

From Ideas to Solutions

An example of solidarity, creativity and hard work



FINAL REPORT
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Testimonials

European Commission

MARIYA GABRIEL

(Commissionaire of Innovation, Research, Culture, Education and Youth at the European Commission)

History has taught us change happens when people come together to achieve extraordinary things! Yes, we have this moment! Today I would like to say we are part of something much bigger than ourselves. I think that we all form a community of knowledge. Without borders, moved by solidarity and compassion, unity of people who have come together for a common response to a shared challenge. Today, we are sending out a strong message to the world, united with all those affected by the pandemic.

Solidarity, creativity, determination - the spirit with which our European project was built. The invisible force that binds us all together. Europe has emerged stronger, and my commitment to you is to help bring your ideas to life.

JEAN-ERIC PAQUET

(Director-General of Research and Innovation of the European Commission)

This has been quite an amazing experience. Out of this COVID-19 crisis, there really is a lot of innovation happening in Europe!

I am really deeply impressed by this mobilization across Europe, and I would like particularly if you allow me to thank all the volunteers, which have allowed this to happen because this is an amazing organizational effort. We do not see it at all when we are looking behind the screen. This has been a major effort to really put it up, and now bring this matchmaking together.

JEAN-DAVID MALO

(Director, European Innovation Council)

EUvsVirus was a spectacular demonstration of the mobilisation and solidarity of innovators to find concrete short-term solutions in the fight against the COVID crisis. The 120 winning teams will now benefit of all the necessary support by acceding free of charge to the Business Acceleration Services of the European Innovation Council. With this exercise we are demonstrating to the world how agile, responsive, committed and in the solidarity between them and the rest of the world, the EU people are.

ISIDRO LASO BALLESTEROS

(Deputy Head of Innovation Ecosystems – EIC, #EUvsVirus EU Coordinator)

EUvsVirus mission is entering a new phase. Today is the end of a phase and kick off of a joint endeavour: a community driven by the volunteers. After two months of hard work, all 122 winning teams have got at least 12 partnerships with partners from different sectors (Private, Public, Academia). I want to finish with a big thanks. Your passion and creativity will help to save lives in our joint effort against the worst tragedy of our generation: coronavirus. We can defeat it together with solidarity, creativity and hard work!!

Member States

(No alphabetical order. Order of appearance in the video at the Hackathon)

Ireland

(John Halligan, Minister)

It is not enough for every country to work alone. In times like these we must transcend borders and, above all, share knowledge, resources and solidarity. There is a saying we have here in Ireland that I feel we must all live by during this crisis: "there is no strength without unity."

Lithuania

(Lukas Savickas, First deputy chancellor)

After joining our forces, we will beat the virus. Even more, our response should guide us for a safer, smarter and innovation future.

Malta

(Clayton Bartolo, Junior Minister)

Research helps us to work and collaborate altogether. By pooling our resources, by leveraging our common resources, we can certainly achieve a lot, way more than we dare to imagine. By standing united, we can do it! So, let's make a success of this EU Hackathon.

The Netherlands

(Mona Keijzer, State Secretary for Economic Affairs and Climate)

The Coronavirus has created lots of sadness, but it also brings us together and makes us more creative. I know we can do it, if we combine our forces.

Spain

(Pedro Duque, Minister for Science and Innovation)

The solutions that emerge from this event will be of great benefits for European citizens and for the world at large.

Austria

(Mararete Schramboeck, Austrian Federal Minister for Digital and Economic Affairs)

Difficult times need new solutions. The collective power we have in Europe is essential.

Croatia

(Blazenka Divjak, Minister of Science and Education)

It is a genuine example of an initiative that leads people to look for solutions to challenges and to work towards better conditions to contribute to the wellbeing of citizens. Research and innovation are called to play an important role on surmounting this crisis.

Cyprus

(Kyriakos Kokkinos, Deputy Minister of Research, Innovation and Digital Policy)

We are definitely stronger together and research and innovation is the key in developing applicable solutions to overcome the crisis.

Portugal

(Manuel Heitor, Minister of Science, Technology and Higher Education)

The science is the battleground and to win this battle we need more knowledge and only to be addressed with the power of youth, creativity and imagination towards a global problem with new solutions to address global issues and we do believe in European youth to address it in a very string and pragmatic way.

Romania

(Dragos Ciuparu, Ministry of Education and Research)

This isn't only about solidarity, it is about people to whom you have, to your neighbors, or people you have never met. They all need your help and I trust you can do it.

Switzerland

(Martina Hirayama, State secretary for Education, Research and Innovation)

This isn't only about solidarity, it is about people to whom you have smiled in the morning, your neighbors, or people you have never met. They all need your help and I trust you can do it.

Belgium

(Barbara Trachte, State Secretary)

We are all impacted by the crisis, which is of an unprecedented magnitude. But it is up to us to be part of the solution. For three days, citizens, startups, research centres and many more, put their creativity and enthusiasm at the service of solidarity and the fight against the virus by participating in the first ever pan-European Hackathon. With EUvsVirus, the Matchathon that followed, and the wonderful dynamic that has been created, we are starting to shape the post-Covid era together. I wish for this new era to be as full of solidarity as shown during the EUvsVirus adventure, as green as needed, and as innovative as possible. Thank you all for being part of this journey, which is so meaningful!

Czech Republic

(Patrick Reichl, CEO of Czechinvest):

This time is difficult for all of us, but at the same time it is full of hope and opportunities. We can do something new and move towards a sustainable life and to arrange human needs with opportunities our planet provides us.

Greece

(Christos Dimas, Deputy Minister of Research and Technology)

EUvsVirus challenge is an excellent initiative led by European Innovation Council, European Commission, and the member states seeking to connect civil society, innovators, partners, and investors.



Slovakia

(Ludovit Paulis, State Secretary of the Ministry of Education, Science, Research and Sport of the Slovak Republic)

The current COVID-19 pandemic is one of the biggest challenges of this time! Now is the right time to support ideas that connect solutions to help doctors, entrepreneurs, employees and teachers or anyone who may be affected by this crisis.

Slovenia

(Jure Gasparic, State Secretary Ministry of Education, Science and Sport)

EUvsVirus Hackathon undoubtedly presents such a community and an approach that can generate large number of innovative ideas in fields ranging from health and life, social and political cohesion, new ways of working and learning from remote locations.

Romania

(Emil Broc, Former Prime Minister, Mayor of Cluj-Napoca)

This project is a concrete proof that our local administrations from all over Europe are working together with European institutions in order to find the best solutions against corona virus.

Volunteers

Michael Ionita (Co-coordinator)

The EUvsVirus Hackathon & Matchathon proved once more how great Europe can be when we work together towards a common goal. The success of our Startups reflects our dedication towards our future. Thus we must strengthen our Startups and ecosystem. Love the spirit and hope the energy will resonate for decades to come. Better Together!

Elena Poughia (Head of Operations Team)

Its extraordinary how in times of crisis, people are coming together & forming communities. We managed to organize two huge events with more than 400 volunteers in less than 2 months and activated and created an ecosystem of more than 21,000 innovators, creators, front-line workers and operators fighting against covid-19. For the mission-driven generation, no mission is impossible. The EUvsVirus has transformed into a Pan-European movement of Founders & problem solvers who help each other and want to make an impact and am looking forward to what we will manage to accomplish next.

Nikolaos Stergiannis (Head of Account Managers & Specialist Support EUvsVIRUS)

I am thrilled by the opportunity I had to contribute as Head of Account Managers and specialist support to this enormous effort of the EUvsVirus Hackathon and Matchathon. I am proud of being part of such a motivated and committed group of people, coming from different backgrounds and different continents but united under the same cause. Our objective was to act as an impact multiplier, ensuring in parallel equal and fair treatment to all projects. What we have accomplished in Matchathon, was a micro innovation eco-system where different parties from private, public, academia and research sectors came together under one mission - to bring innovative solutions to those who need them the most and save lives. If I had to sum up my experience in one word it would be gratefulness! I am grateful that I have been given the chance to meet all these wonderful and extraordinary personalities who did their best daily and showed the best face of humanity in very difficult times of global insecurity caused by deep economic, social, climate and now health crisis. Our community, on top of all these challenges have to urgently deal with covid19, because this virus hits the most vulnerable the hardest. As it continues to devastate lives and livelihoods around the globe, we should remain strong. EUvsVIRUS proved that we are stronger together and this should be the final outcome lesson to all of us, solidarity. I am so happy that I added a small brick to all these efforts for a better future. I hope that this is just the begging of other similar future initiatives. We proved that with tremendous motivation and a sense of mission, everything is possible. And this was exactly the core of this Matchathon!

Renata Petrevska Nechkoska (Project Manager for Academia and R&D Partners)

A journey of 'amazing' has been what emerged from the EUvsVirus hack/matchathon. We were a self-motivated virtual team from all across the globe within a unique endeavor of Europe fighting the pandemic and initiating positive change with global effort of volunteers and partners. We delivered all our capabilities from professional and private life - because we were given the chance to do so. As an off-the-stage project manager of an amazing academia team we facilitated multi-creation bottom-up, top-down and lateral - within the matchathon teams, but also with projects as well as remarkable academia partners. My personal quest of deploying tactical management in complexity resulted with team's stellar performance, shedding the light to academia as relevant and proactive contributor to both practice and science. Partners offering to help, projects willing to engage, matchmakers eager to find the good enough fit. We have witnessed and helped



create a true engine of collaboration with functional bridges among academia, business and institutions - generating innovation. At the edge of chaos is where magic happens - and this endeavor was truly disruptive as magic. Our mutual statement: let this be just the beginning of a new normal where we know and do better, individually and collectively.

Urška Jež
(Founder & Provocateur-in-Chief, Transformation Lighthouse)

Volunteering at the EUvsVirus first ever Hackathon, later Matchathon was probably one of the most valuable experiences in my personal and business regard. Taking part of an organising team full of remarkable, intelligent, marvelous individuals all driven by the same common mission to help and cocreate a better society in this most challenging of times. The energy, the drive and passion behind it was all fueled by this very simple idea, to help build innovative solutions for a better tomorrow. And so, it was we all came together, and bridged academia, private partners, startups and individuals all united in the common goal. This is what we mean when we are “preaching” in our company: “building the engine of innovation”. We all came from different backgrounds and different countries, but we didn’t care about anything else, just to help realise the vision of the project. We laughed, we panicked, we solved issues that arose, all together. The amount of selfless work that went into this project cannot be underestimated. And as we said already after the EUvsVirus Hackathon and is it now even more apparent than ever: This is just a beginning of an amazing journey for all of us.

Winning Projects

SoloCoin

(Arbob Mehmood)

The Matchathon was an amazing experience for us at SoloCoin. Being an early-stage startup, participating in such a big event organized by Europe's largest organization has helped us to meet people, create collaboration and partnership opportunities with amazing people in just three days which might have taken a year to accomplish. We're very thankful to EUvsVirus team and the European Commission to enable us to showcase our project at such a global level. I am sure it'll help us achieve our vision at a much faster rate and help make the world a better place.

Community Heroes

(Maïke Gericke)

The EUvsVirus hackathon and matchathon has helped us to join incubators and identify pilot locations in just 6 weeks. We are immensely grateful for the wonderful support system that the European Commission and all volunteers have been building in such a short time.

halloSophia

(Markus Waghubinger)

EUvsVirus is a big success of Pan-European Collaboration and shows the strength of a united continent. EU Institutions, National Institutions and People united in the Mission to improve quality of life of 450 Million citizens and more in challenging times, with supporting the 120 Ideas to come to Reality.

International contacts are so important to reach more people, that was really a great success of the Matchathon. We basically found everything we needed: ambassadors for "#strongertogether with joint expertise for Entrepreneurs" all over the world, data protection advice, software testing, business advisory firms, business angel networks with introductions to impact investors...couldn't expect more in such a short time.

HOW TO CHANGE THE WORLD

(Karin Pointner)

Being part of the Matchathon was a fantastic opportunity to meet enthusiastic partners who believed in our mission. We made valuable connections for collaborations which will help us empower thousands of young Europeans. We are grateful to everyone at EUvsVirus and the European Commission for making this possible. A massive thank you from the How to Change the World-team.

COMMUNITY HEROES

(Diana Huchon Colunga)

Thanks to the contest, I could join an incredible team (Community Heroes) who was very open to include my thoughts and give a look to different scenarios. I was glad to notice that for them and our partners, the purpose of using technology wasn't seen as an end in itself, as a replacement of physical proximity but a mean to keep people close to each other and therefore, an option to encourage solidarity, respecting and helping as well, those who don't want or can't rely on digital solutions.

Being part of this adventure not only gave me the opportunity to look for new means of cooperation between Europe and Latin America, but also helped me to center my efforts in a meaningful project, when the distance with my beloved ones was more difficult to handle. So thank you again for this initiative!



**BorderX.eu
(Yuree Hong)**

The level of scale and support from the EUvsVirus hackathon amazed me. The matchathon is the first of its kind I've ever seen in the startup industry. We made connections with key stakeholders, incubators, and advisors in the EU relevant to our BorderX business model. We are grateful for the invaluable experience that the EUvsVirus team and European Commission offered to us.

Executive Summary

#EuvsVirus Hackathon and Matchathon

#EUvsVirus is the most efficient mission-driven initiative ever created to fight against an unexpected world-changing challenge: coronavirus. It is a new way of working between public administrations (European Commission and 27 Member States), purpose-driven innovators, entrepreneurs and the civil society actors based on the principles of solidarity, decentralised collaboration and full empowerment. #EuvsVirus has functioned as a lean startup: a mission-driven team of 600 volunteers and Commission officers from seven departments of the Commission and lead by the European Innovation Council; it has taken risks and worked under uncertainty; it has pivoted several times to adapt to changing situations; it has used the latest technologies to be able to scale-up with limited resources; and it has empowered the members of the teams encouraging self-management, uncertainty and empowerment.

#EuvsVirus created 2,164 multi-disciplinary, multi-nationality teams with innovative solutions throughout April, then sparked the development of 2,235 new cross-European partnerships by matching the best 120 teams with 458 supportive partners from the public and private sectors throughout May. The former were the results of the world record Hackathon with more than 21 thousand participants in 3,500 teams. The latter were the results of the Matchathon that became the biggest matchmaking exercise ever organised in the world with 1,500 curated meetings to generate 2,235 new partnerships.

Besides, #EuvsVirus has triggered the emergence of a new pan-European community of purpose-driven innovators, entrepreneurs and members of the civil society. This new #EuvsVirus community is the foundations of a future European innovation ecosystem ready to solve societal problems by using the power of innovation and technology.

Furthermore, #EuvsVirus kick-started a truly European sentiment based on the values of EU solidarity, creativity and hard work. #EUvsVirus has demonstrated that it is possible to do EU policy making outside the traditional policy making fora. It has allowed all Europeans to contribute to the solutions to the worst tragedy of our generation. It did not matter if they were living in rural areas, remote islands or in under-developed regions. It also reduced borders as there were more than 40 nationalities involved in this global endeavor.

This is the beginning of a bright journey where the new #EuvsVirus community will pave the way to finding and supporting innovative solutions to the problems of our time. The European Commission will be fully involved in this community through the newly created European Innovation Council Covid Platform. Together we will continue saving lives, saving jobs and helping elderly people and other groups at risk.

This report is our legacy to the future. It includes testimonials of some of the people who helped to make this dream turned true. The report also provides information about the 120 teams (out of the 2,164 innovative solutions) that won the #EuvsVirus online Hackathon. Moreover, the report lists all the 2,235 new sparked partnerships between the winning teams and 458 public and private partners (corporates, academia, local authorities). All of them joined forces, supported by the 600 volunteers and the European Commission, to fight the virus and make Europe a better post-Covid world!

We wish you and your family stay safe and healthy!!

Challenge Domains addressed by the 120 winning teams

1. Health & Life

- a. Protective equipment
- b. Ventilators/respirators
- c. Protection of medical personnel
- d. Real time communication & prevention
- e. Cheap rapid tests
- f. Lack of skilled caregivers
- g. Research
- h. Other

2. Business Continuity

- a. Efficient teamwork
- b. New and resilient business models
- c. Value chains & logistics
- d. Protecting employees
- e. Demonstrate purpose
- f. Stay close to your customers
- g. Other

3. Social & Political Cohesion

- a. Protection of isolated & risk groups
- b. Mitigating fake news spreading
- c. Support arts & entertainment
- d. Fight against crime
- e. Protection of citizens & democracy
- f. Developing people-driven economies
- g. Other

4. Remote Working & Education

- a. Primary and secondary school specific challenges
- b. University specific challenges
- c. Student's challenges
- d. Family life during remote working & education
- e. E-learning methods & tools
- f. Other

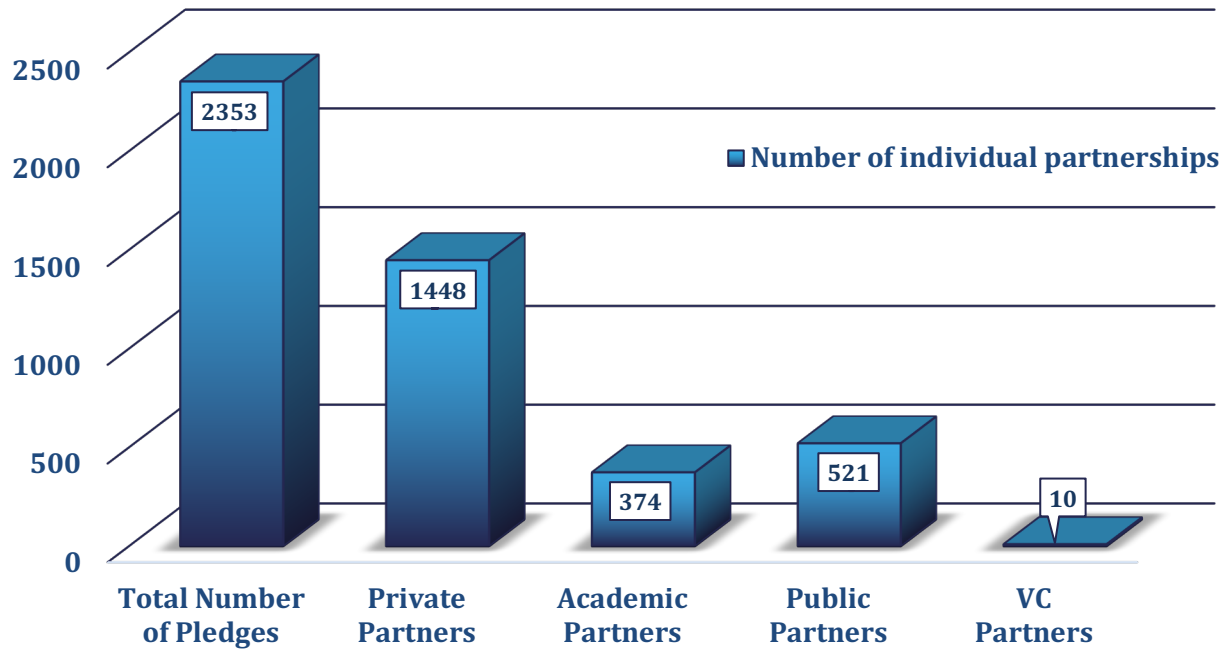
5. Digital Finance

- a. Support identification of financial shortfalls
- b. Speed-up access to financial support
- c. Speed-up distribution of financial support
- d. Availability of emergency health insurance
- e. Enable crowd to help financially
- f. Support for digitally excluded
- g. Other

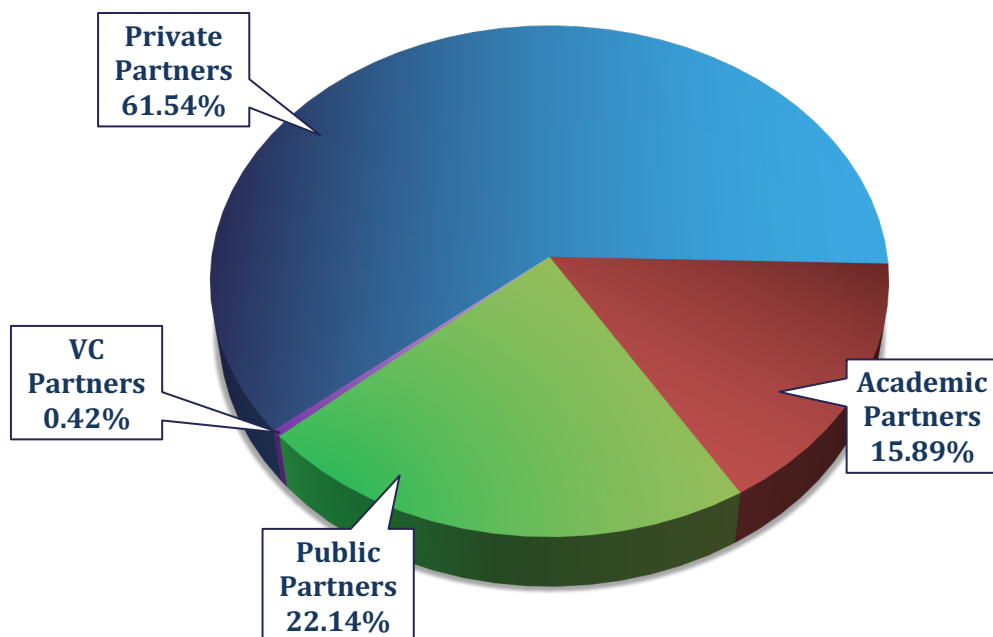
6. Other

Matchathon results

Individual pledges with partners
from different sectors



Partnerships from different sectors



Hackathon - List of winning projects #Euvsvirus

#helpregistry	#WeStudyTogether
Balancever, your balanced daily routine	A Peer to Peer solution for health insurance
AI-London	AID IT TO - We turn good intentions into valuable giving
Aidbind	aiLearning
Art Hub	arts4refugees
Autonomous Drone Disinfection for Covid-19 in Smart Cities	Bankera Business Care
Birdbox	BorderX.eu
Break Even	BrightAct
Yellow Canary	Cards of Kindness, by Each&Other
ChildGrowthMonitor	Ciclogreen
Co-lectif	Community Heroes
Corazones against Covid19: fintech to multiply impact money	CoroVent
Covid Genomics	COVID-19 Forecasting
COVID-HEAL	Covid19-Alert
CoviFight	Crithink App
Datafolio	Dattum
DCbrain	Deeprojects UG
Disposable digital wallets - PointCheckout	Donescu
Dono.eu	Dynamic - DYNAMIC row for Coronavirus emergency
EffiScienc-y	enforce
Exponential Technologies Ltd	FakeMash
Fresh Air	FutureUp Lab
Green Lockdown- GOME	GreenBytes
GuideYourGuide: Cultural experiences for everyone, everywhere	halloSophia - fast lane to sophisticated advice
HoloCare	How to Change the World
Hypanel	IFFA (Integrated Fast Financial Aid)
Ikune Labs	Immunisation Pass
impactMarket - Open CrowdFinance for Impact	It!
itda: Local community platform	Jobiri
Jop	Linistry for safe retail
Lockdown Exams	LOEWI GmbH
Lunsj	M I Broke - Financial Status Analysis
MAGGY	MassVentilatorSystem with individual ventilation parameters
Matika.in - Learning through Playing	MeMentoring
Mentor.me	My Slots
MyBubble	MyRobotics
NoCrowd - The official app of Social Distancing	Occupation-Shifter (by Skilllab)
OpenGate	Ownemployed
Performance Tracking and Recommendation Tool	Platex - Reusable Face Masks
POCOVIDSCREEN	PolyVent - the global ventilator design formula
Prevention of Domestic Violence: YANA.help	Project Lockdown
PVT-COVID	Qesadila
Qpon	RefresherBoxx
REhaBUILD	RMLC Visor
Robin	Safe Access
Safelines	SARS-CoV-2 breathalyzer
SciFunmily	SensWear
Serratus	SERS substrates for virus detection in exhaled droplets
Sewers4COVID	Signet.app - Online trust re-imagined
Skyrocket Your Team	Smart Finance Beyond Banking - SFB2
Smart Screening Tool	SmartCoach4Resilience
Smartphones4good - S4G	SoloCoin
sostenibl.es	sprovid
Targomo	Teachers Lead Tech
Team Discover	TechForAll
The COVID Climate Toolbox	The Human Project
The Keexle Open Source Project	The Village - Where The World Is Your Classroom
Transparency - (REMOVED) <i>The team is not the one who submitted the solution in the first place.</i>	TRUST IN SCIENCE
tutify.org	UgoRound Community Alert Solution
UNITE Public Procurement Platform	VideoWiki
ViraTrace	We stay liquid



Matchathon - List of Partnerships

The tables below present all 2235 new partnerships between the 120 projects and public and private partnerships.

Ten VC firms are preparing investments in 10 of the projects, but the names cannot be disclosed. Adobe is supporting 13 projects, but names cannot be disclosed. 'All Probono' supports 24 projects from Health & Life Challenge Domain.

The following partners have provided support to all 120 projects:

European Innovation Council - EIC
AWS - Amazon
Deutsche Telekom
Google
KPMG
Manual.to
Moosedog Oy
YELLA GLOBAL
TÜBİTAK (The Scientific and Technological Research Council of Turkey)
HERE Technologies
Bridge for Billions
Tech Tree Root
JOGL

LIST WITH ALL PARTNERSHIPS PER PROJECT.

(it includes the 3 winners of the Deep Hack organized by EIT Digital KIC).

Disclaimer

This report is provided for information only. The information contained herein has been self-declared by the account managers and the matchmakers in the Matchmaking platform, is subject to change and does not commit the European Commission.

Project name	Partner name
#WeStudyTogether	WISE Advisors & New York University , USA
#WeStudyTogether	Department of Management of the University of Torino, Italy
#WeStudyTogether	Ege University EBILTEM Technology Transfer Office, Turkey
#WeStudyTogether	Hellenic Mediterranean University - IRO, Greece
#WeStudyTogether	Marbella University, Spain
#WeStudyTogether	Metinvest Holding Corporate Polytechnic University, Ukraine
#WeStudyTogether	Politecnico do Porto, Portugal
#WeStudyTogether	Web2Learn
A Peer to Peer solution for health insurance	Metinvest Holding Corporate Polytechnic University, Ukraine
A Peer to Peer solution for health insurance	Daostack
A Peer to Peer solution for health insurance	Mayor of Ogliastro Cilento
A Peer to Peer solution for health insurance	University of West Chester
A Peer to Peer solution for health insurance	Mr. Papini, representing both La Compagnia della Birra - DYNAMEET S.R.L., and Esperis S.R.L.
AID IT TO - We turn good intentions into valuable giving	Sabancı University, Turkey
AID IT TO - We turn good intentions into valuable giving	Sustainable Credit Solutions - Banking innovation centre, Frankfurt, Germany
AID IT TO - We turn good intentions into valuable giving	Metinvest Holding Corporate Polytechnic University, Ukraine
AID IT TO - We turn good intentions into valuable giving	46elks AB
AID IT TO - We turn good intentions into valuable giving	City of Cluj-Napoca
AID IT TO - We turn good intentions into valuable giving	Transformation Lighthouse - Business-Academia Relations Ajdovščina, Slovenia

AID IT TO - We turn good intentions into valuable giving	Borislav K
AID IT TO - We turn good intentions into valuable giving	Copenhagen Capacity
Aidbind	ABN AMRO & Dell Technologies
Aidbind	Advokatfirman Lextech AB
Aidbind	Honeycomb software
Aidbind	Malta Enterprise
aiLearning	WISE Advisors & New York University , USA
aiLearning	University of Messina, Italy
aiLearning	La Salle Technova Barcelona, Spain
aiLearning	Marbella University, Spain
aiLearning	University of Turin, Italy
aiLearning	Intesa Sanpaolo
aiLearning	MATCH 4.0 - DIH Abruzzo
aiLearning	Mainstage Incubator
aiLearning	Università degli Studi di Macerata
aiLearning	Claudia Boraccini
aiLearning	Tuscany Region, Italy
aiLearning	Puglia Region, Italy
aiLearning	El observatorio del trabajo, Buenos Aires, Argentina
aiLearning	Burgas University, Bulgaria
aiLearning	CEO Merantix Labs
aiLearning	Natalya Spuling
aiLearning	4TourEU
aiLearning	Audra Elena Shallal
Art Hub	University for the Creative Arts, United Kingdom
Art Hub	University College Dublin, Ireland
Art Hub	STARTS Initiative
Art Hub	WigiLabs
Art Hub	Interarts
Art Hub	Intesa Sanpaolo
Art Hub	City of Torino
Art Hub	Swiss Organization
arts4refugees	University for the Creative Arts, United Kingdom
arts4refugees	STARTS Initiative

Autonomous Drone Disinfection for Covid-19 in Smart Cities	Metinvest Holding Corporate Polytechnic University, Ukraine
Balancever	Fundação Ensino e Cultura Fernando Pessoa, Portugal
Balancever	CEU InnovationsLab, Hungary
Balancever	Savoniaa University of Applied Sciences, Finland
Balancever	Transformation Lighthouse - Business-Academia Relations Ajdovščina, Slovenia
Balancever	PeopleForGrowth
Balancever	PeopleForGrowth
Balancever	Pernica d.o.o.
Balancever	Pigro
Balancever	PwC Luxembourg
Balancever	Swiss Organization
Balancever	CIPFP
Balancever	Transformation Lighthouse d.o.o.
Balancever	Anastasia Sarantidou President of the Steki-Steki Association Owner Manager No 1 Web Radio For Disabled
Balancever	Promalaga
Balancever	Millepiani
Bankera Business Care	Metinvest Holding Corporate Polytechnic University, Ukraine
Bankera Business Care	Pernica d.o.o.
Bankera Business Care	Santander
Bankera Business Care	Intesa Sanpaolo
Bankera Business Care	Agency for Science, Innovation and Technology
Bankera Business Care	Lithuanian Innovation Centre
BorderX.eu	Metinvest Holding Corporate Polytechnic University, Ukraine
BorderX.eu	PeopleForGrowth
BorderX.eu	Pernica d.o.o.
BorderX.eu	PwC Luxembourg
Break Even	PeopleForGrowth
Break Even	Santander
Break Even	Soldoutt
Break Even	Zelos
Break Even	Intesa Sanpaolo

Break Even	Madrid City Council
Break Even	Municipality of Piraeus
Break Even	Ayuntamiento de Logroño
Break Even	ProMalaga
Break Even	Agency for Science, Innovation and Technology (MITA)
Break Even	Skytechtur
Break Even	Antwerp
Break Even	Deputy Ministry of Research, Innovation & Digital Policy
BrightAct	Cordial AB
Ciclogreen	Metinvest Holding Corporate Polytechnic University, Ukraine
Ciclogreen	PACT
Ciclogreen	Telefónica
Ciclogreen	Enagás
Ciclogreen	City of Seville
Ciclogreen	Ayuntamiento Logroño
Co-llectif	Easy Albania
Co-llectif	Agency for Science, Innovation and Technology
Co-llectif	Madrid City Council
Co-llectif	Municipality of Piraeus
Co-llectif	CIDAS Cooperativa Sociale
Co-llectif	City of Logrono
Co-llectif	Catalan Health and Social Care Consortium
Co-llectif	Deputy Ministry of Research, Innovation & Digital Policy
Co-llectif	Cluj-Napoca City Hall
Co-llectif	Fundação Ensino e Cultura Fernando Pessoa
Co-llectif	SIRIUS GLOBAL - Academic Diplomacy 4.0
Community Heroes	WISE Advisors & New York University , USA
Community Heroes	CEU InnovationsLab, Hungary
Community Heroes	Kaunas University of Technology, Lithuania
Community Heroes	Metinvest Holding Corporate Polytechnic University, Ukraine
Community Heroes	Merantix Labs
Community Heroes	PwC Luxembourg
Community Heroes	WigiLabs

Community Heroes	City of Torino
Community Heroes	Madrid City Council
Community Heroes	Municipality of Piraeus
Community Heroes	Trinity College Dublin
Community Heroes	Promalaga
Community Heroes	Fundação Ensino e Cultura Fernando Pessoa
Community Heroes	University of Torino
Community Heroes	Politehnica University Timisoara
Community Heroes	CIDAS Cooperativa Sociale
Community Heroes	Cyprus Ministry of innovation
Community Heroes	Municipality of Santa Fiora
Corazones against Covid19: fintech to multiply impact money	PwC Luxembourg
Corazones against Covid19: fintech to multiply impact money	EY
Corazones against Covid19: fintech to multiply impact money	FabianVDR Advisory
Corazones against Covid19: fintech to multiply impact money	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
Corazones against Covid19: fintech to multiply impact money	Madrid City Council
Corazones against Covid19: fintech to multiply impact money	Malta Enterprise
Corazones against Covid19: fintech to multiply impact money	Region of Central Macedonia
Corazones against Covid19: fintech to multiply impact money	City of Logrono
Corazones against Covid19: fintech to multiply impact money	Ministry of Research, Innovation & Digital Policy, Cyprus
Corazones against Covid19: fintech to multiply impact money	Euler Hermes
Corazones against Covid19: fintech to multiply impact money	Santander Bank
Covid Genomics	University of Applied Sciences BFI, Vienna, Bertalanffy Center for the Study of System Sciences Vienna, Austria
Covid Genomics	ABN AMRO & Dell Technologies
COVID-19 Forecasting	Agency for Science, Innovation and Technology
COVID-19 Forecasting	Lithuanian Innovation Centre

Covid19-Alert	Metinvest Holding Corporate Polytechnic University, Ukraine
CoviFight	Metinvest Holding Corporate Polytechnic University, Ukraine
CoviFight	Tactical Management in Complexity HUB (University St. Kliment Ohridski Bitola North Macedonia and Ghent University Belgium)
CoviFight	Malta Enterprise
CoviFight	Migport & Coronathon Turkey
Crithink App	CEU InnovationsLab, Hungary
Crithink App	Intesa Sanpaolo
Datafolio	Metinvest Holding Corporate Polytechnic University, Ukraine
datafolio	PeopleForGrowth
datafolio	EY
Datafolio	Intesa Sanpaolo
datafolio	Ansacodi
Dattum	WISE Advisors & New York University , USA
Dattum	Blumenfeld & Associates and New York University Business Plan Competition, USA
Dattum	Lucian Blaga University of Sibiu (ULBS)
Dattum	European University Center of Entrepreneurship (EUC-PEAK), Cyprus
Dattum	Metinvest Holding Corporate Polytechnic University, Ukraine
Dattum	Pró-Reitoria DIRI Universidade Fernando Pessoa, Portugal
Dattum	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
Dattum	Region of Central Macedonia
Dattum	Swiss Organization
DCbrain	Metinvest Holding Corporate Polytechnic University, Ukraine
DCbrain	Intesa Sanpaolo
Disposable digital wallets - PointCheckout	Metinvest Holding Corporate Polytechnic University, Ukraine
Donescu	Innovating Society
Donescu	City of Cluj-Napoca
Dono.eu	CEU InnovationsLab, Hungary
Dono.eu	Transformation Lighthouse - Business-Academia Relations Ajdovščina, Slovenia

Dono.eu	All probono
Dono.eu	Typeform
Dono.eu	FabianVDR Advisory
Dono.eu	Innovation lighthouse
Dono.eu	Ciclogreen
Dubio	WISE Advisors & New York University , USA
Dubio	CEU InnovationsLab, Hungary
Dubio	Free University of Bolzano-Bozen, Italy
Dubio	University Institute Lisbon, Portugal
Dubio	PwC Luxembourg
Dubio	WIGILABS
Dubio	Intesa Sanpaolo
Dubio	Vodafone
Dubio	Hamburg University of Applied Sciences
Dubio	Free University of Bozen-Bolzano
Dubio	Trinity College Dublin
Dubio	University of Minnesota
Dynamic - DYNAMIC row for Coronavirus emergency	WISE Advisors & New York University , USA
Dynamic - DYNAMIC row for Coronavirus emergency	Biocat (BioRegion of Catalonia) and Universities & Research, Government of Catalonia , Spain
Dynamic - DYNAMIC row for Coronavirus emergency	Università degli Studi di Messina, Italy
Dynamic - DYNAMIC row for Coronavirus emergency	Universitat Ramon Llull, Barcelona, Spain
Dynamic - DYNAMIC row for Coronavirus emergency	Pigro
Dynamic - DYNAMIC row for Coronavirus emergency	WeWork Labs
Dynamic - DYNAMIC row for Coronavirus emergency	Intesa Sanpaolo
Dynamic - DYNAMIC row for Coronavirus emergency	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
Dynamic - DYNAMIC row for Coronavirus emergency	CITTÀ DI BAGHERIA
Dynamic - DYNAMIC row for Coronavirus emergency	Comune di Arcidosso
Dynamic - DYNAMIC row for Coronavirus emergency	Comune di Santa Fiora

Dynamic - DYNAMIC row for Coronavirus emergency	Region of Central Macedonia
Dynamic - DYNAMIC row for Coronavirus emergency	Department of Biomedicine, Neurosciences and Advanced Diagnostics - University of Palermo -
EffiScienc-y	Migport & Coronathon Turkey
EffiScienc-y	Cienciaviva & FCT
enforce	Ghent University & IMEC, Belgium
enforce	Metinvest Holding Corporate Polytechnic University, Ukraine
enforce	PwC Luxembourg
enforce	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
enforce	Region of Central Macedonia
enforce	Region of Central Macedonia
enforce	Enterprice Europe Network
enforce	Polytechnic University Ukraine
enforce	Ghent University & IMEC Belgium
Exponential Technologies Ltd	Metinvest Holding Corporate Polytechnic University, Ukraine
FutureUp Lab	STARTS Initiative
FutureUp Lab	Stratergix GmbH
FutureUp Lab	Advokatfirman Lextech AB
FutureUp Lab	Canary Islands Special Zone
FutureUp Lab	Innovating Society
Green Lockdown- GOME	Università Cattolica del Sacro Cuore Italy & UniLION network
Green Lockdown- GOME	Zelos
Green Lockdown- GOME	Madrid City Council
Green Lockdown- GOME	Promalaga
Greenbytes	PeopleForGrowth
GreenBytes	Intesa Sanpaolo
GuideYourGuide: Cultural experiences for everyone, everywhere	Interarts
GuideYourGuide: Cultural experiences for everyone, everywhere	Comune di Arcidosso
GuideYourGuide: Cultural experiences for everyone, everywhere	Comune di Santa Fiora

halloSOPHIA	Metinvest Holding Corporate Polytechnic University, Ukraine
halloSOPHIA	pernica d.o.o.
halloSOPHIA	PwC Luxembourg
halloSOPHIA	Skytechtur
halloSOPHIA	FabianVDR Advisory
halloSOPHIA	Law Office Natalya Spuling
halloSOPHIA	Startrampe Linz
halloSOPHIA	eyeson.team
halloSOPHIA	Prof Sorin Gabriel Anton of "Alexandru Ioan Cuza" University of Iasi
halloSOPHIA	Sparkasse Oberösterreich (Part of Erste Group Bank)
halloSOPHIA	Paul Pöltner, Doctoral Candidate Technical University of Vienna, Organic Finance
halloSOPHIA	Paul Pöltner, Founder Crowdfunding Platform Conda
halloSOPHIA	GoFishnet Project
halloSOPHIA	Casamedia
halloSOPHIA	KG Media
halloSOPHIA	startup300
halloSOPHIA	Conda Crowdfunding
halloSOPHIA	Austrian Tax and Audit
halloSOPHIA	LexIT
halloSOPHIA	AustrianStartups
halloSOPHIA	Kider
halloSOPHIA	Compris
halloSOPHIA	Technology Made in Austria (TMIA)
halloSOPHIA	Alois Endl Photographer
halloSOPHIA	coders.bay
halloSOPHIA	<u>Blockpit.io</u>
halloSOPHIA	TEAM MEMBERS Joining after Hackathon Pro Bono (5 deals in one)
halloSOPHIA	Innovationshauptplatz (Innovation Centre) of the City of Linz
halloSOPHIA	Tabakfabrik of Linz
halloSOPHIA	Marko Müürisepp
halloSOPHIA	LeitnerLeitner Tax Audit Advisory
halloSOPHIA	trendingtopics.eu

halloSOPHIA	flyBird & Female.Coders
halloSOPHIA	touchbud
halloSOPHIA	Project: videoWIKI
halloSOPHIA	Federal Ministry for Digital and Economic Affairs Austria
halloSOPHIA	Austrian Chamber of Commerce
halloSOPHIA	Project BroVid: Mohammad Tazim Khan
halloSOPHIA	turnkey.finance
halloSOPHIA	Das Merch
halloSOPHIA	<u>WeMakeChange.org</u>
halloSOPHIA	University of Applied Sciences Upper Austria, Campus Hagenberg
halloSOPHIA	Blitz Scooter
halloSOPHIA	UVK Insurance Broker
halloSOPHIA	Reichl & Partner Public Relations
halloSOPHIA	<u>DoOk.pro</u>
halloSOPHIA	weXplore
halloSOPHIA	Vily Bergen Meditation
HoloCare	pact
HoloCare	Aristotle University of Thessaloniki, Switch Lab
How to Change the World	WISE Advisors & New York University , USA
How to Change the World	Western Balkans Alumni Association
How to Change the World	Burgas Free University, Bulgaria
How to Change the World	Dzemaal Bijedic University of Mostar, Bosnia and Herzegovina, Bosnia and Herzegovina
How to Change the World	Ege University EBILTEM Technology Transfer Office, Turkey
How to Change the World	Ege University EBILTEM Technology Transfer Office, Turkey
How to Change the World	European Regions Research and Innovation Network - ERRIN, Belgium
How to Change the World	Marbella University, Spain
How to Change the World	Metinvest Holding Corporate Polytechnic University, Ukraine
How to Change the World	Tactical Management in Complexity HUB (University St. Kliment Ohridski Bitola North Macedonia and Ghent University Belgium)
How to Change the World	Migport & Coronathon Turkey
How to Change the World	Genius Global

How to Change the World	Knowledge Transfer Network
How to Change the World	CEU InnovationsLab, Hungary
How to Change the World	EIT
How to Change the World	Hellenic Mediterranean University
Hypanel	Santander
Hypanel	Skytechure
Hypanel	Pernica d.o.o
Immunisation Pass	Fraport Greece
Immunisation Pass	Swiss Organization
impactMarket - Open CrowdFinance for Impact	Metinvest Holding Corporate Polytechnic University, Ukraine
impactMarket - Open CrowdFinance for Impact	Cienciaviva & FCT
It!	PeopleForGrowth
It!	Intesa Sanpaolo
itda: Local community platform	Hellenic Mediterranean University - IRO, Greece
itda: Local community platform	Marbella University, Spain
itda: Local community platform	Politecnico do Porto, Portugal
itda: Local community platform	Web2Learn
Jobiri	STARTS Initiative
Jobiri	Metinvest Holding Corporate Polytechnic University, Ukraine
Jobiri	Intesa Sanpaolo
Jobiri	Intesa Sanpaolo
Jop	WISE Advisors & New York University , USA
Jop	STARTS Initiative
Jop	Burgas Free University, Bulgaria
Jop	Ege University EBILTEM Technology Transfer Office, Turkey
Jop	Marbella University, Spain
Jop	Università Cattolica del Sacro Cuore Italy & UniLION network
Jop	pernica d.o.o.
Jop	Huawei
Jop	Malta Enterprise
Jop	Nexttech.lab
Linistry for safe retail	Fraport Greece
Linistry for safe retail	Intesa Sanpaolo

LOEWI GmbH	European University Center of Entrepreneurship (EUC-PEAK), Cyprus
LOEWI GmbH	Marbella University, Spain
LOEWI GmbH	Swiss Organization
Lunsj	Yasar University Minerva Incubation Center / Clipcil, Turkey
Lunsj	Yasar University Minerva Incubation Center / Clipcil, Turkey
Lunsj	Metinvest Holding Corporate Polytechnic University, Ukraine
Lunsj	Santander
Lunsj	ABN AMRO & Dell Technologies
Lunsj	Migport & Coronathon Turkey
M I Broke - Financial Status Analysis	Metinvest Holding Corporate Polytechnic University, Ukraine
Maggy	Metinvest Holding Corporate Polytechnic University, Ukraine
MAGGY	Pact
MAGGY	PwC Luxembourg
MAGGY	BothAnd
MAGGY	P&G
MAGGY	Enagas
MAGGY	BridgeForBillions
MassVentilatorSystem with individual ventilation parameters	CEU InnovationsLab, Hungary
Matika.in - Learning through Playing	STARTS Initiative
Matika.in - Learning through Playing	Comune di Arcidosso
Matika.in - Learning through Playing	Comune di Santa Fiora
Matika.in - Learning through Playing	EU University, Bratislava, Slovakia
Matika.in - Learning through Playing	Faculty of Education Free University of Bozen-Bolzano, Italy
Matika.in - Learning through Playing	Technology Agency of the Czech Republic
Matika.in - Learning through Playing	Ministry of Research, Innovation & Digital Policy, Cyprus
Matika.in - Learning through Playing	OTP Bank, Hungary

MeMentoring	Trinity College Dublin, Ireland
MeMentoring	Burgas Free University, Bulgaria
MeMentoring	Department of Management of the University of Torino, Italy
MeMentoring	PeopleForGrowth
MeMentoring	Pernica d.o.o.
MeMentoring	Typeform
MeMentoring	Zelos
Mentor.me	Advokatfirman Lextech AB
My Slots	University of Messina, Italy
My Slots	STARTS Initiative
My Slots	Marbella University, Spain
My Slots	University of Turin, Italy
My Slots	L Marks
My Slots	Aristotle University of Thessaloniki, Switch Lab
MyBubble	Roche
MyBubble	AB InBev
MyBubble	EY
MyBubble	Madrid City Council
MyBubble	Creative Destruction Lab
MyBubble	Banco Santander
MyBubble	Techtreeroot
MyBubble	Allprobono
MyBubble	We Make Change
MyBubble	CEU InnovationsLab, Hungary
MyBubble	Jonathan Ivan Ramirez
MyRobotics	Pró-Reitoria DIRI Universidade Fernando Pessoa, Portugal
MyRobotics	Pernica d.o.o.
MyRobotics	Roche
MyRobotics	DG SANTE
NoCrowd - The official app of Social Distancing	OTP Bank
NoCrowd - The official app of Social Distancing	EIT
NoCrowd - The official app of Social Distancing	CEU InnovationsLab, Hungary

NoCrowd - The official app of Social Distancing	Design Terminal
Occupation-Shifter (by Skilllab)	Metinvest Holding Corporate Polytechnic University, Ukraine
Occupation-Shifter (by Skilllab)	OTP Bank
Occupation-Shifter (by Skilllab)	PwC Luxembourg
Occupation-Shifter (by Skilllab)	Skytechure
Occupation-Shifter (by Skilllab)	Cyprus Deputy Ministry of Research, Innovation & Digital Policy
Occupation-Shifter (by Skilllab)	Madrid City Council
Occupation-Shifter (by Skilllab)	Malta Enterprise
Occupation-Shifter (by Skilllab)	Migport & Coronathon Turkey
Occupation-Shifter (by Skilllab)	Municipality of Piraeus
Occupation-Shifter (by Skilllab)	Swiss Organization
Occupation-Shifter (by Skilllab)	Ayuntamiento de Logroño
Occupation-Shifter (by Skilllab)	Promalaga
Occupation-Shifter (by Skilllab)	CIDAS Cooperativa Sociale
Occupation-Shifter (by Skilllab)	UNIVERSITY OF TURIN - DEPARTMENT OF MANAGEMENT
Occupation-Shifter (by Skilllab)	NYU STERN BERKLEY INNOVATION LAB
Occupation-Shifter (by Skilllab)	SIRIUS GLOBAL - Academic Diplomacy 4.0
Occupation-Shifter (by Skilllab)	City of Antwerp
Occupation-Shifter (by Skilllab)	Fundação Ensino e Cultura Fernando Pessoa
Occupation-Shifter (by Skilllab)	EasyAlbania
Occupation-Shifter (by Skilllab)	El Observatoria del trabajo
OpenGate	Fraport Greece
OpenGate	MasterCard
OpenGate	SAS
OpenGate	Sudanese Government
Ownemployed	Transformation Lighthouse - Business-Academia Relations Ajdovščina, Slovenia
Ownemployed	PACT
Ownemployed	Pernica d.o.o.
Ownemployed	Sapien Innovation
Ownemployed	LexitLaw
Ownemployed	Mainstage Incubator
Ownemployed	University of Thessaloniki
Ownemployed	University of Messina

Ownemployed	Ramon Llull University
Platex - Reusable Face Masks	Malta Enterprise
Platex - Reusable Face Masks	stekiradio
POCOVIDSCREEN- AI to detect COVID-19 with POCUS ultrasounds	STARTS Initiative
POCOVIDSCREEN- AI to detect COVID-19 with POCUS ultrasounds	Swiss Organization
PolyVent - the global ventilator design formula	Inter University Centre for Astronomy and Astrophysics, Pune or IUCAA, Pune
PolyVent - the global ventilator design formula	Cardiff University, Department of Civil Engineering, School of Engineering, United Kingdom
PolyVent - the global ventilator design formula	CEU InnovationsLab, Hungary
PolyVent - the global ventilator design formula	Mechanical Engineering Faculty in Slavonski Brod , Croatia
PolyVent - the global ventilator design formula	Polytechnic of Međimurje in Čakovec - Applied Automation - Industrial Diagnostic Laboratory, Croatia
PolyVent - the global ventilator design formula	SabaLAB - Laboratory for Digital Arts and Sciences , Croatia
PolyVent - the global ventilator design formula	Technology Transfer Office, Aristotle University of Thessaloniki, Greece
PolyVent - the global ventilator design formula	Engineers Without Borders - NL
PolyVent - the global ventilator design formula	GFOSS - Open Technologies Alliance
PolyVent - the global ventilator design formula	Fonly LLC (Lee Felsenstein), Silicone Valley
PolyVent - the global ventilator design formula	Aliform UG (haftungsbeschränkt), Germany
PolyVent - the global ventilator design formula	Virage Laboratories Inc. , Canada
PolyVent - the global ventilator design formula	Varad Enterprises, India
PolyVent - the global ventilator design formula	Cosylab/arrowfast
PolyVent - the global ventilator design formula	SIRIUS Global (Rome)
PolyVent - the global ventilator design formula	Doctors Without Borders
PraxisConcierge - HomeNurse	University of Bari Aldo Moro, Italy

PraxisConcierge - HomeNurse	Fundação Ensino e Cultura Fernando Pessoa, Portugal
PraxisConcierge - HomeNurse	Metinvest Holding Corporate Polytechnic University, Ukraine
PraxisConcierge - HomeNurse	pact
PraxisConcierge - HomeNurse	Pact
PraxisConcierge - HomeNurse	PwC Luxembourg
PraxisConcierge - HomeNurse	Succeed
PraxisConcierge - HomeNurse	CIDAS Cooperativa Sociale a R.L.
PraxisConcierge - HomeNurse	Abn Amro & Dell Technologies
PraxisConcierge - HomeNurse	Ayuntamiento de Logroño
PraxisConcierge - HomeNurse	Biocat
PraxisConcierge - HomeNurse	Alejandro Cadenas
PraxisConcierge - HomeNurse	Audra Elena Shallal
PraxisConcierge - HomeNurse	Natalya Spuling
PraxisConcierge - HomeNurse	iCure Cloud
Prevention of Domestic Violence: YANA.help	University of Catania, Italy
Prevention of Domestic Violence: YANA.help	Pró-Reitoria DIRI Universidade Fernando Pessoa, Portugal
Prevention of Domestic Violence: YANA.help	Typeform
Prevention of Domestic Violence: YANA.help	Zelos
Prevention of Domestic Violence: YANA.help	BrightAct
Prevention of Domestic Violence: YANA.help	Aristotle University of Thessaloniki, Switch Lab
Prevention of Domestic Violence: YANA.help	Sabancı University (SU Gender)
Project Lockdown	Dzermal Bijedic University of Mostar, Bosnia and Herzegovina, Bosnia and Herzegovina
Project Lockdown	Techlaim
Project Lockdown	Advokatfirman Lextech AB
Project Lockdown	Madrid City Council
Project Lockdown	Migport & Coronathon Turkey
Project Lockdown	Dimitri Zaitsev
Project Lockdown	Ioannis Stamelos
Project Lockdown	Emma Pivetta

Project Lockdown	Alexander Sverdlov
Project Lockdown	Jaume Cunill
Project Lockdown	EU iLab is Central European University'
Project Lockdown	Agency for Science, Innovation and Technology (MITA)
Project Lockdown	Ilka Neugebauer
Project Lockdown	The University of Jyväskylä
Project Lockdown	Pernica d.o.o
Project Lockdown	Takai
Project Lockdown	Ayuntamiento de Logroño
Project Lockdown	New York University (Stern School of Business)
Project Lockdown	TechTreeRoot
Project Lockdown	CEF Digital
PVT-COVID	WISE Advisors & New York University , USA
PVT-COVID	Marbella University, Spain
PVT-COVID	Universita Cattolica del Sacro Cuore, Italy
PVT-COVID	Techclaim
PVT-COVID	City of Seville
PVT-COVID	Agency for Science, Innovation and Technology
PVT-COVID	Madrid City Council
PVT-COVID	Novartis Farma (BioUpper Innovation Platform)
PVT-COVID	Loop Diagnostics
PVT-COVID	Biocat
PVT-COVID	EBAN (European Business Angel Network)
Qesadila	Dzemat Bijedic University of Mostar, Bosnia and Herzegovina, Bosnia and Herzegovina
Qesadila	Dzemat Bijedic University of Mostar, Bosnia and Herzegovina, Bosnia and Herzegovina
Qesadila	Dzemat Bijedic University of Mostar, Bosnia and Herzegovina, Bosnia and Herzegovina
Qesadila	RECETOX, Masaryk University, Czech Republic
Qesadila	University of Economics in Bratislava, Slovakia
Qesadila	University of Tartu, Estonia
Qesadila	University of Tartu, Estonia
RefresherBoxx	Intesa Sanpaolo
REhaBUILD	Metinvest Holding Corporate Polytechnic University, Ukraine

RMLC Visor	Ege University EBILTEM Technology Transfer Office, Turkey
RMLC Visor	Mechanical Engineering Faculty in Slavonski Brod , Croatia
RMLC Visor	Polytechnic of Međimurje in Čakovec - Applied Automation - Industrial Diagnostic Laboratory, Croatia
RMLC Visor	SabaLAB - Laboratory for Digital Arts and Sciences , Croatia
Robin	Blumenfeld & Associates and New York University Business Plan Competition, USA
Robin	Blumenfeld & Associates and New York University Business Plan Competition, USA
Robin	PwC Luxembourg
Robin	ABN AMRO & Dell Technologies
Robin	Comune di Santa Fiora
Robin	Municipality of Piraeus
Robin	City of Madrid
Robin	City of Malaga
Robin	City of Logrono
Safe Access	Metinvest Holding Corporate Polytechnic University, Ukraine
Safe Access	BothAnd
Safelines	Intesa Sanpaolo
SARS-CoV-2 breathalyzer	Blumenfeld & Associates and New York University Business Plan Competition, USA
SARS-CoV-2 breathalyzer	Ege University EBILTEM Technology Transfer Office, Turkey
SARS-CoV-2 breathalyzer	Sustainable Credit Solutions - Banking innovation centre, Frankfurt, Germany
SARS-CoV-2 breathalyzer	Mechanical Engineering Faculty in Slavonski Brod , Croatia
SARS-CoV-2 breathalyzer	Polytechnic of Međimurje in Čakovec - Applied Automation - Industrial Diagnostic Laboratory, Croatia
SARS-CoV-2 breathalyzer	SabaLAB - Laboratory for Digital Arts and Sciences , Croatia
SARS-CoV-2 breathalyzer	FEMTO-ST, University of Franche Comté, France
SARS-CoV-2 breathalyzer	MiCRA, Technical University Dublin
SARS-CoV-2 breathalyzer	COBRA lab, University of Rouen, France
SciFunmily	STARTS Initiative

SciFunmily	SINGULARITY SMART SOLUTIONS
SciFunmily	Ciência Viva
SciFunmily	Parque de las Ciencias
SciFunmily	Modern Education & Research Institute
SciFunmily	Cienciaviva & FCT
SensWear	Ege University EBILTEM Technology Transfer Office, Turkey
SensWear	Aristotle University of Thessaloniki - Software & interactive technologies lab, Greece
SensWear	OTP
SERS substrates for virus detection in exhaled droplets	Nova Res s.r.l.
SERS substrates for virus detection in exhaled droplets	Succeed
SERS substrates for virus detection in exhaled droplets	4a technology GmbH
SERS substrates for virus detection in exhaled droplets	Compris Technologies AG
SERS substrates for virus detection in exhaled droplets	Cosylab Switzerland GmbH
SERS substrates for virus detection in exhaled droplets	AB InBev
SERS substrates for virus detection in exhaled droplets	F. Hoffmann-La Roche Ltd
SERS substrates for virus detection in exhaled droplets	ABN AMRO & Dell Technologies
SERS substrates for virus detection in exhaled droplets	Fraport Greece
SERS substrates for virus detection in exhaled droplets	Loop Diagnostics S.L.
SERS substrates for virus detection in exhaled droplets	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
SERS substrates for virus detection in exhaled droplets	Cyprus Deputy Ministry of Research, Innovation & Digital Policy
SERS substrates for virus detection in exhaled droplets	Region of Central Macedonia
SERS substrates for virus detection in exhaled droplets	cloudferro.com
SERS substrates for virus detection in exhaled droplets	Ilka Neugebauer
SERS substrates for virus detection in exhaled droplets	FORTH/PRAXI network Costas Caramanis

SERS substrates for virus detection in exhaled droplets	Paul Pöltner-Austria
Sewers4COVID	Metinvest Holding Corporate Polytechnic University, Ukraine
Sewers4COVID	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
Sewers4COVID	Region of Central Macedonia
Signet.app - Online trust re-imagined	Metinvest Holding Corporate Polytechnic University, Ukraine
Signet.app - Online trust re-imagined	PwC Luxembourg
Skyrocket Your Team	Ege University EBILTEM Technology Transfer Office, Turkey
Skyrocket Your Team	Metinvest Holding Corporate Polytechnic University, Ukraine
Skyrocket Your Team	Pernica d.o.o.
Skyrocket Your Team	Sapien Innovation
Skyrocket Your Team	Cordial AB
Skyrocket Your Team	Easy Albania
Skyrocket Your Team	Intesa Sanpaolo
Smart Finance Beyond Banking - SFB2	PACT
Smart Screening Tool	Fraport Greece
Smart Screening Tool	#GreeceVsVirus, a joint initiative of the ministries of Digital Governance, Development & Investment
Smart Screening Tool	Malta Enterprise
Smart Screening Tool	Region of Central Macedonia
SmartCoach4Resilience	STARTS Initiative
SmartCoach4Resilience	Metinvest Holding Corporate Polytechnic University, Ukraine
SmartCoach4Resilience	Cordial AB
SmartCoach4Resilience	Intesa Sanpaolo
Smartphones4good - S4G	BNP Paribas - Engagement Transformation, London, United Kingdom
Smartphones4good - S4G	Marbella University, Spain
Smartphones4good - S4G	FabianVDR Advisory
SoloCoin	WISE Advisors & New York University , USA
SoloCoin	CEU InnovationsLab, Hungary
SoloCoin	Universitat Ramon Llull, Barcelona, Spain
SoloCoin	Pernica d.o.o.

SoloCoin	All probono
SoloCoin	Teclaim
SoloCoin	Founderly
SoloCoin	Intesa Sanpaolo
SoloCoin	Copenhagen Capacity
SoloCoin	Deputy Ministry of Research, Innovation & Digital Policy, Cyprus
SoloCoin	Madrid City Council
SoloCoin	Malta Enterprise
SoloCoin	Malta Enterprise
SoloCoin	Mainstage Incubator
SoloCoin	Logroño City Council
SoloCoin	SIRIUS GLOBAL
SoloCoin	Hamburg Invest Wirtschaftsförderungsgesellschaft GmbH
SoloCoin	Law Office Natalya Spuling
SoloCoin	Genius Global
sostenibl.es	Aristotle University of Thessaloniki, Department of Agricultural Economics, Lab of Rural Sociology, Greece
sostenibl.es	University of Torino - Department of Management, Italy
sostenibl.es	Pact
sostenibl.es	Santander
sostenibl.es	Animals AI
sostenibl.es	City of Logroño
sostenibl.es	City of Málaga
sostenibl.es	Comune di Arcidosso
sostenibl.es	Comune di Santa Fiora
sostenibl.es	City of Gijón - Gijón Impulsa
sostenibl.es	Government of the Principality of Asturias
sostenibl.es	Chamber of Commerce in Oviedo
sostenibl.es	CEMAS Valencia
sostenibl.es	City of Torino - Open Innovation Center
sostenibl.es	Novalog
sostenibl.es	Comillas Pontific University - ICADE
sostenibl.es	FADEMUR - Spanish Federation of Rural Women's Associations

sostenibl.es	Observatorio del Trabajo en Argentina
sostenibl.es	Open Fabric
sostenibl.es	WeMakeChange
sostenibl.es	Unversidad Ramón Llull
sostenibl.es	City of Madrid
sostenibl.es	City of Valencia
sostenibl.es	<u>Animals.ai</u>
sostenibl.es	Co-llectif
sostenibl.es	Impulse4Women
sprovid	Free University of Bolzano-Bozen, Italy
sprovid	Metinvest Holding Corporate Polytechnic University, Ukraine
sprovid	OTP Bank
sprovid	Pernica d.o.o.
sprovid	Santander
sprovid	Skytechture
sprovid	WIGILABS
sprovid	www.stekiradio.gr No1 Web Radio For Disabled
sprovid	Zelos
sprovid	Business Concept Srl
sprovid	F6S
sprovid	FabianVDR Advisory
sprovid	Global Venture Exchange
sprovid	Intesa Sanpaolo
sprovid	L marks
sprovid	Copenhagen Capacity
sprovid	Deputy Ministry of Research, Innovation & Digital Policy, Cyprus
sprovid	Malta Enterprise
sprovid	PSH Consultancy
sprovid	Metinvest
sprovid	Paul Pöltner-Austria
sprovid	Mentors at Large
sprovid	EIT Digital
sprovid	European Institute of Innovation & Technology (EIT)
sprovid	SIRIUS GLOBAL - Academic Diplomacy 4.0
sprovid	René de Jong Inversiones SL

sprovid	Metinvest
sprovid	Paul Pöltner-Austria
sprovid	Mentors at Large
Teachers Lead Tech	Vilnius University, Lithuania
Teachers Lead Tech	Burgas Free University, Bulgaria
Teachers Lead Tech	Agency for Science, Innovation and Technology
Teachers Lead Tech	Lithuanian Innovation Centre
Team Discover	Ege University EBILTEM Technology Transfer Office, Turkey
Team Discover	Mechanical Engineering Faculty in Slavonski Brod , Croatia
Team Discover	SabaLAB - Laboratory for Digital Arts and Sciences , Croatia
Team Discover	City of Málaga
Team Discover	STARTUP3
The Human Project	WISE Advisors & New York University , USA
The Human Project	Marbella University, Spain
The Human Project	WeWork Labs
The Keexle Open Source Project	Metinvest Holding Corporate Polytechnic University, Ukraine
The Keexle Open Source Project	PwC Luxembourg
The Keexle Open Source Project	Intesa Sanpaolo
The Village - Where The World Is Your Classroom	Huawei
The Village - Where The World Is Your Classroom	Swiss Organization
TRUST IN SCIENCE	WISE Advisors & New York University , USA
TRUST IN SCIENCE	Blumenfeld & Associates and New York University Business Plan Competition, USA
Trust in Science	STARTS Initiative
TRUST IN SCIENCE	Brunel University London, United Kingdom
TRUST IN SCIENCE	Burgas Free University, Bulgaria
TRUST IN SCIENCE	CEU InnovationsLab, Hungary
TRUST IN SCIENCE	Tactical Management in Complexity HUB (University St. Kliment Ohridski Bitola North Macedonia and Ghent University Belgium)
Trust in Science	Transformation Lighthouse - Business-Academia Relations Ajdovščina, Slovenia
TRUST IN SCIENCE	Aristotle University of Thessaloniki, Switch Lab

tutify.org	Aristotle University of Thessaloniki, Switch Lab
UNITE Public Procurement Platform	Metinvest Holding Corporate Polytechnic University, Ukraine
UNITE Public Procurement Platform	PwC Luxembourg
Videowiki	STARTS Initiative
Videowiki	Burgas Free University, Bulgaria
Videowiki	Department of Management of the University of Torino, Italy
Videowiki	Ege University EBILTEM Technology Transfer Office, Turkey
Videowiki	Free University of Bolzano-Bozen, Italy
Videowiki	Metinvest Holding Corporate Polytechnic University, Ukraine
Videowiki	Universitat Ramon Lull, Barcelona, Spain
Videowiki	Visokio Ltd
Videowiki	WIGILABS
Videowiki	Compris Technologies AG
Videowiki	Huawei
Videowiki	Modern Education& Research Institute
Videowiki	CIPFP
Videowiki	El observatorio del trabajo
Videowiki	MIUC
Videowiki	SIRIUS GLOBAL - Academic Diplomacy 4.0
Videowiki	Impulse4women
VideoWiki	Cienciaviva & FCT
ViraTrace	Brunel University London, United Kingdom
ViraTrace	Marbella University, Spain
ViraTrace	Mechanical Engineering Faculty in Slavonski Brod , Croatia
ViraTrace	Metinvest Holding Corporate Polytechnic University, Ukraine
ViraTrace	Polytechnic of Medimurje in Čakovec - Applied Automation - Industrial Diagnostic Laboratory, Croatia
ViraTrace	SabaLAB - Laboratory for Digital Arts and Sciences , Croatia
viratrace	Oracle
ViraTrace	ABN AMRO & Dell Technologies

ViraTrace	Loop Diagnostics S.L.
We stay liquid	Marbella University, Spain
We stay liquid	Metinvest Holding Corporate Polytechnic University, Ukraine
We stay liquid	Alphablock
We stay liquid	Typeform
We stay liquid	EY
We stay liquid	Advokatfirman Lextech AB
We stay liquid	Huawei
Yellow Canary	PwC Luxembourg
Yellow Canary	BizConcret
Yellow Canary	ABN AMRO & Dell Technologies
Yellow Canary	Intesa Sanpaolo
Yellow Canary	City of Amsterdam
Yellow Canary	La Roche

Project information

This section presents the following information for all the 120 winning projects:

1. Project name
2. Challenge domain
3. Headquarters
4. Nationalities of team members
5. Total number of members
6. Website
7. Devpost
8. Description
9. Technological/social problem
10. Proposed solution/Impact of the project

Disclaimer

This report is provided for information only. The information contained herein has been self-declared by each team in the Matchmaking platform, is subject to change and does not commit the European Commission.

NAME	#WeStudyTogether
DOMAIN	Remote Working & Education
HEADQUARTERS	Belgium
TEAM MEMBERS	Germany
MEMBERS	1-10
WEBSITE	https://westudytogether.org/pitch
DEVPOST	https://devpost.com/software/westudytogether
DESCRIPTION	<p>#WeStudyTogether is an online peer-to-peer learning community that helps educational institutions to engage remotely with students and to prevent student knowledge gaps and attrition.</p> <p>Technical feasibility: Need for software development front-end and back-end to create initial products and API integration</p> <p>Investment: Acceleration/incubation programs or private investors - for network and focus project</p> <p>Route to market: Connections with partners, educational institutions and players in EdTech</p>
PROBLEM	<p>There are currently 19 million university students in the EU unable to attend physical classes. While bringing lectures online, we are in danger of losing real educational achievement. True learning happens in a supportive environment allowing one-to-one tutoring, common objectives and a culture with a strong sense of belonging.</p> <p>Research shows that campus culture, relation and engagement are crucial for student retention. Education systems are not ready to offer this engaging environment digitally, leading to only 3.13% of students successfully finishing online university courses.</p>
SOLUTION	<p>#WeStudyTogether is an online peer-to-peer learning community platform that helps educational institutions to engage remotely with students to prevent student knowledge gaps and attrition.</p> <p>Twelve reasons for adoption</p> <p>The platform allows students and educational institutions in the sense of:</p> <p>Engagement and interaction</p> <ul style="list-style-type: none"> - Increase the quality of students' interactions - Boost students' sense of belonging to the institution - Provide a safe and supporting learning environment - Contribute to the institutions' culture - Provide opportunities to socialize and have fun - Help students feel comfortable about seeking help - Enable co-working to a common objective / goal <p>Mastering and certification</p> <ul style="list-style-type: none"> - Help students prove they mastered the subject (teaching shows mastery) - Develop employable and transferable skills of students (coaching, teamwork) - Allow student to differentiate themselves by building additional learning resources

#EUvsVirus
challenge

can you hack it?



Success and evaluation

- Increase success rate of students and the completion of their studies
- Provide employers a reliable assessment of the graduates on the mastered subject

Technology:

Software solution

NAME	A Peer to Peer Solution For Health Insurance
DOMAIN	Digital Finance
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	www.wiseandsmartcities.eu
DEVPOST	https://devpost.com/software/a-peer-to-peer-solution-for-help-insurance
DESCRIPTION	<p>Covid-19 healthcare crisis and the lockdown policies had dire social and economic consequences especially on the weakest social categories. Workers, for instance, were also those who were most exposed to the pandemic and the lockdown effects.</p> <p>The volunteering and solidarity networks, however, showed forms of economic and social resilience of communities overcoming the limitations of both markets and State. The objective of our project is to reduce existential, social and economic suffering by providing communities with tools to enhance such forms of cooperation by adequately protecting those who are involved in such activities and the community as a whole. In particular, the perspective of the Internet of Values inspires our proposal. The main strategy is articulated towards various degrees of protection and insurance of the targeted population. Distributed ledger technologies allow disintermediation, more participatory governance and transparency. This insurance proposal is intended as a process of collective learning of the co-designing for a just and wise economy (Giorgino and Walsh 2018): it prepares to the consequence of a jobless economy, caused by technological unemployment and paves the way to forms of provisioning beyond the current system identifying work with paid labour by fiat money. This model envisions in practice a life-oriented economy, indicating a possible way out from the current impasse in which Covid-19 could be seen as a catalyst of the whole societal transformation.</p>
PROBLEM	<p>Volunteers performing key activities for the community in our use case are insured in order to incentivize such behavior. They need this form of protection because they are potentially the most exposed to the risk of infection while carrying out their tasks in case of insufficient provision of PPEs, as already occurred. Moreover, the dire economic and social consequences of the lockdown on society need a timely response, entailing also liquidity provisioning for those businesses performing key activities to overcome the challenges imposed by the emergency and the post-lockdown phase.</p>
SOLUTION	<p>Communities can recognize volunteers' contribution through the provision of PPEs for the emergency. How?</p> <p>The protocol we designed enables the local companies to collect the liquidity they need to allow their business to take off again after the lockdown by selling insurance cards. These allow them to fidelize the clients entitling them to discounts, therefore boosting their cash flows. The amounts collected are pooled in a common fund and then used for the insurance and protection.</p>

#EUvsVirus
challenge

can you hack it?



As the project scales up the community can provide daily allowances to its members that are in the most precarious social and economic conditions due to the lockdown.

The insurance model is implemented on DLT-based systems making use of DAOs to automatically calculate the premia and refunds. These allow the disintermediation needed to make the communities resilient and self-reliant.

NAME	Ai-London
DOMAIN	Business Continuity Social & Political Cohesion Remote Working & Education Digital Finance
HEADQUARTERS	United Kingdom
TEAM MEMBERS	United Kingdom
MEMBERS	1-10
WEBSITE	www.ai-london.com
DEVPOST	https://vimeo.com/414681051
DESCRIPTION	<p>Ai-DAC-19 Use Cases:</p> <ol style="list-style-type: none"> 1. Events and conferences 2. Services and rented office spaces 3. Airlines & Airports 4. Sport gatherings <p>Primary Audience: Sales Mgt., Distribution Mgt., Underwriting and Actuaries, Secondary Audience: event risk owners.</p> <ol style="list-style-type: none"> 1. It gathers data and pushes it to the underwriters and risk rating engines from the organisers and participants in any 'affinity group' contracted meeting 2. It pulls data from the risk rating engines and other data sources (public health, pandemic and epidemic trends) 3. The Ai-Engine applies AI/ML techniques to constantly learn and trigger 'Next Best Actions' 4. The Ai-APP informs these 'Next Best Actions', such as 'change travel route, don't attend etc.. <ul style="list-style-type: none"> • To the insurer • To the event organiser • To the Participant 5. We ARE NOT setting the premium
PROBLEM	How do insurers and those responsible for organising and arranging 'safe social gatherings' manage the risk profile of any given event – whether the serviced office, the church service, the yoga class or choir practice?
SOLUTION	The award-winning Ai-Analytics Platform addresses this issue with 'out the box' Apps and Analytics for the insurer and the event organiser to know the risk and mitigating next best actions. The participants constantly feed in update data on changes in vulnerability and exposure.

NAME	Aidbind
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Malta, Bulgaria
TEAM MEMBERS	Bulgaria, Sweden, United Kingdom; Residents of: Malta, Bulgaria, Germany, Sweden, United Kingdom
MEMBERS	1-10
WEBSITE	https://aidbind.com
DEVPOST	https://devpost.com/software/aidbind-g3k5f0
DESCRIPTION	<p>Aidbind is building a service aiming to elevate global healthcare via data. Our pitch for a platform to collect, analyze and provide data on medical devices donations demand, supply and available funds was one of the six main winners in EUvsVirus, and a finalist in Hack The Crisis Bulgaria. We are an international team in the process of incorporation and weeks away from the release of our pilot product.</p>
PROBLEM	<p>How do you know where and what donations are needed? How do you know what and where to buy from? How do you know who already has, or is collecting donations? Healthcare data is difficult - fragmented, sometimes inaccurate and often very expensive. And when it comes to donations - even more so. The top economies are experiencing this during the COVID-19 crisis. But for the many other countries relying largely on donations, the inability to easily report needs, find competitive suppliers, or prove and stimulate the existence of charitable and crowdsourced funds is a chronic problem.</p>
SOLUTION	<p>Aidbind is an online platform to collect, provide and analyze data on demand, supply and funds on medical devices donations:</p> <ol style="list-style-type: none"> 1) Demand: What medical devices healthcare providers need in the form of donations 2) Supply: Which manufacturers and suppliers can provide the needed medical devices 3) Funds: What are the existing donation campaigns, charities, funds that can cover the cost of medical devices donations <p>We are focused on ease of use on both the data collection and the data consumption side in order to ensure quick adoption rates, and as up-to-date and accurate data as possible. Via tailor made tools for data management for our team and partners, and communication channels ranging from APIs to phone support. And a digital platform to consume the data, with different data visualisation and access levels depending on the use cases.</p>

NAME	Aiditto AB
DOMAIN	Business Continuity
HEADQUARTERS	Sweden
TEAM MEMBERS	Sweden, Finland
MEMBERS	11-20
WEBSITE	https://aiditto.se
DEVPOST	https://devpost.com/software/aiditto-turn-good-intentions-into-valuable-giving
DESCRIPTION	<p>AID IT TO is a SaaS-solution that enables municipalities source what is needed by easily, quickly and safely organising help and donations.</p> <p>AID IT TO provides a dynamic and integrated sourcing capability and preparedness to support crisis management and sourcing teams. We fundamentally improve societal resilience with the SaaS platform and the ability to quickly form new sourcing networks. We fulfil acute needs in society with rapid sourcing of help and donations from civic society with ease and safety.</p> <p>In the Covid-19 crisis, AID IT TO fulfils health care needs through donations and help with 3d printing materials, production shifting, assembly work and disinfectants. With the forest fires it was about getting help from farmers to spray areas with water. In the refugee situation it was about organising clothes, baby carriers and household items. The platform adapts to the crisis at hand.</p> <p>We are preparing a pilot in June with three municipalities in southern Sweden.</p>
PROBLEM	<p>The Covid-19 pandemic has led to a sudden acute shortage of supply with life and death consequences. The increasing and unmet demands for protective gear, disinfectants and pharmaceuticals have put the very core of our healthcare and welfare at stake. It is key to gain an ability to get access to critical resources and equipment immediately.</p> <p>Most municipalities have invested a significant amount of labour in emergency response teams that reach out to the general public through existing web pages, social media and in other ways to collect 3d printing materials, disinfectants and personal protective equipment (PPE) to a centralized place and then to redistribute it to those that need it.</p> <p>In Sweden, three main issues has been pointed out in the crisis response: preparedness in regions and municipalities, care for the elderly and an unclear division of responsibilities. "We need to improve emergency preparedness," says Olivia Wigzell, General Director of Sweden's National Board of Health and Welfare. Specifically, the municipalities did not get enough support from the authorities. The ongoing training that was in place since long back with the County Management Boards did not reach the municipalities; with the consequence that relevant systems, methods and tools were not in place for them.</p> <p>It feels wrong to give when a platform makes money from your acts of giving. A strong platform should be not-for-profit and enrich neither</p>

	<p>receivers, nor the matchmaker. Such a commercial platform, even if served by ads, is fragile and with incorrect incentives for those involved financially. The key elements of public safety, allocation and prioritization are ther to make for the best societal outcomes. The allocation decisions have to be made based on policies governed by the public sector.</p> <p>Interviews with officials on municipal, regional, county and national agency level clarified an important concern in that any platform created must secure that public procurement and direct procurement does not get impacted. No information may go into a platform that disqualifies a supplier. All products that can and should be purchased through public procurement must be connected directly to the public purchasers, and never be allowed to have information about them enter the platform to create information asymmetry.</p> <p>To allow a system of allocation to the highest bidder leads to price increase, incorrect allocations, and that profits are made by profiteers in a situation that does not warrant it. In addition to incorrect pricing, key perspectives to include is safety, allocation and prioritization of materials flowing through the system, that can, and should only be done by the public actors, or by their instructions and policies.</p> <p>We believe a flexible sourcing capability should not be limited to COVID-19. Previous crises has experienced shortage surges of clothes (refugees/migrants), water tanks attached to tractors (forest fires) and whatnot. Prioritisation, allocation and safety needs must be governed by policymakers and municipal coordinators, and not allow profiteering of the crises.</p>
SOLUTION	<p>AID IT TO is about how to turn good intentions into valuable giving. To help society collaborate by making municipal, regional and public needs available in an aggregated form, in a digital storefront. A capability that enables citizens and businesses to know how and with what they can support in the best way, and support supplying what they provide (by giving or selling) in a way that is easy to receive by functions within municipalities. Our platform for flexible sourcing is built for original products, volunteering, certified/certifiable goods and 3D printing, sewing, and other local manufacturing.</p> <p>The technical platform is scalable and was built to launch and scale to a large number of instances. The solution is built using React and Material-UI for the frontend parts, and the highly reputed Nidulus platform for the backend; a platform for distributed microservices. Specific APIs integrates the two to allow functionality such as seamless upload of data and metadata, authentication, matching of items, and more importantly a personalized and localised platform by region by authorities.</p> <p>Authorities can create their demand descriptions, with no details on the amounts, edit text and language on any page, and do so without having to deal with the underlying technology. Updates are made through a built-in localized Content Management System (CMS) that supports multiple languages, where content editors can use a familiar editing environment for all editorial content on the website.</p>

Supply coordinator logins from municipalities are integrated through SAML single sign on with Azure Active Directory to ensure no local passwords are used. Some materials are sensitive and needs to have the donor identified, such material donations get protected by Swedish BankID signatures (cost of 1SEK/signature) to verify the Social Security Number of the donor, in Sweden. Other systems will be used throughout Europe.

Contributors that donate materials browse current demands, and adds a proposal to donate based on what is needed. Once their materials get allocated, they get a notification where not only the central location is possible, but also a more relevant drop-off location. They get thanked and have the option to get a public personalized unique thank you page with a unique link with a thank you note (with optional personal information) from the municipality that can be shared through social media to generate traffic and more donations. The thank you page will only be enabled once goods have been confirmed by the receiver through a secure QR code hand-off in logged in mode.

A machine learning workflow concept has been developed and is relevant for problems of scale in the platform. The workflow assures that when the platform scales, automation can augment many tasks for users of the platform. The initial use case is to identify and propose probable matches between demand and donations to speed up matchmaking, not only for identifying correlatable pairs, but also to propose based on historic use and, with a validated statistical dataset available, also to propose correct allocations and prioritizations based on outcomes.

NAME	aiLearning
DOMAIN	Remote Working & Education
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	ai-learning.eu
DEVPOST	https://devpost.com/software/ailearning
DESCRIPTION	<p>aiLearning is an IT company born to develop a solution to overcome the difficulties brought up by remote educational activities.</p> <p>aiLearning is an AI-based all-in-one platform aimed to simplify and improve exam preparation, execution and evaluation.</p>
PROBLEM	<p>The outbreak of COVID-19 in Europe and necessary national measures taken to tackle the spread of the virus may cause significant disruption to the provision of education, training and mobility opportunities for learners, teachers and educators.</p> <p>After the lockdown, lessons were moved from classrooms to e-learning platforms, while remote exams still remain a big question mark due to the uncertain effectiveness of solutions given, in terms of process and technology performance.</p> <p>The survey addressed to students and professors of several European Universities revealed that the main effects of remote examination are:</p> <ul style="list-style-type: none"> • Extra time spent on additional required tasks. • Troubles on planning and attending of the assessment activities. • Lack of options in term of examination modalities. • Lack of quick interactions between the professor and the student to resolve doubts during exam execution. • Difficulty in finding a unique platform that meets all needs. • Lack of controls over cheating behavior of the students during exams.
SOLUTION	<p>AILEARNING IS AN AI-BASED SOLUTION DEVELOPED WITH THE AIM TO SIMPLIFY REMOTE EXAMINATION.</p> <p>aiLearning responds to the necessities of new tools to help students and teachers keeping contact during Covid-19 and conduct examinations effectively in a safe environment.</p> <p>aiLearning supports oral exams, multiple-choices exams, written exams with open answers and written exams carried out offline on paper within an all-in-one platform.</p> <p>aiLearning platform has all functionalities that are needed to create, schedule, execute and evaluate an exam. These functionalities answer to all needs coming from both figures involved within an exam: teacher and student.</p> <p>The Artificial Intelligence makes aiLearning unique: advanced AI algorithms allows the automation of several tasks, helping the teacher in saving time during the exam session and the evaluation process.</p>

The **teacher** can easily create the exam by uploading exam data within a dedicated platform. At the end, aiLearning automatically sends an email to the student with all exam information and with the link for the exam access. When the exams start, voice and face recognition algorithms allows the automation of identity checks. The teacher can review the results and, if needed, proceed with manual verification. During the exam execution the webcam is always switched on, for student monitoring. Moreover, aiLearning solution blocks some functionalities, such as changing browser window/tab and copy-paste content option. These functionalities ensure that students cannot adopt cheating activities. Each answer from students is provided in real-time to the teacher in order to have the possibility to interact with the student.

At the deadline of the time window, the teacher can proceed with the exam closing. All final answers will be directly and immediately available within the dedicated dashboard. Thanks to an Artificial Intelligence algorithm, aiLearning provides a fist evaluation of the single student. This is performed for all types of exams. For written exams with open answer options, aiLearning leverages Natural Language Processing and Understanding solution in order to analyze the text input, to remove noise and to get keywords and key-concepts expressed by the student. Each student's answer is compared, through Machine Learning algorithm, with the expected answer provided by the teacher: the more similar they are, the higher the mark suggested by the algorithm will be.

For oral exam, the evaluation works as for written exams, with an additional step: the recorded student voice is transformed into text by applying speech-to-text algorithms. If further manual corrections on printed paper are needed, the teacher can export and print all students' submissions. The teacher can review all students' answers and decide to change the mark suggested by the AI module. The definition of the final mark can be done using the dedicated interface. The complete list of students and related marks can be finally exported.

For **students**, aiLearning provides them all functionalities for preparing and taking exams without stress. aiLearning is also a learning companion for the exam preparation. Indeed, thanks to Artificial Intelligence algorithms, aiLearning can provide feedbacks on the preparation level for each exam, reliving the feeling of a conversation with a classmate, emotion that the social distancing has taken away. Moreover, the student can enroll the exam and easily check his/her identity. There is only "one problem": cheating activities are forbidden!

During the exam, the student can access the dedicated webapp in order to see exam questions. Each question will be provided one per time for reducing the possibility of cheating activities: if the student submits a question, he cannot modify it anymore. The order of question is defined by the teacher. Depending of the exam type, the student can provide the answers by:

- Sending a vocal message (for oral exam). In this case the student can autonomously record the audio and the he/she can upload it within the interface. The audio will be processed with speech-to-

text algorithms in order to be transformed into text, verbalized, stored within the aiLearning platform and made available for the teacher.

- Typing the answer content (written and open answer exam). The textual answer is processed and made available in real time within the teacher interface.
- Selecting the right option (for multiple-choices exam).
- Uploading a picture of a paper sheet (for written exams done offline, i.e. scientific topics). This functionality is available within the aiLearning mobile app. In order to avoid untrusted behaviour, the student must upload the pictures during the dedicated exam slot. - Uploading after the exam deadline are not admitted. During the exam, each student has the possibility to have a live chat with the teacher for asking questions and clarifying doubts.

aiLearning provides a valid alternative for simultaneous and time-saving exams thanks to the innovation of the solutions. But this is not only a problem of Covid. Once the emergency will be overcome, with a hypothetical reopening (partial or total) of the schools, aiLearning can play a role in carrying out the examinations on site or remotely. Thanks to its main benefits:

- Time-saving thanks to simultaneous sessions;
- flexibility on location and timing of the session;
- Objective evaluation.

Moreover, aiLearning can continue to be a good learning companion also after our home doors will be opened.

NAME	Art Hub Live Ltd.
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Italy
TEAM MEMBERS	Italy, Ukraine, Switzerland, United Kingdom
MEMBERS	11-20
WEBSITE	www.arthublive.com
DEVPOST	https://devpost.com/software/art-heist-bo01jw
DESCRIPTION	<p>Local artists' main source of revenue, live performances, have been stranded and "the back to normal" seems nearly impossible as social distancing practices may continue until 2022! At the same time, individuals worldwide desperately need enriching cultural experiences. Art Hub sees itself as a bridge between these two parties by proposing a new marketplace. An innovative, virtual platform which allows artists and venues to connect with a global audience selling digital live performances.</p>
PROBLEM	<p>Did you know that in 2018, there were 7.3 million people in cultural employment across the EU-27? That's around 1 in 25 people in Europe who work in arts and culture, a sector now deeply disrupted by COVID-19, as to date most art experiences take place in crowded locations from theaters to concert venues. So how can artists, like Erika, who is an Opera singer, continue sharing her art and make a living in these difficult times?</p> <p>At the same time, during this period of crisis and isolation, people more than ever need moments of joy, inspiration and creativity. This is especially true for the most vulnerable groups of society such as the elderly, who are isolated from their family and friends. These moments most often come through the arts and collective expression.</p> <p>So, THE SHOW MUST GO ON! But how?</p>
SOLUTION	<p>Art Hub transforms the relationship between artists, art venues and audiences forever by providing a digital space that is here to stay, creating a sustainable ecosystem that will complement traditional live performances as we have known them thus far.</p> <p>Art Hub acts as a virtual marketplace providing the space for artists and individuals - like you and me - to connect, schedule and pay for live performances and events. Artists, theaters and audiences can create an entire new marketplace, scalable globally across cultures and national borders, opening up markets that were previously thought unimaginable. As an artist you simply need to create your profile and set up an event for which you will set the price, the timing and the maximum number of participants. Art Hub global audience will increase the artist network and provide a facility for the artist to interact with the audience by receiving direct feedback and chatting with them after the event. In this way we hope Art Hub will open and nourish new interactions and relationships between artist and audience, which, while not physical, will be direct, interactive and emotional.</p> <p>Art Hub will not obstruct the beauty and natural expression of live performances in theaters, markets, streets and anywhere artists and audiences can physically perform. Art Hub seeks to go one step further</p>

by creating a complementary vehicle for artists, venues and audiences to continue connecting and enriching their interactions in innovative ways. We are convinced a digital solution is here to stay.

In addition, the Art Hub platform is completely carbon-neutral! A percentage of every transaction is put towards funding street artists and a Sustainable Development Goal (SDG) project chosen by the artist directly. Thus, Art Hub not only supports social cohesion through local tradition and culture but all SDGs!

Our MVP, which is fully operational and hosts around 3 events per week, is built using a Wix platform. Our website allows artists and individuals to register and create their own profile - we already have more than 100 connected users. It also offers the possibility to view upcoming events and buy tickets. We are currently testing different streaming options; our preferred method for the moment is direct streaming on a private page of Art Hub website followed by an interactive section on Zoom with the artist and audience. During this beta phase performances are completely free but participants are given the performer's Paypal account so that they can make a donation if s/he wants.

We are also active on social media (Facebook and Instagram) with already more than 700 active followers.

During the beta phase we hope to not only improve our technical solutions but also to achieve a substantial number of registered users (10'000+) and partner with a couple selected organizations.

NAME	Balancever
DOMAIN	Health & Life Remote Working & Education
HEADQUARTERS	Indian, Italian
TEAM MEMBERS	Canadian, Indian, and Italian
MEMBERS	1-10
WEBSITE	https://www.linkedin.com/company/balancever/
DEVPOST	https://devpost.com/software/balancever-your-balanced-daily-routine
DESCRIPTION	<p>Our lifestyle management platform helps users to structure their day helping in reducing stress and promoting a healthy lifestyle while working remotely.</p> <p>We created a platform that help structuring a work day effectively, provide suggestions what to do during breaks and free time and display a work-life balance score.</p> <p>With Balancever you generate a structure for your day, boost your efficiency and avoid long working hours. You can select diverse activities for your break and free time. Every users can also suggets ideas and share with their colleagues and friends.</p>
PROBLEM	Unproductive remote working and unbalanced lifestyle
SOLUTION	<p>The product features are:</p> <ul style="list-style-type: none">- balance score that count hours of work and private time- suggestions of activities for free time <p>The solution is the ability to balance work-day efficiently while working long hours.</p> <p>We provide users an ability to add their work-schedule and breaks. Balancever provides suggestions on topics that can be done during their break time ranging from Arts to Yoga to Strength and Fitness.</p>

NAME	Bankera
DOMAIN	Digital Finance
HEADQUARTERS	Lithuania
TEAM MEMBERS	Lithuania
MEMBERS	101-500
WEBSITE	https://bankera.com/
DEVPOST	https://devpost.com/software/double-guarantee-late-payment-factoring-kxo301
DESCRIPTION	Bankera Business Care provides short-term financing to SME's that are experiencing cash-flow problems. Our financing relies on flexible loan repayment and a 50% guarantee from the supplier. To provide the service we build on the already existing infrastructure of Bankera, which provides payment solutions to corporations.
PROBLEM	Providing short-term financing for businesses with temporary cash-flow problems. Helping companies avoid insolvency while maintaining liquidity within their business ecosystem.
SOLUTION	<p>Product: short-term financing with no collateral; Eligibility: all SMEs registered in the EU; Loan amount: €1.000-250.000; Interest rate: from 1% monthly; Loan maturity: 1-36 months; Time to get a loan: from 2 hours; Flexible repayment: you make the schedule and make no repayments during the lockdown.</p> <p>Technology: using the payment and onboarding infrastructure via Bankera; using the COVID-19 specific risk model; developing the lending module in the back-end.</p>

NAME	BizGees Ltd
DOMAIN	Digital Finance
HEADQUARTERS	United Kingdom
TEAM MEMBERS	Croatia, Slovenia, Sweden
MEMBERS	1-10
WEBSITE	https://www.bizgees.org/
DEVPOST	https://devpost.com/software/arts4refugees
DESCRIPTION	<p>We transform refugees into entrepreneurs using alternative finance. The products and services here help us generate capital to support the refugee communities we work with.</p> <p>Our business won the Infosys Challenge for Financial Inclusion at the UNICEF FinTech Jam for Good. We use human centred design to ensure our financial services meet the human needs of the communities we support and based in.</p>
PROBLEM	<p>Fast fashion is one of the biggest polluters globally. On average people only wear an item 4 times before they throw it away. 85% of all textiles bought go to landfill sites every year. Source: UNEP, Ellen McArthur Foundation.</p> <p>Female fashion conscious millennial women are looking for more eco friendly ways to enjoy fast fashion, but they have limited options. 900k of them live in London alone, so this is a sizeable global target segment.</p> <p>Scale of the problem - 10% of all carbon globally is from fast fashion(more than aviation and maritime combined). It is the world's second largest consumer of water. ! It is responsible for 20% of all industrial waste globally. Source: Business Insider.</p>
SOLUTION	<p>Virtual clothing solution - this includes protection of IP rights of the artists. The solution has 4 tiers - Standard off the shelf artwork for normal clothing Standard off the shelf artwork for digital clothing Off the shelf virtual clothing with iterations to the artwork - this allows for customisation for special occasions eg birthdays, wedding, etc. Custom design virtual clothing by organising one to one sessions with the artists.</p> <p>The holochain (a block chain style peer to peer middle ware) configuration helps manage the data self sovereignty issues for the artists and rights of all the stakeholders.</p> <p>This allows artists and designers to earn a living during the lock down.</p> <p>In short, not only do the fashion conscious millennial women get to enjoy fashion with harming the planet, But, artists and fashion designers get to earn a living by leveraging their IP as well. The overall impact we create is as follows:</p> <ol style="list-style-type: none"> 1. The need for fast fashion clothing goes down. Digital experience is growing and ensures millennials can enjoy fashion - just digitally. 2. Artists and customer engagement goes up. Customers can directly engage with the artist and build strong emotional bonds. This helps the artist build their fan base. Artists have new ways to monetize their

artwork and gain more exposure.

3. UN SDGs are supported - pollution, wastage, landfill sites, water consumption and being targeted. For example, SDG 8 - decent work and economic growth, SDG 9 - industry, innovation and infrastructure, SDG 12, Responsible consumption and SDG 13 Climate Action

4. CoVid impact on artists and their current way of doing business is solved. They have a digital solution custom designed to help them earn a living where their IP rights are protected. Data is self-sovereign and the holochian allows the artist to retain ownership of their data even in co-creational environments.

5. Share of profits supports refugees, transforming them into entrepreneurs in Northern Uganda.

NAME	BorderX
DOMAIN	Business Continuity
HEADQUARTERS	Germany
TEAM MEMBERS	Austria, Belgium, Germany, Italy
MEMBERS	1-10
WEBSITE	https://www.borderx.eu
DEVPOST	https://devpost.com/software/borderx
DESCRIPTION	<p>BorderX, A Smart Service to Declare Priority Shippings</p> <p>We provide a service to declare shipments of critical goods at times of crisis in order to pass through priority lanes at border crossings. Our system is flexible and easy to set up and is intended to be used to minimize the impact of limited border crossings for the supply chain of critical goods.</p>
PROBLEM	<p>Closed inner-European borders during the COVID-19 pandemic are an unexpected disruption to existing supply chains that rely heavily on road transport. Currently, there is no system in place to prioritize shipments that are urgently needed. Therefore, all transports need to be held at the border. We aim to change that.</p>
SOLUTION	<p>We propose a system where carriers can declare the transport of priority goods and the borders they will cross. Governments can specify which goods should be prioritized, from medical supplies to livestock that cannot be in transit for long periods of time to shortages in their markets. They will then create priority lanes for transports that carry these goods. When a truck arrives at the border, the border agents will use the number plates to request information on the priority status. This includes the presence of a declaration as well as further possible signals to prove authenticity. The border agents can reduce their efforts to spot checks based on the server reply (pass, check, stop), while important goods can reach their destination without further delays.</p> <p>Our solution is flexible and easy to deploy, due to the decentralized setup. In the background we have deployed a distributed ledger that takes care of sharing only the information that is required for the task with each party. The border agents will only get a reply for shipments that have declared to pass their country and only see the main signals. Government agencies will be able to provide pre-authentication to suppliers and carriers that prove to have sufficient auditing capabilities to prevent fraud. They will also be able to sanction carriers that commit fraud by adjusting signals. Auditing nodes will ensure the ability to follow up on shipments to reduce the risk of fraud further.</p> <p>The solution can be applied directly to any situation where borders are closed, including any future crises and can be easily extended to include border to non-EU countries. It can also be adapted for crossings and corridors with limited capacity. It can both ensure that critical goods can cross easily, while other goods can trade their spot based on the economic value and urgency of the transport, thereby creating transparency and fairness in the process.</p> <p>Our network is suited to securely transport and access information in the process of transportation of goods and give governments the possibility to enforce rules on top of it in an automated way. This allows for new applications to be built on top of the network in the future.</p>

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NAME	Break Even
DOMAIN	Business Continuity
HEADQUARTERS	Sweden
TEAM MEMBERS	Sweden
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/break-even
DESCRIPTION	We are aware that businesses are suffering. Most of us want to support them but do not know exactly how. Break Even is a solution that creates an interface that could visualize exactly how much help a business needs in real-time. Customers then get a definite way to act and help the community to "break-even".
PROBLEM	<p>Due to the COVID-19 outbreak and social distancing measures that must be taken by all over the world, many small businesses like restaurants, cafeterias, parlours, bars,. Etc. are having a very difficult time keeping up their daily finances. The situation gets much worse when extreme virus 'suppression' measures being carried out in many countries around the world, namely, lockdowns, are enforced. The communities hear about these issues through media reports all over the country. There are many who want to contribute and help companies survive this pandemic. The local businesses do their best with innovative solutions as well. Many companies are providing virtual gift cards that can be used after the crisis is over. Online deliveries of products have increased exponentially in many communities. However, there is still a lack of awareness among the customers about the exact companies that are really struggling. Sadly, this uncertainty persists until the businesses are driven towards bankruptcy. Thus, there is a huge gap, which if filled can help the struggling businesses endure during these difficult times. Based on a survey conducted by the team with a response of over a hundred participants, 88% of them wish to support their local businesses but are unaware of a transparent way to do so.</p>
SOLUTION	<p>The team's main agenda is to provide open data to the consumers through the application which informs people of the best way for them to help businesses to survive the pandemic.</p> <p>We will do that by tracking each company's weekly results and displaying which companies need the most help from our users. The users in turn will see a list of nearby companies that are struggling and will be able to take action and help their local businesses.</p> <p>We are building a mobile application in React Native for both iOS and Android and we intend to create the whole infrastructure in AWS. For that we are planning on using AWS Amplify as a way to get started quickly through GraphQL APIs; AWS Lambdas for scenarios where we need more flexibility than Amplify; and of course our app authentication will be handled through AWS Cognito.</p>

NAME	BrightAct
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Sweden
TEAM MEMBERS	Sweden
MEMBERS	1-10
WEBSITE	https://www.brightact.org/
DEVPOST	https://devpost.com/software/brightact-fqibsh
DESCRIPTION	<p>Bright Act is an app to help victims of domestic violence. The app is streamlining the service already available in society by connecting governments, authorities, and help organizations with the victims. Support as a digital service.</p> <p>It makes data available for governments to work preventatively and to deliver resources where most effective. To save lives during and after COVID-19 and to make help efforts more accessible and more economically effective in the long run.</p>
PROBLEM	<p>Every year, approximately 3,500 deaths related to intimate partner violence occur in the 27 member states (excluding Croatia) of the European Union alone, according to a study from the DAPHNE EU programme.</p> <p>Based on extensive analysis of available data, the Council of Europe has estimated that the cost of violence against women amounts to an annual total of at least 33 billion euros across the Council's 47 member States, including the financial burden of intervention, policing, healthcare and other services.</p>
SOLUTION	<p>We are a tech provider for municipalities, governments and NGOs. Offering a unique platform for collaboration to support victims of domestic violence in a revolutionary way. We streamline the support and deliver statistics to be able to prevent and help more victims globally.</p> <p>We are bridging the gap in societal support with BrightAct. Giving the victims support chats from lawyers, support organizations & authorities. We offer storage of documentation and proof to be used in police investigation and in court.</p> <p>We also educate and inform the victims of their legal and human rights. A full set of support, everything offered by the society, in one application.</p> <p>We have a volunteer team of 35 professionally skilled people. We also have a domestic violence expert that is a part of the EWL advising the EU on this topic. We are collaborating with some of the biggest NGOs and organisations to go to market. Offering support globally. We are already getting international attention.</p>

NAME	Child Growth Monitor (by Welthungerhilfe)
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Canada, China, Germany, India, United States
MEMBERS	11-20
WEBSITE	https://childgrowthmonitor.org/
DEVPOST	https://devpost.com/software/childgrowthmonitor
DESCRIPTION	<p>Child Growth Monitor is a project by German NGO Welthungerhilfe</p> <p>Child Growth Monitor is a no-touch solution to measure and diagnose children for malnutrition.</p>
PROBLEM	<p>3.1m preventable child deaths are caused by malnutrition every year It is not easy to see, if a child is malnourished or not. So, children have to be measured. But traditional measurement methods are very unreliable. And traditional measurement methods require to touch the child</p> <p>In times of Covid-19, in most developing countries the measurement of children has been stopped. The medical crisis will be followed by a food security crisis. An estimated 30 million children are at risk of death from secondary health impacts of COVID-19.</p>
SOLUTION	<p>A tool like Child Growth Monitor will help safe childrens' lives.</p> <p>Child Growth Monitor beta is a mobile app that diagnoses malnutrition with a smartphone app (image data and AI). It is a no-touch solution to diagnose malnutrition, helping to measure children in times of Covid-19.</p>

NAME	Ciclogreen
DOMAIN	Health & Life Business Continuity
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	https://www.ciclogreen.com/
DEVPOST	https://devpost.com/software/ciclogreen
DESCRIPTION	Ciclogreen provides an online reward system (web + app) to promote and analyse sustainable mobility practices in companies, universities and city councils, helping them to reduce COVID19 contagions, boost their sustainable mobility plans, and reduce CO2 emissions/air pollution.
PROBLEM	<p>Air pollution kills 7 million people every year in the world. Decarbonising urban mobility is a pressing challenge for climate change and air pollution mitigation. In addition, we have specific problems due to the COVID19 outbreak:</p> <ul style="list-style-type: none"> - Crowded public transport increases the spread of COVID19. Alternative and safe means of transport need to be actively encouraged to allow safe commuting and ensure business continuity. - It has been found that the mortality rate of COVID19 is a 15% higher in cities which higher air pollution, specifically NO2 and PM particles produced by diesel-powered cars (BBC https://www.bbc.com/news/health-52351290). 78% of deaths across four countries were in most polluted regions (The Guardian https://bit.ly/2VFEjJz,). Sustainable, low-emission means of transport should be promoted to reduce air pollution and reach lower mortality rates. - Small, local businesses have had to close due to COVID19 and might not be able to overcome this crisis if they can't recover their customers. Incentives from our solution can be used to promote local shopping to increase the revenues of small businesses and ensure their business continuity.
SOLUTION	Ciclogreen allows companies and city councils to reward employees / citizens for using active and sustainable means of transport. Employees register their urban trips using our tracking app and are motivated thanks to gamification elements (ranking, points, Mobility Challenges). Ciclogreen boost shift to active and sustainable means of transport, provide calculations of CO2 emissions to companies and mobility patterns insights to city councils, helping them to design better infrastructures.

NAME	Co-llectif
DOMAIN	Social & Political Cohesion
HEADQUARTERS	France
TEAM MEMBERS	France
MEMBERS	1-10
WEBSITE	https://co-llectif.fr/
DEVPOST	https://devpost.com/software/co-llectif
	<p>Co-llectif is an intuitive, user-friendly marketplace that links volunteers with those in need of assistance. By doing so, people with medical risks will not have to leave their home and expose themselves or others to even greater risk. We at Co-llectif, create the missing link between those in need them and those who want to offer help. Co-llectif is a community where anyone can ask or offer help while empowering the local economy and taking care of their carbon footprint.</p> <p>Let's be Co-llectif.</p>
DESCRIPTION	<p>Learn more about us: bit.ly/co-llectif-pres</p>
PROBLEM	<p>==== Major - Medical risks ====</p> <p>We've all been unquestionably affected by the outbreak of COVID-19, especially those with underlying illnesses that pose a higher medical risk. They are fearing for their lives. Catching the virus could significantly reduce their life expectancy. However, they still need to perform their day-to-day tasks such as picking up medications, getting groceries... Those individuals that lack a social network or family support, sometimes feel burdened or afraid to ask neighbours, so they go outside and take the risk of exposing themselves, or others even further. Luckily, And that's unnecessary, because there are plenty of healthy people ready to help, ready to give their time and who are happy to do it.</p> <p>==== Major - Speed Up Paperwork ====</p> <p>Becoming a volunteer before the COVID-19 crisis was pretty hard to do. You had to complete your application and then wait for approval. Helping during the lockdown has been slightly easier because we helped our neighbours. Co-llectif helps to speed up this process by directly linking those in need to those who offer help. All in your own neighbourhood.</p> <p>==== Medium- Economy ====</p> <p>Due to the current economic crisis, nearly every European state has been placed under lockdown. The economy impact has been disastrous. Many local shops and restaurants may not recover. Co-llectif helps you to support your local suppliers with special offers and promotions.</p> <p>==== Medium - Environment ====</p> <p>The current priority is fighting COVID-19, yet we only have one planet Earth. We also have to look forward and stay aware of our carbon footprint. We offer options to help in a carbon-neutral way.</p>
SOLUTION	<p>==== Major - Medical Risks ====</p> <p>To tackle this issue, our solution supports people with medical risks by giving them a free tool to delegate their daily tasks to volunteers. Co-llectif is an intuitive progressive web app that links volunteers to those in need of assistance. The geolocation function will find and match those in</p>

need, volunteers and services within your local neighbourhood. People requiring help can ask for things like picking up medications, groceries or entertainment such as books, printed media, etc... In this way, they can safely get everything they need.

==== Major - Speed Up Paperwork ====

Now, helping out has never been easier! Sign-up, select your location, define your mission and there you go! You can now chat with those in need, better understand their requests and help out.

And for those who need help, it's the same, applying for help takes less than 5 minutes. it can be done for whatever you in need of, such as picking up groceries, medications or a parcel. Volunteers are notified immediately and can instantly accept your request. Alternatively, select a volunteer directly from the listing and reach out to him! It's that easy!

==== Medium - Economy ====

Local shops will need help to recover once the lockdown is over. We want to promote their activities now already and give them visibility. If the owner requests it, their shop and promotions will be highlighted on our live map and we'll encourage volunteers to carry out their errands there.

==== Medium - Environment ====

We want to give the planet a little boost as well. When a volunteer is about to embark on a mission, we will offer them a carbon-neutral way and how much of their carbon footprint is going to be reduced by using this.

==== Technical stack ====

Co-llectif is built using React, an open-source front-end framework. It's based on Firebase & Google Cloud services. Therefore, the solution runs serverless with offline supports and can be added to your home screen like any mobile app. We are using Material UI Component Library to speed up the development & Mapbox, a reliable & custom map visualiser to find & ask help. We are also using Elastic Search to perform accurate queries enhancing user experience.

NAME	Community Heroes
DOMAIN	Social & Political Cohesion
HEADQUARTERS	France
TEAM MEMBERS	France, Germany, Mexico, UK, Italy, Spain, Morocco, Cyprus, China
MEMBERS	1-10
WEBSITE	https://communityheroes.eu/
DEVPOST	https://devpost.com/software/community-exchange-incentivization
DESCRIPTION	<p>Community Heroes is an accessible matchmaking platform that facilitates hour-based exchange between community members, with the opportunity for public and private entities to build campaigns and reward community engagement.</p> <p>It started on initiative of innovation studio Scrypt and was developed by a team of international collaborators from 8+ countries.</p> <p>Our core focus is on accessibility, usability and trust, making our solution applicable and highly relevant in various global contexts.</p>
PROBLEM	<p>Covid-19 is affecting the whole world. Global confinements have affected more than 50% of the world population, with vulnerable populations like elderly, those with serious health conditions, and the poor unproportionally affected by the risks. Global unemployment rates are on the rise.</p> <p>At the same time we see a surge of support, and especially a re-focus on local communities. While there is a lot of motivation to help others, the physical distance makes it harder to identify opportunities and get active. The crisis has also shown a need to better recognize and reward our helpers and carers.</p> <p>Public and private entities dealing with the crisis need to find new ways to build trust and engage with communities, and we see cities like Milan or Paris using the lockdown to rethink public spaces and environmental footprint. In this context, we are answering the following key question: How can people within communities support each other, and jointly work towards a brighter future?</p>
SOLUTION	<p>An accessible matchmaking platform that facilitates hour-based exchange between community members, with the opportunity for public and private entities to build campaigns and reward community engagement.</p> <p>To improve accessibility especially for vulnerable community members, we will include voice-to-speech recognition, the possibility to add requests and communicate via SMS, and a "buddy" system that facilitates access especially for elderly, youth and community members without device access. Users (as well as non-profit organizations) can create profiles and requests for help. Matching of needs and help will be improved over time through Machine Learning, and takes into account various input factors based on voice and text recognition. This will also enable the possibility to create private requests without displaying them in the community feed.</p> <p>Once the match is found and a community member helps complete a task, the user can reward the helper by giving them "Hero Hours". The system is modeled on the concept of mutual credit, to encourage a mentality of paying it forward.</p> <p>All value exchanges between community members will be securely recorded through the application. For this part, we aim to integrate an existing Blockchain solution (the open-source Trustlines Protocol) for the</p>

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accounting logic and decentralized peer-to-peer value exchange.
How it works: Users automatically receive a credit line when they join the community, which they can use to give out Hero Hours when receiving help. But they can additionally choose to give a credit line to the community, and use this to start receiving Hero Hours when they offer their help.

Our gamification strategy is further helping to motivate users and incentivize behaviour that is beneficial for the community as a whole. Members can receive badges based on accumulating hours of support related to a specific activity (for example learning, education). Badges can also be specifically created around a campaign or certain event. To facilitate community interoperability (exchange with other communities), a user can choose their preferred community as a profile setting, but the solution allows for interoperability and exchange between communities as well.

We are further supporting sponsors with the creation of dedicated campaigns around specific activities, both in the application and via other channels, and we will generate reports and analytics based on anonymized user data.

NAME	Corazones against Covid19 - Impact Multiplier
DOMAIN	Business Continuity Digital Finance Other economy
HEADQUARTERS	Netherlands
TEAM MEMBERS	Dutch, Belgium, Greek, German, Canadian, French, Spanish, Italian, English
MEMBERS	21-50
WEBSITE	https://territories4resilience.eu/
DEVPOST	https://devpost.com/software/corazones-against-covid19-tech-to-increase-impact-of-money/
DESCRIPTION	<p>The Impact Multiplier fintech tool is developed and tested by the Social Trade Organisation (STRO), winner of the E-pay Innovation Award of the international payment industry in 2014.</p> <p>To involve regions STRO engaged in this endeavor with Alliance4Europe, dedicated to advancing civic engagement and fundamental rights.</p> <p>Presently a consortium of European regions and large cities, very much aware of the urgency of the recovery of economic activities, cooperates to get showcases up and running.</p>
PROBLEM	<p>The corona crisis might have as a side effect that world economy enters a crisis that might be deeper than The Great Depression, which could easily take more victims than the disease itself.</p> <p>SMEs are the core of each regional economy. They are being hit hard by the Covid19 crisis. Many of them are not allowed to operate or only partly (restaurants, shops, etc.) because of the lockdown in many European countries. Moreover, they face a serious drop of demand for their products because many people have or will lost their job so they spend less.</p> <p>National, regional and local governments all over Europe try to support their SMEs with state aid. However, they can only support a part of SMEs hit by the crisis and only for a limited period of time, because state debts already have increased to very high levels.</p> <p>The Impact Multiplier tool increase the impact of governmental expenditures. In the section “describe your solution” is explained how this tool works.</p>
SOLUTION	<p>The solution helps regional and local governments in Europe that do not have enough budget to help their SME’s to recover with a tool that increases the impact of their expenditures. STRO developed this Impact Multiplier tool within its payment software Cyclos. This is how it works:</p> <ul style="list-style-type: none"> - Regional governments open a special type of regional current account at a partner bank. - They request SMEs in their region also to open such an account. - Consumers can also open a regional account and spend with SMEs to support their regional business community. - Regional and local governments use these regional accounts to transfer (part of) their expenditures, for example, support funds to SMEs with regional accounts

- One of the special features of the regional account is that the technology takes care that money that enters will stay here for one year. Thus SMEs can spend money on their regional account only with other SMEs that have also a regional account. After one year, SMEs can spend the money everywhere.
- On the regional accounts a negative interest fee is charged. This incentivize SMEs to spend their money with other regional SMEs.

People and businesses will try to avoid paying negative interest as much as possible and spend rather now than tomorrow, increasing the number of times money is spent within a year within the region and thus multiplying the impact on the economy. This increases the chance that many businesses and people in the region will get the opportunity to earn and spend that money.

Also expenditures from EU and national governments could benefit of this tool when they transfer money to beneficiaries. Even with only a part of all these funds distributed through a regional account, this already could make a substantial contribution to the recovery of enterprises while also delivering additional tax income for governments.

In a somewhat different project, Cyclos user Sardex operating since 2009, reaches a multiplier between 6 and 12 times of mutual credit-based money, resulting in an annual additional income of 20,000 euro for the average SME. This makes a significant impact for the 5,000 SMEs participating in this dedicated payment system, adding up to 100 million Euros of additional income annually, and being responsible for 30% of overall regional economic growth on the island (source: <https://www.nouvelobs.com/economie/20161109.OBS0985/prix-du-meilleur-article-financier-le-sardex-une-petite-monnaie-qui-monte.html>)

The technology is ready and tested.

In a nutshell the theoretic backround behind this solution is the following: It is needed to prevent money getting hoarded now that interest rates are close to zero or negative and inflation rates are extremely low. Circulation has to be stimulated in order to allow local companies to earn money, especially those that do not receive support money. Therefore a negative interest rate of 1/30% per day is used, as long as regional companies are in need of additional sales. Through this fee participating SMEs pay provision over sales made, however, only as long as they choose to hold rather than spend their income at other local businesses participating in the network. The purpose of the introduction of this levy is to increase the multiplier of the money that enters into circulation, and subsequently the local GDP (according to Fisher's equation $MV = PT$, increasing the velocity of money (V) results in more local trade (T) in times of economic crisis, because then inflation / prices (P) won't increase).

NAME	CoroVent
DOMAIN	Health & Life
HEADQUARTERS	Czech Republic
TEAM MEMBERS	Czech Republic
MEMBERS	21-50
WEBSITE	https://www.corovent.com/
DEVPOST	https://devpost.com/software/corovent
DESCRIPTION	<p>CoroVent Ventilator was developed to meet demands of Covid patient needs & safety, along with the rigors of extended hospital use, satisfying all EU requirements for Covid-19 use, and a production capacity currently at hundreds of units per day.</p> <p>We bring together biomedical engineers with 25 years ventilator design experience, ICU doctors with hands-on Covid-19 knowledge, manufacturing experts to address parts supplies & production issues, and licensing professionals to navigate the complex international healthcare landscape.</p>
PROBLEM	<p>Analysts predict that 880,000 more ventilators will be needed globally to cope with the coronavirus outbreak.</p> <p>We knew that this would soon affect EU countries, and be a critical need for both actual respiratory use and in reserve equipment to ensure hospitals can plan ahead.</p> <p>CoroVent ups the lesser quality of open ventilator designs to a medically robust, safe & effective Ventilator focused on Covid-19 patient needs.</p>
SOLUTION	<p>In accordance with design principles for protective ventilation, all of CoroVent's basic ventilation parameters can be adjusted. There is currently one single ventilating mode implemented that was selected by Covid doctors as the best for their patients - volume-controlled pressure-limited ventilation. It is adjusted via a touch screen interface, especially designed with input from ICU doctors so they could easily understand it without need for extra training.</p>

NAME	Covid Genomics
DOMAIN	Health & Life
HEADQUARTERS	Poland
TEAM MEMBERS	Poland
MEMBERS	1-10
WEBSITE	https://sites.google.com/view/covidgenomics/
DEVPOST	https://devpost.com/software/covid-genomics
DESCRIPTION	We are analysing SARS-CoV-2 mutations in order to develop stochastic & ML models to predict future genome modifications. It will greatly increase the chance of constructing successful therapies and enhance COVID-19 genome tests
PROBLEM	Currently the virus is mutating quite heavily, but the good this is that in some genes (i.e. gene S) it is mutating not so much. With mathematical modelling and machine learning we will be able to foresee this changes and help to develop vaccine therapies targeted on genes that have lower probability of future mutations, same with genome tests.
SOLUTION	We based our current analysis on python and C++, we are building stochastic model using Markov chains and we are developing ML model to drastically upgrade our accuracy to predict future modifications.

NAME	COVID-HEAL
DOMAIN	Remote Working & Education
HEADQUARTERS	United States
TEAM MEMBERS	Belgium, Netherlands, Poland, Spain, Ukraine
MEMBERS	1-10
WEBSITE	covidheal.org
DEVPOST	https://devpost.com/software/covid-heal
DESCRIPTION	Our organization is based around three students who have worked together in the past to create learning opportunities in computer science for students. In this hackathon, we have turned our organization's attention towards creating a product that can help people stay healthy and informed during the COVID-19 pandemic.
PROBLEM	Our goal is to keep the population informed and healthy both mentally and physically. Specifically, we have targeted remote workers and the challenges they face.
SOLUTION	An all-in-one tool, COVID-HEAL reminds you every time you touch your face, will keep you updated to the latest news based on your location, and provide helpful tips and strategies to avoid corona. We have used Artificial Intelligence, APIs, frontend and backend technology such as Bootstrap and Node.js, and a control system to develop this solution.

NAME	COVID19 Smart Screening Tool
DOMAIN	Health & Life
HEADQUARTERS	Luxembourg
TEAM MEMBERS	Greece, Luxembourg
MEMBERS	1-10
WEBSITE	https://covid19smartscreeningtool.launchaco.com/
DEVPOST	https://devpost.com/software/compellio-ml-ai-for-covid19-targeted-testing-deconfinement
DESCRIPTION	<p>A risk assessment tool to enable targeted testing during deconfinement.</p> <p>The objective of the project is to roll-out a generalized, scalable, yet resource-optimized strategy for de-confinement with a combination of COVID-19 testing and surveying based on machine learning, blockchain, and artificial intelligence techniques. The result would be a risk-based approach for targeted COVID-19 testing that could be used in any de-confinement situation.</p> <p>Critical COVID19 Challenges - Why is smart screening & targeted testing important?</p> <p>Limited Testing Capacity Despite the fact that few countries have rolled out massive screening campaigns, most of the countries face critical shortages in terms of available tests and laboratory capacity. In the case of France, approximately 150,000 tests are performed on a weekly basis (currently targeting 500,000/week) while in Germany 500,000 tests are already performed per week. The massive testing explains both the high number of cases detected in Germany and particularly their low case fatality rate (0.3% in Germany, compared to 4% globally and 2.2 % in France) . According to the latest report from the modelling team at Imperial College London, published at the end of March, no less than 3% of the French population has already been contaminated by Covid-19. Or 2 million French people. A figure much higher than the 50,000 confirmed cases identified at the end of last month by the Directorate General of Health. This is a forty times (40x) difference between the confirmed cases and the potential spread of the disease in the population.</p> <p>Risky Deconfinement Strategies Protecting public health is the current primary issue for all EU countries. That said, policy makers need to find a balance between protecting the population against the pandemic and protecting the economy to limit the negative effects. Within that context, the return of the active population to their work is a primary issue and has to be addressed as soon as possible. As a solution to this challenge, EU countries are evaluating several de-confinement strategies that are primarily based on the broad use of COVID-19 tests. However, in most countries, only severe cases of the disease are tested which can lead to an underestimation of cases. In the transition towards elevating confinement measures, the lack of testing capacity could pose high risks in implementing a well-informed strategy for deconfinement.</p>
PROBLEM	
SOLUTION	Innovative technologies leveraging data science for risk assessment, machine learning, artificial intelligence and blockchain as the ones proposed in this project have

been already deployed on other domains in production at large scale to enable decision-makers to better manage risk and optimally allocate resources.

For instance, in the banking domain, in the context of consumer credit, credit scoring using machine learning algorithms is already enabling financial institutions to calculate risks of credit application based on the profiles of credit applicants. In the context of Covid-19, the project aims at building a risk model to calculate the risk of Covid-19 positiveness for any citizen, provided his/her answers to a questionnaire.

What does the tool include?

- Online survey developed by health experts. Fully anonymised data without registration of the respondent's IP address.
- Off-chain blockchain notarisation of survey data to ensure data quality, non-repudiation, and compliance with GDPR rules.
- AI/ML algorithm based on robust models developed in the context of credit scoring. Ongoing model performance monitoring for trustworthy results.
- Risk Scoring at EU NUTS-3 level. Ability to localise in multiple geographies.

The implementation of our solution comes in two phases as described below.

Phase 1: Data collection and modelling

- a) Design the questionnaire
- b) Collect medical and demographic data of a person when that person takes a test for Covid-19 using the questionnaire from step 1.a and securing data quality with blockchain in a GDPR compliant manner
- c) Link the test's outcome (Covid-19 positive or negative) to the data collected in step 1.b
- d) Build a machine learning model on data from step 1.c

More info about the model can be found here:

<https://www.slideshare.net/Compellio/covid19-smart-assessment-tool>

Phase 2: Deployment and general availability

- a) Use the model from step 1.d to generate a prediction of Covid-19 positiveness of any person
- b) Target Covid-19 tests for persons having a high likelihood of positive Covid-19 diagnosis
- c) Link the test result (Covid-19 positive or negative) to the prediction calculated in step 2.a

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d) Monitor model performance and fine-tune the machine learning model built in step 1.d

The project would be implemented in selected EU countries who are actively evaluating and implementing a deconfinement strategy. The project could be designed in an incremental approach so it could be implemented in the current COVID-19 de-confinement studies.

NAME	Covid19-Alert
DOMAIN	Health & Life Business Continuity
HEADQUARTERS	Belgium, Poland, Netherlands, Ukraine
TEAM MEMBERS	Belgium, Poland, Netherlands, Ukraine
MEMBERS	21-50
WEBSITE	https://www.covid19-alert.eu/
DEVPOST	https://devpost.com/software/covid19-alert
DESCRIPTION	Contact-tracing APP with medical diagnostics both for countries and private organizations.
PROBLEM	<p>People are meeting each other while not being aware they are infected and can contaminate. People can be contaminated in the places that an infected person visited a short time before.</p> <p>The virus distribution can be prevented by finding potentially contaminated people to be tested and possibly isolated.</p> <p>This APP in it's anonymous version can trace back the persons that a Covid19-patient has been in close proximity with during the past X days and inform them about potential risk.</p> <p>Personalized private version can be used within the Elderly homes, hospitals, care organizations/Companies, offices, construction sites/Supermarkets. can trace locations (spaces within the building) to analyze risk of same space usage within a short time of one after another.</p>
SOLUTION	<p>1. Anonymous voluntary contact tracing App based on Bluetooth advertising. Infection reporting confirmed by medical authorities initiates alerting other users being in close proximity of infected person. Proximity is measured on Bluetooth signal strength empowered by Ultrasounds distance measurement, increasing accuracy to reduce the false positives and false negatives.</p> <p>2. Personalised mandatory app for private company's usage based on contact tracing and iBeacon-based location tracking. Will allow to reveal potential risk of infection among patients, workers, shop customers that meet each other or use the same spaces during the working time.</p>

NAME	Crithink
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/reasoned-sharing
DESCRIPTION	<p>Our Mission Crithink aims at limiting the sharing of fake news, in order to keep our digital environments clean and safe for everyone. Crithink will introduce a new, safer, way to share contents on social media.</p> <p>Our Vision We acknowledge that the only way to reach our goals is to give people all the required tools to develop critical thinking and, in turn, critical sharing. If we want to defeat the fake news virus, we need to make people immune!</p> <p>Our Values Our values represent a solid base upon which Crithink lays and they represent the starting point of our project:</p> <ul style="list-style-type: none"> • Empowering people: as mentioned earlier, it is possible to defeat fake news giving people the power (and the associated responsibility) to question themselves about the veracity of the information they encounter. Social media users must now be aware of the dangers they expose their friends and family when sharing fake news. We strongly believe that empowered individuals will improve the overall quality of societies. • Social consciousness: we are conscious of how severe the social impact of fake news is, especially during the Covid-19 outbreak. Everyone deserves to be exposed to “good, true information” that will be the base of subsequent behaviors. We believe that Crithink will make people develop the required skills to evaluate and select the right sources of information. • Sharing good practices: our deep knowledge about fake news and the world of information has made it possible for us to develop good practices to spot and avoid fake news. Following our simple rules, people will find it easier to evaluate the information they encounter, limiting the spreading of and the exposure to fake news. • Value co-creation: limiting the spreading of fake news means also creating value for the society we are living in. No one is alone in this process of value creation. It starts with journalists who debunk fake news and ends with people who critically

	<p>evaluate the news and decide to share just the reliable, truthful pieces of information. Crithink is part of the network of contributors to the value co-creation process.</p>
<p>PROBLEM</p>	<p>The Internet has revolutionized the way people get in touch, work and get informed. Despite the Internet has brought many improvements in people’s lives, some drawbacks need to be considered. One of such drawbacks is the spreading of fake news. Fake news seems to be a “hot topic” nowadays and its consequences more severe during this period of the outbreak. As Covid-19, fake news is also a virus, maybe the most powerful virus in the world, that infests our lives. Fake news is not created “just for laugh” of “by someone who has nothing better to do”. It is created as part of a specific strategy of misleading people and causing harm. Fake news creators are encouraged to do this by revenues, of course. When people share fake news or click on the headline or visit a fake news website, fake news creators earn from clicks. Rather than developing super-technologic approaches aimed at automatically spot fake news, we focus on the vectors of this virus: people. The amount of information uploaded on the Internet every day is huge, making it very hard for fake news detection algorithms and fact-checkers to evaluate the veracity of each news. It is clear that we cannot just rely on them to stop the spreading of fake news, actually, we need a complementary approach that focuses on people. After all, fake news exists mainly because there is someone that shares it. Recent research suggests that one of the main drivers of fake news sharing in the lack of critical thinking: people that are more willing to engage in critical thinking are less susceptible to fake news and less likely to share them. Therefore, together with debunking approaches, it is necessary to raise awareness of thinking critically before sharing contents on social media. Crithink is born from the union of two words: critical and thinking. This app is thought to stimulate your critical thinking before sharing news on your social networks, to keep our digital environments safe and limiting the spreading of fake news.</p>
<p>SOLUTION</p>	<p>Crithink is a mobile app that will be developed for both Android and IOS systems. Crithink helps in evaluating the information the user wants to share on social networks.</p> <p>Core functionality</p> <p>When the user reads an article he/she would like to share, it is possible to do it through the Crithink app. This will give users a context about:</p> <ol style="list-style-type: none"> 1. the source of the article (whether it is reliable or not). Often fake news websites are created with domains that recall legitimate sources of news. Domains like “abcnews.com.co”, are designed to mislead the reader giving a sense of legitimacy. Evaluating the source credibility is fundamental also because social networks blur the conceptualization of sources. For example, non-expert users could not be completely aware that the person who shares content (a friend) is not always the same person who actually wrote that information. Popularity indicators (number of likes, comments and sharing) concur in creating confusion as more popular stories are often thought to be true. That’s why, especially on social media, it is vital to evaluate the source of an article. The source will be

checked querying the WHOIS REST API and this will result in finding the name of the owner of the website who shared the news.

2. the content (it nudges people to read the entire article and evaluates the lexical correctness of the article). Fake news headlines are created to provoke and to make the reader feel strong (often negative) emotion to trigger sharing. Examples of fake news headlines include:

“BREAKING NEWS: Kim Jong Un has passed away!” or “Mass Vaccination for COVID-19

in Senegal was started yesterday and the first 7 CHILDREN who received it DIED on the

spot!”. Crithink asks the user whether he/she read the entire article, so nudging to do so.

Reading the entire article is important in that fake news often contains swear words, grammar

mistakes and poor vocabulary, making it easier to be distinguished from the style and

language adopted by legitimate sources of news. A scraper will obtain the string text of the news article and will evaluate its grammatical correctness through the LanguageTool API.

3. the artefacts in the article (it discovers whether the images present in the article have been

previously used in other contexts). Fake news is not just entirely fabricated stories, sometimes

such stories contain elements of truth (such as images, video or “scientific evidence”) which

are distorted to the point that they are not true anymore, in that context. For example, a video

showing a swarm of people outside an Aldi grocery store fighting to enter the store all at once, in Haarlem, The Netherlands. The video was not manipulated, but it had nothing to do with fake news. In fact, it was filmed

in Germany, in 2011. Therefore, Crithink nudges people also to pay attention to dates, sources of evidence and double-checking on other

websites if the same images or evidence are available. Images will be checked through querying a Provider API at first. Then, we plan to

develop an artificial neural network which can perform this activity automatically and with lower costs.

So, using the app, the user will still be able to share the content on social networks, but only after evaluating (helped by the app functionalities) the

afore-mentioned three important features of the article. Crithink will not limit the freedom of sharing the desired contents, but it will make social

media users simply more conscious of what they are going to share. In terms of impact on the time needed to conduct the process of verifying

the article, we estimate that the use of Crithink will take less than 1 minute to get the user ready for a more conscious sharing. We believe

that through our communication campaigns, our potential users will be educated enough about the dangers that sharing fake news could create,

therefore they will be willing to spend a few minutes more in evaluating the content they are going to share.

Supported social media

Crithink will be compatible for checking from and sharing on the most

popular social media platforms. These platforms include Facebook, Whatsapp, and Twitter. Further developments of the app will also include the possibility of checking contents from other platforms such as Instagram and Youtube.

Other functionalities

Crithink offers users also with other functionalities that will help in raising awareness about fake news. In particular, the other sections of the app will be:

- Guidelines: this section will include a step-by-step guide to spot fake news on social networks. It will also feature contents about what exactly fake news is and who the creators of fake news are.
- Debunked section: in this section, we will provide access to the latest debunked fake news by independent fact-checkers from all over the world. The debunked fake news will be organized into categories so users will easily find the topics they are interested in. Special attention will be given to Covid-related debunked fake news. From this section, users will be able to share the news on their social networks' profiles.
- Did you know?: this section will include curiosities and statistics about the fake news world.
- Games: this section will have the purpose of engaging the users more and make them learn by playing. Games will include "Spot the fake news" and "The fake news test" that will evaluate users' knowledge about fake news and misinformation. This section will be updated continuously so users will be able to check their progress over time.

NAME	Datafolio sas
DOMAIN	Digital Finance
HEADQUARTERS	France
TEAM MEMBERS	France, Italy
MEMBERS	1-10
WEBSITE	datafolio.io
DEVPOST	https://devpost.com/software/d3p
DESCRIPTION	Datafolio is a startup providing its users with cutting-edge services of prevention and protection of mobility risks. It is registered in France and EU as a service company & a wholesale insurance broker. Its MVP is a data collection software using smartphone & a risk prevention app providing risk mapping, a trip planning tool & an alerting tool. It includes a revolutionary instant protection scheme for mobility & health risks priced on risk exposure, under an insurance or a Peer to Peer model.
PROBLEM	<p>COVID19 crisis revealed lack of prevention and shortfalls in protection for large parts of population in EU. In particular, self-employed or unemployed persons faced huge economic difficulties during and following hospitalization, in addition to pain & fear, and their families are exposed to huge financial stress in case of death.</p> <p>No insurance is providing any significant relief or protection for the whole population and in particular for self-employed and unemployed, because of the size of the exposure and the still unknown factors of its dissemination.</p> <p>This results in frustration and loss of confidence in traditional protection systems. And opens up a window of opportunity for actual solidarity-based models applied at scale, such as Peer to Peer.</p>
SOLUTION	<p>The D3P solution Datafolio brings to the table - inspired by what has been implemented in China before and during the Covid crisis with Alipay and XiangHuBao - is a risk prevention app and a protection solution against financial consequences of getting hospitalized for Covid19, on a Peer to Peer model, using real-time data and a full digital platform.</p> <ol style="list-style-type: none"> 1. The risk prevention app allows each user to know what is his risk exposure, hence generating an incentive for responsible behavior. 2. The protection product provides for a daily indemnity in case of hospitalization, a single payment in case of admission in intensive care unit and a death payment, together with assistance services which are always needed in such circumstances. 3. The protection is based on a Peer to Peer platform designed for sharing risks amongst members forming a community. The mechanism is ruled by smart contracts subscribed by community members. 4. Risk exposure measurement is based on real time data collection associated with historical data and services are available on a full digital platform allowing subscription, community rules management and claim filing.

NAME	DataNest Ventures
DOMAIN	Health & Life
HEADQUARTERS	India
TEAM MEMBERS	Germany, India
MEMBERS	11-20
WEBSITE	https://covihack.pythonanywhere.com
DEVPOST	https://devpost.com/software/covifight
DESCRIPTION	<p>CoviFight showcases how the integration of Bluetooth with social networking analysis and UX design can make contact tracing highly effective and ensures that the world in the post-COVID-19 era, comes to a working state of normalcy as early as possible.</p> <p>CoviFight is not just a contact tracing application. It is a 3-tier solution which:-</p> <ul style="list-style-type: none"> • Alerts the users the risks of catching the virus if they have come in contact with an infected person within the past three weeks. • Identifies the public place or the transport mode, be it a bus, a metro, or a McDonald's restaurant, that needs sterilization. No other app in the world is capable of doing so. • It informs the medical system accurately about the spread of infection. The medical system rather than individuals handle data, and authenticity is maintained. • It generates a map with hotspots for what places have virus traces so that people can prevent travelling at these places and authorities can sterilize or lockdown these places efficiently rather than having a complete lockdown of a country.
PROBLEM	<p>The virus has affected humanity in various ways, be it our economy, our freedom of movement, and the loss of loved ones. Then how do we live on, comfortably, and safely with this virus around? According to the statistical analysis provided by various sources, Covid-19 has a huge chance of surging high in the winters. Even after the lockdown is over, there is a massive possibility that traces of the virus will remain, and it can spread again. We wanted to bring people back their mobility and keep them safe at the same time. We wanted people to know about their status while they leave their houses.</p>
SOLUTION	<p>We have developed a three-tier solution to counter the current Covid-19 pandemic:-</p> <ul style="list-style-type: none"> • Alerts the users the risks of catching the virus if they have come in contact with an infected person within the past three weeks. • Identifies the public place or the transport mode, be it a bus, a metro, or a McDonald's restaurant, that needs sterilization. No other app in the world is capable of doing so. • It informs the medical system accurately about the spread of infection. The medical system rather than individuals handle data, and authenticity

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is maintained.

- It generates a map with hotspots for what places have virus traces so that people can prevent travelling at these places and authorities can sterilize or lockdown these places efficiently rather than having a complete lockdown of a country.

NAME	Dattum
DOMAIN	Health & Life
HEADQUARTERS	Romania
TEAM MEMBERS	Romania, Germany, France, Switzerland, Italy, Spain, India, USA, Colombia, Latvia, United Kingdom, New Zealand, Turkey, Greece
MEMBERS	21-50
WEBSITE	https://www.dattum.ai/
DEVPOST	https://devpost.com/software/dattum
DESCRIPTION	Dattum is a global collaborative ecosystem that facilitates the sourcing of trusted COVID19 data from hospitals around the world. Dattum's current focus is to leverage high granularity data and provide heterogeneous analytics for: treatment schemes, medical experiments, vaccine evolution.
PROBLEM	The global healthcare environment is complicated and fragmented. Exchanging data is very slow due to bureaucracy and inefficiencies which makes reacting to a pandemic in a timely manner very difficult. Researchers and healthcare organizations lose precious time before they can react to the virus evolution in order to find contextual treatment schemes and benefit from new discoveries. While the situation is worsening, uncorrelated strategies lead to repeated mistakes and long propagation times.
SOLUTION	<p>Dattum is using dynamic ontology models to build an international data structure for healthcare. The solution is being gradually developed jointly with physicians and medical practitioners to match the flexibility and interoperability needs of a global framework.</p> <p>The platform displays relevant and critical analytics, such as correlations, contextual importance factors and virus mutation predictions. Using this data, physicians receive access to a global view of the pandemic and are able to adjust their treatments in real time.</p> <p>The technology behind Dattum includes:</p> <ul style="list-style-type: none">- GDPR-compliant data storage using Hyperledger Fabric- Scalable and secure processing environment deployed on Amazon Hybrid Cloud- Enterprise-ready intelligence engine integrated with OpenFabric AI

NAME	DCbrain
DOMAIN	Business Continuity
HEADQUARTERS	France
TEAM MEMBERS	France
MEMBERS	21-50
WEBSITE	www.dcbrian.com
DEVPOST	https://devpost.com/software/deal-with-aleas-save-lives
DESCRIPTION	<p>DCbrain is a European AI B2B SaaS solution for energies or supply chain operators struggle in managing daily thousand of trucks, buildings or energy flows. DCbrain is 5years old.</p> <p>We have developed Intelligent Network Solution (INeS), a tool that understands, predicts and optimizes networks, in real time. Our solution is used by tier1 companies</p>
PROBLEM	<ul style="list-style-type: none"> - Covid-19 crisis puts supply chain upside-down by introducing several unexpected types of hazards : border closing, warehouse restriction, lack of transport capacity, suppliers failure ... - Supply chains are the backbone of physical society. People won't heal, industries won't recover, economies won't raise up if we don't fix supply chains ! - Supply chains and those unexpected hazards make a far to complex system to be fixed only by humans - Demand forecast is just the first step. It doesn't tell you how to operate your supply chain to respond to that demand when everything is broken.
SOLUTION	<p>We already provide our customers our smart SaaS solution that</p> <ul style="list-style-type: none"> - Help them to collaborate remotely, anticipate and optimize their supply chain, daily - With a beautiful and dynamic web interface to collaborate and to share data's, status and decisions with all the stakeholders - Thanks to our super-fast converging algorithms (within minutes compares to hours) enabling real time operational use (works for strategic decisions too) - Our technology is multiple award winning and comes from a 5 years R&D team effort. We use an hybridation of deep learning, graph theory, time series modelling and operational research. <p>We want to use our unique solution to show that it's possible to find the optimal way to drive the supply chains under Covid-19 constraints, by anticipating the impact of these hazards. On a daily or weekly basis</p>

NAME	Deeprojects UG (Team HomeNurse)
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Germany, Belgium, India
MEMBERS	1-10
WEBSITE	https://praxisconcierge.de
DEVPOST	https://devpost.com/software/voicebot-for-ongoing-assistance-to-covid-19-patients
DESCRIPTION	<p>We believe that digitalising health care doesn't mean more technology and automation, but more human care and personalisation. Our digital solutions focus on the needs of doctors and patients alike to improve the efficiency and quality of personal care. In particular, we automate typical phone services in clinics and hospitals like appointment scheduling, repeat prescriptions, anamnesis of symptoms and continued monitoring of symptoms over the phone. For the healthcare of today and tomorrow.</p>
PROBLEM	<p>The onset of the Covid-19 infection and the resulting pressure on the healthcare systems in European countries have exposed severe efficiency shortcomings in existing procedures, especially in patient-facing administrative processes and the burden they impose on the medical personnel.</p> <p>In a situation of shortage of skilled personnel, clinics, hospitals and local health ministries struggle to maintain an optimal level of caregiving to their patients by triaging patient requests according to urgency and criticality. The continued monitoring of outstation patients is practically not possible.</p> <p>Patients on the other hand face long waiting times to place their requests for regular needs like appointment scheduling, repeat prescriptions or advice on a basic anamnesis.</p>
SOLUTION	<p>We develop digital solutions that automate the processing of typical patient requests on the phone lines of clinics, hospitals and local health ministries. These include appointment scheduling, requests for repeat prescriptions and an anamnesis of symptoms before the actual appointment.</p> <p>With our project HomeNurse, we offer a system to create and monitor individual track records of Covid-19 specific symptoms. This system can be operated from a hospital or local health ministry where medical personnel oversees the incoming anamnesis results and tracks the individual disease cycles for an effective triage - and to take immediate action.</p> <p>Technically, our solutions leverage recent breakthroughs in the fields of Artificial Intelligence (AI) and automated Natural Language Processing (NLP) like text-to-speech language generation and speech-to-text language recognition techniques.</p> <p>For the phone services, we use the technology of SIP servers to connect public telephone networks with contents generated by server sessions.</p>

NAME	Digital Stage
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Germany
TEAM MEMBERS	
MEMBERS	51-100
WEBSITE	digital-stage.org/?lang=en
DEVPOST	https://devpost.com/software/id0265-auffuhrung-ohne-versammlung-025-kultur-air-z206
DESCRIPTION	Digital stage is developing an online av-conference service for art-music- and theatre ensembles, to rehearse and perform online without the need to meet in a production space
PROBLEM	Digital stage is developing an online av-conference service for art-music- and theatre ensembles, to rehearse and perform online without the need to meet in a production space
SOLUTION	1) browser based solution 2) local app 3) hardware solution

NAME	Donescu
DOMAIN	Digital Finance
HEADQUARTERS	Romania
TEAM MEMBERS	Romania
MEMBERS	1-10
WEBSITE	xd.adobe.com
DEVPOST	https://devpost.com/software/le-team
DESCRIPTION	Our vision is to be EU's trusted and transparent crowdfunding-marketplace focused on healthcare equipment.
PROBLEM	<p>Many developing country hospitals lack the functional medical equipment they require to: diagnose, monitor, treat and rehabilitate patients and protect themselves. Local authorities are overwhelmed or caught unprepared and the hospitals need more structured support to overcome the day to day challenges.</p> <p>Several NGO's, private companies and citizens concerned with the above situation started donating. What looked like a simple donation process it turned out to be more complicated:</p> <ul style="list-style-type: none"> - Direct donations in cash do not help hospitals much, especially under crisis situations, as medical acquisitions need to pass through the public acquisition system that has payment terms that can prolong the acquisition process up to 60 days. - Moreover, medical equipment suppliers requested advance payments of up to 50% of the total value of the invoice. - Lacking a detailed and updated list of equipment necessities, Hospital representatives were overwhelmed via phone calls by different NGOs and potential donors - Time inefficiencies were signaled as the same request coming from different donors overwhelmed contact points of the healthcare buildings - Some hospitals (in front line) received more than necessary while other local hospitals or public medical doctors have been confronted with serious lack of medical equipment - Hospitals have their lists of preferred suppliers but they ran out of stock quickly. Meanwhile, new suppliers appeared on the market: e.g. fashion companies started producing masks and kombinezons; local companies started making visors. All of these new suppliers were unknown before. - If a donor intended to buy medical supplies (masks, viziers, kombinezons) from the market, in order to donate them to hospitals, it either did not know the suppliers or was faced with possible scammers selling fake products - Some hospitals, have stock excess of medical equipment while other public hospitals were struggling with huge deficits - Donors did not have any certainty that their donation is well placed and it is not used for different purposes than their intention
SOLUTION	A hybrid end-to-end marketplace/crowdfunding solution. The developed solution has the intention to smooth the donation process, make it fully transparent and facilitate the matchmaking of hospital equipment needs to the local suppliers, all in a user-friendly way.

NAME	DONO
DOMAIN	Digital Finance
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	https://www.dono.eu
DEVPOST	https://devpost.com/software/dono-4e563v
DESCRIPTION	<p>Dono aims to bring the donors and the non-profit charity organizations together.</p> <p>In order to do so, Dono offers a way to make donations accessible, cost effective, visible, and encouraged.</p> <p>The first tool is a physical gift card available in stores that donors will easily find.</p> <p>The second tool is a web platform that holds all the key information of non-profit charity organizations structured a user-friendly way.</p>
PROBLEM	<p>Non-profit charity organizations are very important in today's society. However, due to the COVID-19, a new economic recession is coming. This will in all probability reduce the donations to these necessary organizations in a moment when they are more needed for funds than ever.</p> <p>We are developing a project that will help non-profit charity organizations to maintain their income stream in this emergency situation, and that will be useful for organizations of all sizes in the future.</p> <p>To this day it surprises us that there is not yet an existing charity gift card. Additionally, there is a lack for a good internet platform that provides useful information for regional and international non-profit charity organizations, aside from regular directories or newspaper articles.</p>
SOLUTION	<p>We are developing two products that are necessary to each other:</p> <p>Dono's charity gift card. we intend to produce gift cards that will be obtainable in retail stores, next to the existing gift cards from lots of other companies. Also, we understand the current need of staying at home in this period, so we will offer gift card online as well.</p> <p>Our website platform. This is the place where the user will be able to redeem and use the card in the organizations of their choice. Here all non-profit charity organizations will have access to a dedicated page they can fill with useful information, and will have access to the visibility the website will offer.</p> <p>We believe that sharing is important. When sales of the gift card increase, more people will find it a meaningful present to make to your loved ones, proving the gift card to be a great alternative to regular presents.</p> <p>We would like to let people know that there is a way in which you can show your support to someone you care, by allowing them to help the non-profit charity organizations of their choice and leaving a positive footprint on society.</p>

NAME	Dubio (previously FakeMash)
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Belgium
TEAM MEMBERS	Belgium, USA, Canada, UK, Germany, Poland, Israel, Venezuela
MEMBERS	1-10
WEBSITE	https://devpost.com/software/community-driven-platform-for-identifying-fake-news
DEVPOST	https://devpost.com/software/community-driven-platform-for-identifying-fake-news
DESCRIPTION	<p>Dubio is a community-driven platform for identifying fake news, where anyone can contribute to tackling misinformation! The platform will:</p> <p>a) allow us to vastly expand efforts / personnel available for identifying fake news, thereby ensuring that such content is flagged quickly, before gaining widespread traction; b) ensure this effort is carried out worldwide and in all languages.</p> <p>We use benchmark data from professional fact checkers to ensure our users' content classification is reliable.</p>
PROBLEM	<p>The current influx of corona-related fake news is unprecedented in terms of how widespread such content is being shared (geographically) and in terms of the real harm it is causing, right now, to real people and communities all over the world.</p> <p>There are many potential strategies for tackling fake news, but before any other action can be taken, step 1. is identifying fake news.</p> <p>Current approaches for identifying fake news rely mainly on teams of professional fact checkers. The problem is:</p> <ul style="list-style-type: none"> - these teams can't cope with the huge influx of fake news - meaning a lot of content is gaining traction before being flagged - these teams are typically based in only a handful of (highly developed) countries and can only check content in a limited number of languages <p>Dubio addresses these issues.</p>
SOLUTION	<p>Dubio works as follows:</p> <ol style="list-style-type: none"> 1. Users sign up to the platform, and indicate what "categories" of fake news they want to review (coronavirus, climate change, ...) and the languages in which they want to review content. 2. Users are taken to the platform's Fact Check page, where they receive a short interactive tutorial, and can select their first online content to review. The content which we offer to the user to review, is determined by existing Machine Learning algorithms for identifying "suspicious content" (ML algorithms are already good at flagging suspicious content, but not as good as humans at accurately determining whether content is in fact fake news). 3. After taking their time to read and fact check the content, they decide whether the content should be classified as "Legitimate", "Satire",

“Misleading” or “Fake News”.

4. Their submission is added to our database, and the user can pick the next content to review. Unbeknownst to the user, some content which he/she reviews has already been fact checked by a professional fact checker. This is “Benchmark Content” which is used to determine the user’s “Reliability Score” (based on how well their content classifications correlate with the content classifications chosen by professional fact checkers). As such, the intention is _ not _ to let users “democratically decide” what content should or shouldn’t be considered as fake news, since this would lead to community bias, and would expose the platform to trolls wanting to ‘game’ the system. Rather, the intention is for the platform to serve as an extension / amplification of the work already being carried out by professional fact checkers.

5. Once different users have reviewed the same article, their classifications are accumulated. Based on each user’s Reliability Score, and on the variance between various users’ responses, our algorithm determines whether we have enough reliable reviews to give the content its final classification. If so, it is moved to the final content database, and will no longer be shown to users to review.

That is Dubio's core functionality. Additional platform features include:

- Gamification: users can climb the leaderboards, obtain badges for different achievements, make teams, unlock new features as they progress, ...
- Allowing users to submit “new” fake news content which they have found.
- A Platform Metrics page where users can see how they rank compared to other users, and see what the platform has accomplished so far.
- A Community Resources page which users can use to improve their fact-checking skills.

NAME	Dynamic Row Srl
DOMAIN	Remote Working & Education
HEADQUARTERS	Italy
TEAM MEMBERS	Italy, Portugal
MEMBERS	1-10
WEBSITE	www.dynamicrow.eu
DEVPOST	https://devpost.com/software/dynamic-w3a0hg
DESCRIPTION	Dynamic row srl is an innovative start-up born to develop the Dynamic row web-app, the first web-app able to manage the space in a laboratory and in all university locations. This software allows to manage the flow of staff and students inside university departments, libraries, museums. It can also be used in public offices, schools, small industries and retails.
PROBLEM	<p>Dynamic intends to respond to the emergency needs during Coronavirus infection in the world. SARS-CoV-2 is a Coronavirus which passed from animals to the human. The peculiarity of this virus is that it is new to the human being and the human does not have defenses against it. The only way to reduce the number of infections is to maintain distances and to avoid overcrowding.</p> <p>Dynamic offers a simple and very cheap way to create a virtual and dynamic row, managing the space inside the rooms to better organize profit exams, frequency of traineeships and research laboratories at university locations. A dynamic management of the queue avoids an enormous waste of time for teachers, students, operators and crowd forming outside the Department or the classrooms. During emergency, Dynamic can be also optimized to manage spaces inside public offices, congresses, conference sites, cinemas, industries, private laboratories, small enterprises and even schools. This app will be useful not only during Covid-19 Emergency, but will be very useful to manage university life also in the future.</p>
SOLUTION	<p>Dynamic row is the first web-app able to manage the space in a laboratory and in all university locations. With this software Universities can easily manage staff and student flow inside university Departments, Libraries, Museums and others.</p> <p>The user just needs a mobile phone or a tablet, to book in advance his space in the laboratory or in the class-room or the museum or in the other common spaces shared by the university staff or students. After booking, he will have his workstation in a lab or place in a classroom assigned. When it is his turn, a push message will tell him that he can get inside and he just needs to frame the QR code of the room with his device and Dynamic will tell him if he can enter or not. If the room is free, an user who frame the entrance QR code with his mobile phone will be allowed to enter, and anyway remotely people can be advised when the lab or room is empty or a workstation is free.</p> <p>On the other side, the manager of the room can create a virtual class-room or lab and will decide how many people can work together safely considering distances required during Covid-19 Emergency. Moreover, he will decide which other individual protection devices the user will have to wear before entering the room, and Dynamic will advise the user to wear them. When the manager creates a virtual room Dynamic will create two QR codes (one for entrance and one for exit) to print on a sheet of paper and stick on the entrance and the exit doors. Booking will be organized into schedules, with a time interval between one user and</p>

the other decided by the manager of the room.

In this manner the number of users is limited to the one established by the room manager, and the person who needs to use that room knows when it is his turn without waste of time. So Dynamic will organize the work of the user and the manager, making simple the work for both of them.

This system will create virtual classrooms and laboratories (within which a certain number of people will be inserted by the app, using emergency criteria) and a dynamic virtual row for people who have to enter a classroom.

In the case of research laboratories, and in particular in the case of laboratories dedicated to particular techniques such as cell culture rooms, the laboratory manager will create a virtual laboratory in which he will decide how many operators can enter and when, leaving outside who wait to enter to carry out his experiments.

In the first version of the app we have designed a pre-ordered distribution of students with pre-established intervals, but we will add the possibility to organize the queue dynamically during the day of interest referring to the geo-localization of the student. The last feature will avoid crowds outside university departments and in the streets and will reduce the waiting time. Ideally, if a user takes less time to perform his task, the room will be available again immediately without waiting for the whole set period of time.

In order to protect user's data and privacy, the app automatically will ask for runs only on a voluntary basis consent of user to collect data and , is designed to offer to registered users functions of management and access to public and private spaces in the different phases of the emergency, with a limited impact on the protection of personal data, thanks to a dynamic application of the principles of *privacy by design* and *by default* (e.g. minimization of data processing and pseudonymization of personal data, transparency and control by the user).

All personal data relating to the operations carried out by the user using the platform, in particular the history of data relating to the use of a given space, are kept exclusively for the time necessary to pursue the purpose of coordinating the flow of users according to availability of each chosen time window. Only anonymized data are kept by Dynamic exclusively for the carrying out of processing activities, also in aggregate form (but which do not in any case lead to the identifiability of natural persons), for scientific or statistical purposes (e.g. calculation of the number of accesses in one space in a week, overcrowding peaks etc.).

NAME	Each&Other
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Ireland
TEAM MEMBERS	Ireland
MEMBERS	11-20
WEBSITE	eachandother.com
DEVPOST	https://devpost.com/software/each-covi19#updates
DESCRIPTION	<p>Cards of Kindness, by Each&Other Cards of Kindness lets you send a postcard to front-line heroes, who in turn can spread delight to their loved ones. The spread of joy is visualized by the system, a very different form of contagion.</p> <p>Each&Other are an Irish UX design agency, we specialize in solving real life problems, we make the complex simple. COVID-19 represents a huge challenge to humanity, we're going to overcome a little bit of that pain for real people.</p> <p>4 of our 15-strong team partook in the EU vs Virus Hackathon.</p>
PROBLEM	<p>We've spotted an opportunity to bring unexpected moments of joy to both front line heroes and socially isolated people in the community, thus relieving some of the emotional strain during this pandemic.</p>
SOLUTION	<p>Cards of Kindness allows anyone to show their appreciation of frontline heroes, not at a broad general level, but at an individual level, by having a real postcard mailed directly to them at work. These unexpected moments of joy would bring a moment of relief during times of incredible mental strain.</p> <p>At the heart of it is an online platform that generates customized postcards, that via an API is printed with prepaid postage & enters the postal system to be delivered.</p> <p>Solution wise, once the platform is up & running, variations & white label flavors of it can be created with minimal effort. Ongoing costs are low. Global scalability possible given the right printer partnerships.</p>

NAME	EffiScienc-y :: Batch testing as a weapon to fight COVID-19
DOMAIN	Business Continuity
HEADQUARTERS	Portugal
TEAM MEMBERS	France, Portugal, United Kingdom
MEMBERS	1-10
WEBSITE	http://effiscienc-y.azurewebsites.net/
DEVPOST	https://devpost.com/software/effiscienc-y
DESCRIPTION	<p>We want to help countries ramp up their testing capacity through the use of batch testing!</p> <p>Until a vaccine is widely available to the general public or herd immunity is achieved, mass testing is key to come out of the current situation and resources are scarce.</p> <p>As a not-for-profit, social project we aim at providing a free, open-access web application that enables authorities, labs and other health decision-makers to easily apply batch testing techniques.</p> <p>Check out our prototype!</p>
PROBLEM	<p>Ramp up testing capacities for countries around the world through the use of batch testing. As an example, if we want to increase testing efficiency we can collect several swab samples and create a group-sample by mixing the individual samples and run a single test on the group-sample. The key aspect is how to define this number of samples to combine.</p>
SOLUTION	<p>To promote efficient use of resources we developed a mathematical model and implemented this as a web-based working prototype. With this "calculator" authorities, labs and other health decision-makers can easily apply batch testing techniques.</p> <p>Main features of our web application: Compute infection probability given the latest daily testing data (number of tests made and number of positive results); Estimate region-specific ideal batch size given the local input data (population and infection probability); Display and compare the number of tests required for traditional testing and batch testing.</p> <p>How we built it: Backend: .NET and C# to program the back logic with ASP.NET Web Forms Frontend: HTML and JavaScript were used to properly display the website Hosted: MS Azure cloud services were used to deploy the website.</p>

NAME	Eggup
DOMAIN	Remote Working & Education
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	https://www.eggup.co/
DEVPOST	https://devpost.com/software/stayhome-staysmart
DESCRIPTION	Eggup is an innovative SME operating in the HR-Tech Industry. We help companies leverage individual and teams' Soft Skills in order to develop the potential of their resources thanks to HR Analytics.
PROBLEM	The Coronavirus pandemic is leading to a series of anxieties and fears, which generate stress in those who are forced to quarantine and social distancing. Neil Greenberg, Professor of "defense of mental health" of the Institute of Psychiatry, Psychology & Neuroscience of King's College London, says that: "Quarantine could create frustration and distress in people, but no long-term difficulties, especially if it is managed well".
SOLUTION	<p>SmartCoach4Resilience is a tool created to help people deal with quarantine stress and plan a routine. We designed it to help people engage in a personal growth routine scheme to better face stressful situations and the new remote working scenario. Step1: Take the test and receive your profile; Step2: Wait to receive personalized suggestions; Step3: Make use of the content in order to strengthen your resilience.</p> <p>Thanks to our Knowledge Base of 5000 contents and 3600 questions for unlimited combinations of tests, we are able to lead people towards the achievement of a new comfort zone with a level of preparation more suitable for dealing with working remotely. According to the results of a personality test (that we developed during this hackathon), we profile people in order to recommend the most suitable self development suggestions and content to each person. It works in a very simple way. The remote workers, who are our target audience, complete the test and wait for 4 emails which contain suggestions such as personalized messages, life hacks and contents like Ted Talks, Books, Movies and Songs. In these emails, one every two days, we will guide people towards finding a new routine and reducing stress.</p>

NAME	Enforce
DOMAIN	Digital Finance
HEADQUARTERS	Greece
TEAM MEMBERS	Greece
MEMBERS	1-10
WEBSITE	https://kostismatzorakis.wixsite.com/mysite
DEVPOST	https://devpost.com/software/european-covid19-insurance-platform
DESCRIPTION	Covers all symptomatic citizens regardless of their age or chronic diseases with an affordable premium, helping the society in the effort against Covid19. Also, can be really profitable for investors.
PROBLEM	we cover, via immediate insurance, symptomatic to Covid 19 citizens, in the private sector, regardless their age or chronic diseases.
SOLUTION	We are using probability and statistics in order to calculate the probability someone, with specific age and symptoms, to be hospitalized with Covid19. The technology behind is very basic, a kind of questionnaire should be filled from the symptomatic person with his/her name, email, age and symptoms and after that we calculate the corresponding probability and expected cost of being hospitalized in a private hospital and finally we return to him/her a proposed premium that is very affordable for all symptomatic people.

NAME	Exponential Technologies Ltd (xT BioE)
DOMAIN	Health & Life
HEADQUARTERS	Latvia
TEAM MEMBERS	Latvia, United Kingdom, Netherlands
MEMBERS	1-10
WEBSITE	www.x-t.ai
DEVPOST	https://devpost.com/software/xt-bioe-3noifp
DESCRIPTION	<p>The next generation of research enabling software.</p> <p>Our AI-driven Design of Experiment (DoE) software allows users to conduct successful experiments and data analysis faster and easier than ever before.</p> <p>Find machine parameters and material composition and many other parameter types without the need of statistical knowledge. xT smart DoE can be applied in a wide range of industrial applications, like additive manufacturing, chemical manufacturing, biotech and many more.</p>
PROBLEM	<p>6 months from now, when the first vaccines for COVID-19 are tested and approved, the fight is not over. It can take up to 12 months for the vaccine production to reach full capacity and produce the required 1-2 billion doses of the vaccine. Already now, the antibody tests need reagents produced by bioreactors and the global production is by far not at its maximum. We can reduce the time for the production scaling from months to weeks and save tens of thousands of lives.</p>
SOLUTION	<p>xT BioE uses Design of Experiments techniques combined with unique, small data AI algorithms to help optimize bioreactors and other machine and mixture recipes, e.g. for the nutrition mixture used in a bioreactor. Additionally, we use a technique called data synthesis that helps to build new processes on data of existing processes, which allows the faster scaling between bioreactors of different size.</p> <p>xT BioE is a customized solution for the use with bioreactors of our existing software xT smart_DoE. xT smart_DoE has many more applications in additive manufacturing, specialty chemistry, biotech and more.</p>

NAME	FutureUp Lab
DOMAIN	Remote Working & Education
HEADQUARTERS	Denmark
TEAM MEMBERS	Denmark
MEMBERS	1-10
WEBSITE	https://www.futureuplab.com/
DEVPOST	https://devpost.com/software/futureup-lab-mindset-development-coaching-for-educators-13b4qu#updates
DESCRIPTION	<p>FutureUp Lab empowers teachers with personal development tools and coaching, to help students thrive during difficult times.</p> <p>Founded on ideas from a multi-disciplinary team of experts in innovation, self-development and EdTech start-ups, the team behind FutureUp Lab deeply believes in the power of experiments, iterations and incremental learning.</p>
PROBLEM	<p>In a nutshell: Teachers' mental well-being is at stake. The Covid-19 situation is adding even more pressure and stress, teachers' time for mindset and self-development is very limited and the current offering is scattered across many platforms and usually takes long hours or weeks to complete.</p> <ol style="list-style-type: none"> 1. Teachers' mental well-being is currently at stake: 90 million teachers globally are disrupted from attending school and have to teach remotely. This adds extra stress, pressure and uncertainty. 2. Teachers' time is scarce - and time for mindset and self-development is very limited: They often are also parents; they have to attend to their students while taking care of their own kids. 3. Current personal/professional development solutions for teachers, that could help them keep control of mental well-being and navigate the current situation are proving challenging: <ul style="list-style-type: none"> - The offer is scattered across a wide variety of platforms; formats and lengths prove inconvenient; - They lack customizable tools - Lack of effective peer-coaching/learning loops
SOLUTION	<ol style="list-style-type: none"> 1. A mindset development platform that empowers teachers to be proactive and take control instantly, providing: <ul style="list-style-type: none"> - Bite-sized content that can be done in minutes (not hours or weeks) - Customizable cheat-sheets that help teachers apply knowledge instantly - Email-based coaching, to help them customize their own experimental learning journey – designed using adult learning theory, agile development principles and innovation-inspired experimentation loops 2. Curated micro-courses that specifically enable teachers to take control of their mental well-being during difficult times, while helping their students thrive: 3. A peer-coaching and learning community where teachers can support each other and share their learnings and tips, both within same school and across other schools in the country

NAME	VideoWiki
DOMAIN	Business Continuity Remote Working & Education
HEADQUARTERS	Portugal, Turkey, Ukraine, India
TEAM MEMBERS	Portuguese, Indian, turkish, ukrainian
MEMBERS	1-10
WEBSITE	https://videowiki.pt/
DEVPOST	https://devpost.com/software/ed4you
DESCRIPTION	<p>A collaborative platform for learners and educators to secure learning continuity in times of restrictions and beyond.</p> <p>A simple tool for teachers to create teaching content without any advance knowledge of a tool or code. They create by using various media and graphics from the open stock libraries and merging it with their own content to keep it engaging and diverse. Consider the tool as a "Video Wikipedia for Learners and Creators".</p> <p>The solution is to tackle the situation by providing the teachers with an assisted course creation tool to develop interactive media lessons for the students. This shift to virtual learning enables students to learn through this digitized media anytime and at any place. In this manner, the teachers, as well as students, can continue the education from a place of safety and protected environment of their homes.</p>
PROBLEM	<p>Learning is disrupted. COVID-19 crisis brings the need for a new education model. We offer a method for students and teachers to participate in applied educational processes from their homes.</p> <p>Classroom sessions are not possible</p> <p>Virtual coaching is a challenge in most parts of the world</p> <p>Curriculums are to be structured, taught, and managed digitally</p> <p>Content has to be digital, real-time, and engaging</p>
SOLUTION	<p>We are building tools to auto generate (convert) text-based content to video based online content with extension towards gamification and immersive techniques for advanced trainings.</p> <p>Using AI based text classification methods, we can identify the context of the content and make queries to public video media libraries using APIs. These can be given back to the teachers as an assisted course creation tool to develop interactive digital media lessons for their students.</p>

NAME	GOME
DOMAIN	Remote Working & Education
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/mar
DESCRIPTION	Families living in urban areas that will turn this crisis into an opportunity to make their community greener and push wellbeing in their work-life routine. Healing through gardening. Movement. Mobile app.
PROBLEM	<p>Family life during remote work & education due to pandemics or future crisis:</p> <p>We have observed that the world is facing a huge migration to big cities and urban areas. 60% of global population live in cities and the 90% of its growth will also take place in cities. This means they hardly represent the 3% of the global land but they generate the 75 % of the total carbon emissions. Ensuring the right to have access to safe and nutritious food to the billions of people living in cities represents a global development challenge of the highest order.</p> <p>At the same time. Researchers found that the anxiety and depression levels of the studied people during the lockdown were high. 38 % of the interviewed participants reported high levels of anxiety and depression.</p> <p>We live in big cities, smaller spaces and it's hard to connect with nature. Cities need to become more sustainable and the community concept must be changed.</p>
SOLUTION	<p><i>We envision green spaces at home and sustainable communities. This will be done by indoor or outdoor mini gardens and areas. At the same time, users living in reduced homes can also make this happen sharing spaces in their community and contacting people with our app.</i></p> <p><i>It's important to understand that green spaces and plants have significant benefits for our health and can help fight climate change:</i></p> <ul style="list-style-type: none"> <i>-Nature reduces stress and improves mental health.</i> <i>-Nature boots our immune system.</i> <i>-It can also be a great way to improve the eating routines of our family and build greener and healthier alternatives.</i> <i>-Indoor gardening can also improve air quality and make people more productive at their workspace.</i> <p><i>GOME will be the tool that will make this happen. GOME is a mobile app that allows people to approach the sustainable lifestyle with the learning by</i></p>

#EUvsVirus
challenge

can you hack it?



*doing
methodology and build greener homes & communities.*

Moreover, we will launch three main lines to start helping people build sustainable spaces in cities:

-We will build, design and maintain gardens restaurants, hotels, schools, residences in cities.

-We will design and conduct gardening workshops for companies and schools and create a farming curriculum in schools.

-Create communities of urban farmers in cities and provide employment and income to people who have diverse abilities as well as socially disadvantaged.

NAME	GreenBytes
DOMAIN	Business Continuity
HEADQUARTERS	Iceland
TEAM MEMBERS	Iceland, United States
MEMBERS	1-10
WEBSITE	www.greenbytes.is
DEVPOST	https://devpost.com/software/greenbytes-g13wzm
DESCRIPTION	GreenBytes is here to reduce food waste and increase profits in restaurants offers a SaaS solution that tells restaurants the smart amount of food to order. We break down restaurant menus, and we predict future sales based on past sales using artificial intelligence to determine how much food restaurants should order.
PROBLEM	Over ordering in restaurants causes a lot of food waste. Food waste costs money and is a major contributor to climate change. If food waste were a country, it would be the third-largest polluter in the world. In Europe, we throw away 240.000 tonnes of food every day, which costs 392 million € every day.
SOLUTION	GreenBytes suggests and places orders for restaurants. We make sure to order the right amount of food by breaking down our client's menu and predicting future sales based on past sales using machine learning algorithms.

NAME	GuideYourGuide
DOMAIN	Social & Political Cohesion
HEADQUARTERS	TBC
TEAM MEMBERS	Finland, Germany, Greece, Italy, North Macedonia, Portugal, Slovenia, Spain, United Kingdom, Norway
MEMBERS	11-20
WEBSITE	www.guideyourguide.eu
DEVPOST	www.guideyourguide.eu
DESCRIPTION	<p>The very first cloud-based app to offer personalized & interactive guided tours around heritage sites and museums. We are 14 motivated, highly-skilled, culture-loving Europeans, determined to save livelihoods affected by COVID19, especially in Arts & Leisure sector.</p> <p>We plan to formalize our organization as a European-based entrepreneurial company post Matchathon. We are committed to functioning with excellent social responsibility. Our infancy offers partners & investors an opportunity to shape our future together.</p>
PROBLEM	<p>Our museums and cultural heritage sites offer us numerous benefits daily. They allow us to connect people from a variety of backgrounds; to experience and reflect on our past; to anticipate and influence our futures. They also offer us a pause and diversion away from our busy lives. They strengthen our mental health and well-being, making us more resilient for future problems.</p> <p>The knowledge and understanding we learn within cultural heritage and museum settings form a crucial part of our cultural, social, national and continental identities. In these times, when the World is more troubled and physically isolated than ever, our museums and cultural heritage sites offer a vital way of keeping us connected, nurtured and relaxed.</p> <p>The outbreak of COVID-19 across Europe has changed the way people will travel and visit places in the months and possibly years to come. While government measures vary drastically from country to country, and some restrictions are lifted gradually, the challenges of the crisis will remain for the foreseeable future. It will take a long time before we go back to experiencing our European heritage in the same way as we used to.</p> <p>Covid19 has forced the complete or partial closure of over 90% of museums and heritage sites. Their survival is at risk, with severe repercussions. The livelihoods of 27 million people in the Arts and Tourism sector are under threat, and the costs to the industry are predicted to be more than 350 billion euros. Many cultural heritage sites and museums may take decades to recover; some never will. In particular, those smaller, niche museums which offer new perspectives or specialist insights into our complex cultural identity may be lost from us. They will become inaccessible to future generations of curious minds.</p> <p>It is this eagerness for learning and passion for discovery that GuideYourGuide seeks to address. As we sit in our homes, isolated and alone, GuideYourGuide offers Europeans an opportunity to reconnect with their cultural heritage sites and museums. Our mission is to share culture with everyone in a uniquely personalized, completely guided</p>

experience. We will provide a source of income for museum & tour guides who are losing their jobs, contracts and revenue. We will remove the barriers created by distance, cost and viruses. We will feed the curiosity of young minds; provide recreation for busy people; and allow for the older generation to visit places they have always dreamt of. Finally, we will restore some sense of normality for museums, cultural heritage sites, their tour guides and customers, during these turbulent and testing times.

Beyond Covid19, our European project continues to contribute to an open, inclusive, knowledgeable and creative society.

We will support EU citizens & uphold business continuity. We will reinforce the values of our shared cultural heritage.

We will touch hearts and embrace minds.

GuideYourGuide is a pioneering, cloud-based app that enables personalized and interactive guided tours to heritage sites and museums. We offer a three-fold, curated and high-quality solution to the problems posed by social-distancing during and in the immediate aftermath of the COVID-19 crisis.

Using innovative technology on a hardware-agnostic platform, visitors can explore, discover, secure, and experience a guided tour. All of this can be from the distance and safety of their own home, or their preferred location. Culture-lovers from all over the world can now have a comprehensive, immersive, real-time experience. They will guide the guide on the ground.

Accredited guides are an essential part of the solution. In coordination with the institution, they can prepare different itineraries, which can be adapted to individual visitor needs. They will link the museum and the visitor to enhance and personalize the experience.

Museums and heritage sites can promote and publish an unlimited number of tours, choosing their own accredited guides, timing and price. Tickets purchase can be via several mechanisms. We are fully flexible and will adapt to the needs of the cultural heritage sector and help develop a vibrant marketplace.

GuideYourGuide also offers museums and heritage sites control over privacy and copyright. Additionally, we can also share collected data from the individual experience, subject to GDPR guidelines.

This solution is not only restricted to the current situation. Even beyond the pandemic, GuideYourGuide offers a new, inclusive and remote way for those who would otherwise not be able to visit the museum or heritage site in the first place. Our solution overcomes social and economic inequalities, geographic distance, language barriers, age and physical disabilities. We want everyone to be able to experience our shared cultural heritage - here, in Europe, and also around the world.

SOLUTION

NAME	helpregistry
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Germany
TEAM MEMBERS	Germany
MEMBERS	11-20
WEBSITE	https://www.hilferegister.org
DEVPOST	https://devpost.com/software/helpregistry
DESCRIPTION	<p>In the wake of the Corona crisis, many charitable initiatives have sprung up to support society throughout these difficult times.</p> <p>help registry provides a simple, intuitive registry to find Coronavirus-related help initiatives. No log-in is required to use the platform. Initiatives can be filtered by location and type of help.</p>
PROBLEM	<p>In the wake of the Corona crisis, many charitable initiatives have sprung up to support society throughout these difficult times. The sheer volume of information makes finding initiatives that are local and relevant to the user difficult, discouraging them from getting involved and helping others. Similarly, those who would benefit from the support from such initiatives face the same problem and, in many cases, will not get the help they could get. To date, there is no central contact points listing charitable initiatives to solve this problem in most countries.</p>
SOLUTION	<p>helpregistry is a one-stop user-friendly platform for matching individuals with initiatives that they can either support or be supported by. It is the simplest solution, for people seeking or offering help, to find initiatives in their region. Filters ensure that results match the user's location and geography. Furthermore, no log-in is required to use the platform, keeping the barriers to usage as low as possible</p>

NAME	HoloCare
DOMAIN	Health & Life Remote Working & Education
HEADQUARTERS	Norway
TEAM MEMBERS	Norway
MEMBERS	1-10
WEBSITE	https://holocare.com/
DEVPOST	https://devpost.com/software/holocare-nkbycz
DESCRIPTION	HoloCare is the world's first mixed reality innovation hub within the healthcare sector. It was founded through a partnership between clinicians from the public healthcare sector and technical experts in from Sopra Steria. HoloCare aims to create a common resource to build, share, and create solutions using holographic computing. HoloCare was established as a company in December of 2019 and aims to provide solutions for the COVID-19 pandemic for healthcare professionals to work remotely and efficiently. Find out more at https://holocare.com/
PROBLEM	<ol style="list-style-type: none"> 1. Limit traffic in and out of isolated patient rooms and protected areas 2. Protect critically important health personnel 3. Avoid cross-contamination between hospitals and between departments 4. Remote and digital assistance for decision support and guidance 5. Better remote cross-hospital collaboration 6. Limit risk for the contamination of equipment 7. Smarter and more efficient use of key resources 8. Avoid unnecessary contact between the GP and the patient
SOLUTION	With the use of holographic technology, HoloCare protects critically important personnel by allowing clinicians to engage in virtual - rather than physical - multi-disciplinary teams meetings. The technology also supports the redirection of traffic away from isolated patients and areas , e.g. allowing experts and seniors to join rounds virtually rather than in-person. In addition, HoloCare facilitates remote assistance and training when, for example, a senior team member is needed but is not directly accessible. Most critically, it allows for sending a clinician into an isolated areas or patient rooms as a hologram, thus allowing healthy, but quarantined providers to continue interacting and working remotely.

NAME	How to Change the World
DOMAIN	Remote Working & Education
HEADQUARTERS	United Kingdom
TEAM MEMBERS	USA, Canada, Austria, UK
MEMBERS	11-20
WEBSITE	www.htctw.org/recovery-europe
DEVPOST	https://devpost.com/software/how-to-change-the-world
DESCRIPTION	<p>We are an educational non-profit focusing on innovation & sustainability, born out of a world-leading university (University College London). Our experiential Learning Journey has been delivered in-person to over 6,000 participants around the world in partnership with hundreds of organizations.</p> <p>In response to the crisis, we have created a fully-virtual version of our Learning Journey. Our #EUvsVirus Winning goal is to provide the opportunity to 10,000+ young Europeans to attend one of our two-week long pan-EU virtual programmes in the next six months.</p>
PROBLEM	How can we empower young Europeans whose lives have been stalled by coronavirus to drive the process of rebuilding our communities & economies to be more sustainable, inclusive and resilient than ever?
SOLUTION	We can provide fully-virtual collaborative Learning Journeys for thousands of young participants around Europe. Every participant gains multinational networking and entre/intrapreneurial ideation experience, and engages with partner organizations that can help them take their ideas forward to implementation.

NAME	Hypanel
DOMAIN	Business Continuity
HEADQUARTERS	Netherlands
TEAM MEMBERS	The team has explicitly requested not to list the nationalities of the team members.
MEMBERS	1-10
WEBSITE	https://devpost.com/software/hystandard
DEVPOST	https://devpost.com/software/hystandard
DESCRIPTION	<p>Hypanel is an air purifier with a transparent partitioning panel installed between restaurant tables to prevent spread of aerosol particles. Hypanel disinfects the air with HEPA filters and UV oxidation technology and releases clean air.</p> <p>Our solution will allow restaurants to replace the social distancing requirements. Instead of reducing capacity, restaurants will be able to operate at 90-100% capacity compared to their pre-crisis situation while establishing customer confidence and preventing re-emergence of airborne viral infections.</p>
PROBLEM	<p>Currently, in many countries, most restaurants, bars and cafes are closed to comply with national restrictions to prevent the spread of Covid-19. Even where opening restaurants is not explicitly restricted by the governments, most of the restaurants cannot efficiently comply with social distancing rules (1-2 meters between two visitors, depending on the country) due to their layout and capacity.</p> <p>The situation is most painful for small establishments, which are typically run by individual entrepreneurs and may have six tables or less. The impact is certainly also felt by bigger restaurants and chains as a decrease in capacity and revenue due to social distancing. To comply with the social distancing requirements, restaurants would have to remove tables and thus decrease their revenues by 38-65 %.</p>
SOLUTION	<p>Hypanel is an air purifier which is based on conventional HEPA and emerging UV oxidation technologies. It can be mounted on existing panels, partitions and on the walls, or it can be procured with the transparent panel option. Compared to other air purifier solutions, it is lighter and highly efficient. Its air displacement and coverage is superior to an air purifier placed close to the ground in the corner of the room. Hypanel solution will allow restaurants to replace the social distancing instead of capacity, restaurants will be able to operate at 90-100% capacity compared to their pre-crisis situation. How does it work?</p> <ol style="list-style-type: none"> 1) The air capture and discharge mechanisms, combined with physical partitioning isolates the space in-between the panels from the rest. Refreshment rates of minimum 6 times an hour is achieved for the space between Hypanels, providing protection from airborne contamination. 2) Any pathogen containing droplet is captured through suction entries, filtered and eliminated by UV lights. The mechanism is fully encased in a duct, thus causing no harm to humans. In this way, the disinfected air released back into the space. 3) Gentle air draft between the Hypanels improves ventilation efficiency causing droplets landing on surfaces to evaporate and deactivate faster.

#EUvsVirus
challenge

can you hack it?



NAME	Ikune Labs
DOMAIN	Other Social Distancing
HEADQUARTERS	Finland
TEAM MEMBERS	Finland
MEMBERS	1-10
WEBSITE	www.ikunelabs.com
DEVPOST	https://devpost.com/software/unus-terra-a-social-game-against-covid-19
DESCRIPTION	0
PROBLEM	Unus Terra is a serious game with a captivating storyline with the main aim to encourage people to keep practicing social distancing during this dire global pandemic.
SOLUTION	There is a huge demand for vaccines, digital solutions and mobile applications that try to tackle COVID-19 at the moment. We see our approach as novel and quite unique, and it's tackling a real problem, a problem that our generation hasn't faced in this magnitude.

NAME	Immunisation Pass
DOMAIN	Social & Political Cohesion
HEADQUARTERS	United Kingdom
TEAM MEMBERS	Belarus, Czech Republic, Switzerland, Ukraine, United Kingdom
MEMBERS	1-10
WEBSITE	https://devpost.com/software/health-passport-5kxist
DEVPOST	https://devpost.com/software/health-passport-5kxist
DESCRIPTION	Immunisation Pass is a mobile application that uses proven and secure blockchain technology to start the world travelling again by recording an individual's verified immunity status.
PROBLEM	<p>Covid-19 has had a massive impact on countries around the world, both in terms of economic, health and personal costs. There have been 200,000 + recorded deaths due to Covid-19 and estimated over \$500 Bn impact on global travel industry alone. This is due to the tough measures countries have had to take while balancing the health and wellbeing of their citizens and restricting travel, resulting in an unprecedented economic standstill.</p> <p>Inevitably, countries and member states will domestically reduce or eliminate covid-19. We anticipate there will be an organic debate about how travel is restored. On one hand countries will want to get economies up and running, and on the other, will want to put safeguards in place to know the immunisation status of people crossing their borders. As the global economic engine restarts after the lockdown and restrictions are eased, there will still be a lot of apprehension and potential mistrust in the way different countries/localities manage the local secondary spread of infection. This raises a need to share relevant health information (immunisation and vaccination records) via reliable and trusted routes.</p> <p>Immunisation pass will help restore public's confidence to move freely, on which our multi-Trillion-dollar global economy is dependent, with a focus on the travel industry.</p> <p>The app will help individuals keep track of their immunity status to contagious diseases to ease the process of domestic and international travel and provide relevant authorities with a trusted source of actual immunisation status. It will be anonymous, secure and trustworthy.</p> <p>Our core proposition is that the app can act as a secure anonymous, trusted source of individual's immunisation status, which can enable</p> <ul style="list-style-type: none"> • Frictionless travel/movement post Covid-19 lockdown • Help authorities as a trusted source to determine individual immunity status • Help track and trace other infectious diseases such as Covid-19 and help prevent future epidemics
SOLUTION	Immunisation pass is a mobile application built on secure by design ethos of blockchain technology (same as Bitcoin) to deliver a fully anonymous unique secure and trustworthy solution. It records an individual's verified immunity status, which is certified by a trusted medical provider at the time of vaccination or diagnostic test. The app has revolutionary proprietary blockchain authentication functionality that proves the person in possession of the immunisation pass is the verified owner while maintaining their privacy. Border

control/policing officials can check this trusted vaccination record to ensure that only people with valid immunity and/or low risk exposure are able to travel without special precautions. The additional benefit is that the verification is done within the app so the officials do not need additional hardware.

Using latest two-factor anonymous distancing technology unique to immunisation pass the application records physical contacts by recording other mobile devices within 2m range of the user. Contact data is fully anonymous and will be accessible to providers of similar applications through an open protocol API. So possible contacts can be determined even if people are using a different app.

This technology enables health authorities to react proactively to identify and stop a possible resurgence/secondary outbreak. The fully anonymous technology notifies user of their exposure. This user has full control and visibility of their current risk exposure and can take appropriate action, from self-isolation to seeking medical advice and testing based on whether they have possibly been exposed; are likely to have been exposed or highly likely to have been exposed.

Immunisation Pass leverages Micro Service, Blockchain and SQL technology to provide a scalable, capable, secure and anonymous solution.

The guiding principles of the solution are:

- User Anonymity
- Trust & integrity of data.
- Scalable and available no matter the load

Immunisation Pass has three main technical use cases

- i. Securely store immunisation records with absolute trust while being completely anonymous.
- ii. Provide absolute confidence that the person claiming to be the owner of the immunisation record is verified as the immunised party.
- iii. Anonymous contact tracing and alerting of risk of exposure.

To deliver this we propose to use Blockchain; AWS Lambda micro service technology; PostgreSQL; Node.JS; React and Xamarin C#

NAME	impactMarket - Decentralized CrowdFinance for Impact
DOMAIN	Digital Finance
HEADQUARTERS	Portugal
TEAM MEMBERS	Portugal
MEMBERS	1-10
WEBSITE	impactMarket.com
DEVPOST	https://devpost.com/software/impactmarket
DESCRIPTION	We're working on a Decentralized Basic Income system for vulnerable communities. impactMarket intends to become an Open CrowdFinance infrastructure for Social Impact. It enables any vulnerable community in the world to create its own unconditional basic income system for its beneficiaries, where each can claim a fixed amount on a regular basis, access financial services like microcredit, and make payments for free to anyone in the world with just a mobile phone.
PROBLEM	Access to finance (2B people are unbanked), transparency and too many intermediaries.
SOLUTION	A blockchain-based solution and wallet that enables anyone with internet access to have a "bank account" and access to a fixed amount on a regular basis.

NAME	Infinity StartUp GmbH / RefresherBoxx
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Germany, Taiwan, Croatia
MEMBERS	1-10
WEBSITE	www.refresherboxx.com
DEVPOST	https://devpost.com/software/refresherboxx
DESCRIPTION	<p>The six-person team consists of highly qualified, and interdisciplinary academics (chemistry, biotechnology, business administration, engineering, computer science, and law) from RWTH Aachen University and Goethe University Frankfurt. Due to our broad lineup, we are optimally equipped to solve any kind of problem and to overcome any upcoming challenge in the future. Moreover, we are able light up problems from all directions and can pursue the objective of our future customers extensively.</p>
PROBLEM	<p>Just in Germany we will need 12 billion masks this year. In the complete EU that would mean 70.000.000.000 masks. How could we get them and still care about our environment?</p> <p>Our solution, the RefresherBoxx enables safely reuse of face masks, even the clinical ones. No water and no chemicals are needed for killing the Corona-Virus, bacteria and fungi. It uses a combination of physical methods. In the RefresherBoxx the face masks are treated with temperature, at about 65 to 70 degrees, UV-C Light, active oxygen and airflow. With that the protein shell of the virus or the outer wall of the bacteria is destroyed and the microorganisms are inactivated and die. Furthermore, the RNA, the core of the virus, is destroyed with UV-C light. Thus the danger of infection can be minimized and the breathing masks can be worn again without any worries. The same procedures can be used for any protective clothes.</p>
SOLUTION	<p>It is important to mention that the disinfection of masks requires the combination of UV-C light with temperature and active oxygen and subsequent air flow, because treatment with UV-C light alone does not provide sufficient penetration depth in the fabric materials. Our POC with Miele from June to December 2019 concluded that only the combination of UV-C light with active oxygen and the right temperature modes in the right proportions and at the right intervals can guarantee disinfection of 99.99587%. The respective technologies alone do not lead to satisfactory disinfection results. In addition, due to the specifications and recommendations of the Robert Koch Institute from Germany and the WHO, temperatures of 65-70°C and UV-C at 185nm are urgently needed to destroy and kill the protein shell and also the core interior (RNA). Finally, very important is the treatment with air streams to remove the killed or unwanted microorganisms and dirt particles in order to catch them in a filter, so that clean air exists the RefresherBoxx.</p>

NAME	it!
DOMAIN	Business Continuity
HEADQUARTERS	Italy
TEAM MEMBERS	Italy, Japan
MEMBERS	1-10
WEBSITE	http://zeroteam.eu/
DEVPOST	https://devpost.com/software/zero_project
DESCRIPTION	it! is a multisided platform that gathers different tourism stakeholders in order to offer an end-to-end experience to the customer. The platform takes into account the safety concerns of the users and works as a channel for the communication of norms and best practices to adopt when traveling.
PROBLEM	The problems we aim to address are two: first, safety and health concerns that customers will have when traveling, second, having a single platform that puts in communication DMCs (destination management companies) and DMOs (destination management organization). We want to propose the various destinations as a collaborative ecosystem and not as a disrupted puzzle of actors.
SOLUTION	A multi-sided platform that involves Destination Management Companies (DMC) and Destination Management Organizations (DMO) in order to offer a new experience for tourists. Health authorities are involved to support the adoption of best practices in order to guarantee the safety of travelers. Thanks to data collection the platform is able to get customer preferences and suggest events and destinations accordingly. The data will be available also to both DMC and DMO in order to raise the attractiveness of the destinations and of the overall offer, "cross-selling" destinations in different regions. Local businesses will be able to develop and understand which the best practices are to adopt to make feel the customer comfortable during the experience.

NAME	itda: Local student community platform
DOMAIN	Remote Working & Education
HEADQUARTERS	South Korea, Czech Republic, and Germany
TEAM MEMBERS	South Korea, Czech Republic, and Germany
MEMBERS	1-10
WEBSITE	www.myitda.org
DEVPOST	https://devpost.com/software/what-s-on-the-menu
DESCRIPTION	<p>Have you felt disconnected recently? Have you wished if there is a better place to study together? Have you thought about you can easily meet up with fellow students? itda aims to connect students based on their university or the city where the university located to improve their social interaction virtually and locally. At itda students can discuss their studies, share their life, find some study mates, get to know new fellow students, and locally give&receive help during the crisis.</p>
PROBLEM	<p>The primary purpose is to connect people in their local community together, share their expertise, and help each to overcome their problems. Currently, the Corona crisis introduced a considerable challenge, but many of them are not new; integration into new groups, language barriers, disconnection with people, searching general tips, and acquiring new contacts, these core elements stay even after the Covid-19.</p>
SOLUTION	<p>The platform aims to connect students at their university and improve their social interaction virtually and locally. With a focus on students, we also ensure that the community provides a certain level of identity verification to avoid uncomfortable situations. Since people have to stay at home, a small-talk and casual after class discussions about the covered topic are gone. We want to make this happen, by matching students regarding their needs or interests. If preferred, they can also easily make an appointment for a video conference(using Jitsi) and do a group activity. It can help with searching for study groups, lab partners, language exchange, sports groups, and making new friends.</p> <p>The web application is built using the Python (v3.5+) Flask (v2+) framework for a back-end and ReactJS/NextJs for front-end. The data are stored in SQLAlchemy and stored in a secret fashion using bcrypt cryptographic library, offering a high level of confidentiality and integrity. Since the platform operates on the European market we design it with GDPR compliance in mind. We use Jitsi open APIs for support to support our virtual, which establishes a WebRTC session. In the future, the matching algorithm can be expanded by machine learning algorithms.</p>

NAME	Jobiri - the 1° AI based digital career advisor
DOMAIN	Remote Working & Education
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	www.jobiri.com
DEVPOST	https://devpost.com/software/jobiri-the-first-ai-based-digital-career-advisor
DESCRIPTION	<p>JOBIRI is the 1° AI-based digital career advisor able to digitalize employment services.</p> <p>To date we support +50.000 jobseekers and 30 Institutions in Italy and Portugal including universities (the Catholic University of Milan, the University of Venice, ecc.), employment centers at Regional Level (Puglia region), Youth Employment Centers in Lombardia, vocational schools (Ciofs-fp which has more than 50 schools, IAL Lombardia) and HR players (DailyInternship which is a European Job board focusing on new graduates).</p>
PROBLEM	<p>Coronavirus is deeply affecting the real economy and the job market. According to a recent study from McKinsey, it is estimated unemployment levels in the 27-member state could peak at 11.2% (pre coronavirus unemployment rate is 7.3%) due to the coronavirus. Millions of job seekers require immediate career support: in Europe's wholesale and retail sector, 14.6 millions jobs could be threatened, 8.4 million jobs in accommodation and food and 1.7 million in arts and entertainment. Career guidance providers including schools, universities, employment centers and other Institutions requires a response unprecedented in scale and speed due to the depth and the breadth of this crisis. EU Institutions can embrace Jobiri's technology to adapt active labor policy market actions to this new challenge. Our technology offers new forms of support, easier access to information and reach wider audiences which will not be supported otherwise.</p>
SOLUTION	<p>JOBIRI is the 1° AI-based digital career advisor able to digitalize employment services. Our solution is an integrated and smart ecosystem of career service tools with a candidate-centric approach that connect jobseekers, Institutions and companies. The platform has 3 interfaces:</p> <p>The jobseekers' interface provides:</p> <p>(i) a smart AI Assistant: Through the automatic collection of thousands of daily job posts from job boards and company websites, JOBIRI is exploiting machine learning models to identify and collect the required hard and soft skills, expertise, seniority, salary, location, company name, industry, types of contract and their related evolution over time for more than 2.700 professional roles. Thanks to artificial intelligence algorithms, this data is matched with jobseekers' curriculums and used to provide: (i) feedback based on 15 variables to craft a better and more appealing CV (for both automatic screening systems and recruiters) (ii) customized job postings, including recommendations for both linear path or career changes based on the qualification and skills provided by candidates (iii) specific courses to improve skills or overcome skills gaps identified, sourced directly from various providers (MOOCs or other partners) (iv) up-to-date market intelligence information sorted by professional roles to</p>

aid candidates in identifying the best source of work in terms of location, company, current job requirements (ie: skills, etc.) or benefits (ie: salary, contracts) to improve job search.

(ii) career goal self-assessment tools (iii) CV and cover letter builders tailored to roles and industries (iv) a self-service interview simulator to discover the best answers and strategies to succeed even in the most challenging interviews (v) an employability skill building library with more than 140 videos (vi) integrated video conference tools, to connect the jobseeker with a career coach

At the same time, JOBIRI is provided to career-supporting institutions, allowing career coaches to: (i) remotely assist jobseekers with video conference tools integrated within the platform. This allows to provide remote career coaching sessions, while respecting social distances (i.e for safety reasons) (ii) provide a more personalized and prompter support based on data (real time intelligence to better guide people) (iii) track candidates' job search approach and related output (iv) make easier the daily work of career coaches with digital tools

On the employers' side, JOBIRI (i) provides employer branding tools to attract candidates (it showcases companies' workspaces, vision, benefits by creating a virtual tour of the company and allowing current employees to become company ambassadors) (ii) it supports recruiters to identify the best candidates (iii) it manages the sourcing process in less time

NAME	Jop - a project of Ninjamoba LTD
DOMAIN	Remote Working & Education
HEADQUARTERS	Malta
TEAM MEMBERS	Canada, Germany, Malta, Netherlands, Spain
MEMBERS	1-10
WEBSITE	teamjop.com
DEVPOST	devpost.com/software/jop
DESCRIPTION	<p>Our Solution Hey we are TeamJop.com A fun edtechbot can free up teachers and staff. We do this by answering routine questions about where to find homework, grades, scheduling and meetings. Then your teachers can get to providing education rather than IT support to students. We've got an ai powered chat interface for managed learning systems. We're looking for School districts ministries of education, and Universities who would like to integrate AI. We offer safe secure bespoke solutions.</p> <p>Ninjamoba LTD has been dedicated to bleeding edge research and development in the application of AI in social media. We have been Incubated by IBM for 18 months and currently are incubated by TakeOff at the University of Malta.</p>
PROBLEM	<p>Because of Covid-19 remote education has become the standard. Kids, Parents and Teachers are currently confined to electronic education. In this transition away from 1x1 teacher contact and physical classrooms where kids learn with other kids - there's problems. Stress on kids as they adapt to learning entirely at home - and staying focused. Stress on parents as they assume the role of teacher and caregiver - while holding down their jobs and dealing with adult issues. And stress on teachers as they adapt to a completely different mode of education and curriculum. Frequently asked questions emerge that take a lot of time of the teacher - what is my home work? - where do I find my homework? - what are my child's grades?. Time that the teacher could be using to help kids learn. For schools stressed by budget - time is money.</p>
SOLUTION	<p>Multiuser intelligent assistants that are aware of each stakeholders needs and how users relate are in their infancy. We are unaware of any project like this. Usually chat bots are developed with single user customer service in mind. We are currently building on the Watson Intelligent assistant platform which is robust enough to allow the functionality intended in our prototypes and demos- however we are building our own additional add ons, api functionality and functionality from open source tools.</p> <p>Curerntly Jop can answer simple questions and retrieve files as well as disambiguate when it doesn't understand input. Jop lives in any text input chat environment - but can be deployed into managed learning systems and use privacy and KYC controls of the host environment.</p>

NAME	Katana ML
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Lithuania
TEAM MEMBERS	Lithuania
MEMBERS	1-10
WEBSITE	https://katanaml.io/
DEVPOST	https://devpost.com/software/covid-19-growth-modeling-forecasting
DESCRIPTION	We focus on Machine Learning solutions for business. Often we can hear how Machine Learning is applied for face recognition or self-driving cars. Our specialization is on Machine Learning techniques which could be utilized by enterprise - business rules automation, forecasting, natural language processing. We develop a product which should help the enterprise to start using Machine Learning applications.
PROBLEM	Using Machine Learning forecasting possible COVID-19 cases for the next 20 days.
SOLUTION	We are using Python language for the backend implementation, this is where the forecast is calculated. UI layer is implemented with JavaScript and Open Source Oracle JET UI toolkit. In this backend, we are using a set of Open Source libraries - Numpy, Pandas and Prophet. The forecast is calculated using logistic and Hill equations, assuming that COVID-19 growth follows the logistic path, read more about the solution - https://medium.com/katanaml/covid-19-growth-modeling-and-forecasting-with-prophet-2ff5ebd00c01 . Source code repo - https://github.com/katanaml/covid19 . The application runs on top of Katana ML container.

NAME	Linistry
DOMAIN	Business Continuity
HEADQUARTERS	Hungary
TEAM MEMBERS	Hungary
MEMBERS	1-10
WEBSITE	www.linistry.com
DEVPOST	https://devpost.com/software/linistry-for-safe-retail
DESCRIPTION	<p>Founded in late 2016, Linistry disrupts the market of classic queue management systems.</p> <p>With software-based innovation at its core, Linistry introduced a complex, paperless digital queue management solution that</p> <ul style="list-style-type: none"> a) eliminates on-site waiting, b) turns queue management into a source of profit rather than cost via advanced functionalities. <p>Our company secured a round of investment in late 2018.</p> <p>We have queued over 4 million people and have customers from Malaysia to Germany.</p>
PROBLEM	<p>With the advent of the global pandemic, retail needs to be made safer for both staff and customers. Social distancing is key in the fight.</p> <p>Retailers need to solve three closely related issues with regard to social distancing:</p> <ol style="list-style-type: none"> 1. Limit the number of customers in-store 2. Queues at the entrance 3. Avoid store visits and redirect customers online
SOLUTION	<p>Linistry provides an integrated and easily deployable solution for all three issues via its store control, queue control and channel redirection functionalities.</p> <p>Store Control</p> <ul style="list-style-type: none"> - Store staff easily register customers entering and leaving the store with a click on a phone or tablet. - Number of customers in-store visible and controllable at all times <p>Queue Control</p> <ul style="list-style-type: none"> - Customers can register or be registered on-site or remotely to a digital queue and will be notified before it is their turn. No application download needed. - The speed of the digital queue is automatically controlled by the number of customers in-store. <p>Channel Redirection</p> <ul style="list-style-type: none"> - The virtual queuing platform can be used to recommend people alternative, electronic channels (online store, call center, mobile app, chatbot, etc) instead of personal visits. <p>Our solution is up and running, ready for international deployment (cloud solution, no need of local presence when deploying).</p>

#EUvsVirus
challenge

can you hack it?



Technology: Microsoft Azure, .net core, Angular

NAME	LiquiNow (formerly WeStayLiquid)
DOMAIN	Digital Finance
HEADQUARTERS	Germany
TEAM MEMBERS	France, Germany
MEMBERS	11-20
WEBSITE	https://devpost.com/software/we-stay-liquid
DEVPOST	https://devpost.com/software/we-stay-liquid
DESCRIPTION	<p>The pan-European solution framework is based on the two best-practice projects www.wir-bleiben-liqui.de and U:DO, which were both placed amongst the top-20 of the #wirvsvirus Hackathon of the German Government and their combined learnings gathered by being operational for five weeks. The quick execution was made possible by a mix of advanced technologies (aws, svelte, legal design, chat bots) combined in an open decentralized keep-it-simple architecture as free and open-source software.</p> <p>On 24-26 April, the team expended to an EU-level by participating at the EUvsVirus Hackathon and welcomed EU-enthusiastic team-mates. And so, WeStayLiquid was born. On 30 April, we celebrated our victory and since then worked to prepare the EUvsVirus Matchathon. On 16-18 May, as part of the rebranding strategy, WeStayLiquid changed to LiquiNow.</p>
PROBLEM	<p>25 millions of EU-28 SMEs and 10 million freelancers will be facing the risk of bankruptcy due to the economic impact of Covid-19. EU-Institutions and member states have promptly provided financial aid and assistance measures.</p> <p>However, freelancers and SMEs will be lost in a bureaucratic jungle to access them. With only 7-10 questions, our platform guides users to those financial programs that are relevant in their particular situation. The application process is reduced from 6 hrs to 20 minutes.</p>
SOLUTION	<p>We assist in the application with chatbots deployed in a decentralized serverless IT Architecture ensuring the highest standards of data protection and IT security.</p> <p>Our first use-case is www.wir-bleiben-liqui.de, a platform connected to a database with currently 160 financial instruments available for German freelancers and SMEs. The platform includes the following five modules:</p> <ul style="list-style-type: none"> • Waiter - Menu - Sommelier - Order - Delivery: • Waiter: a dynamic decision tree which asks users seven to ten questions and queries the database with this information. • Menu: a structured presentation of database entries that are of interest to the users. • Sommelier: advice on the presented options to assist users with their order. • Order: a chatbot-type UI which guides users in filling out relevant application forms, resulting in a downloadable PDF/A3 with embedded json files and the information encoded in a QR code. Completely handled in the user's browser. • Delivery: a plugin to process PDF uploads through a website delivered by email. Opening APIs to employ fraud prevention measures. <p>Embedding the json files and QR code means that cloud-based OCR (optical character recognition) services are not required to read out the document.</p>

NAME	LOEWI GmbH
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	France, Germany, Iran, Turkey, United States, Ireland, Bangladesh, Romania, Belgium and Switzerland
MEMBERS	11-20
WEBSITE	www.loewi.com
DEVPOST	https://devpost.com/software/loewi-covid-19-antibodytesting-from-home
DESCRIPTION	<p>We are a scientific spin-off of Technical University of Munich and our core business is making personalized health and nutrition available to everyone. During the corona-crisis we utilized our expertise in at-home blood sampling and our existing digital infrastructure and logistics to offer high-quality SARS-CoV-2 antibody tests (ELISA).</p> <p>Our SARS-CoV-2 antibody test kit enables everybody without previous medical training to take high-quality blood samples from home, which are then sent to an accredited lab in Europe and analyzed with high-accuracy ELISA assays.</p> <p>Furthermore, the user has the possibility to fill out a digital research questionnaire, which will be shared with universities and research partners. The user doesn't have to go to a doctor or a central checking point. After the sample has been analyzed the user gets her result through our existing online platform and clarity if she has already been infected with SARS-CoV-2.</p>
PROBLEM	<p>Individual-level: People want to know if they have already had COVID-19 and developed antibodies against the disease. The only place to do these tests is at a doctor's office. By going there people put themselves and others at risk of infections.</p> <p>Research-level: In order to better understand the spread of the virus and the course of the disease large scale testing for antibodies in every part of the country are necessary. At the moment studies are only focused on urban areas.</p>
SOLUTION	<p>Our SARS-CoV-2 antibody test kit enables everybody without previous medical training to take high-quality blood samples from home, which are then sent to an accredited lab in Europe and analyzed with high-accuracy ELISA assays.</p> <p>Furthermore, the user has the possibility to fill out a digital research questionnaire, which will be shared with universities and research partners. The user doesn't have to go to a doctor or a central checking point. After the sample has been analyzed the user gets her result through our existing online platform and clarity if she has already been infected with SARS-CoV-2.</p>

NAME	Lunsj
DOMAIN	Business Continuity
HEADQUARTERS	Norway
TEAM MEMBERS	Norway
MEMBERS	1-10
WEBSITE	https://www.lunsj.ai/
DEVPOST	https://devpost.com/software/lunsj-hbfni2
DESCRIPTION	Lunsj creates more connected organizations by automating routine knowledge sharing and social connection through customizable matching programs powered by artificial intelligence.
PROBLEM	<p>Silos (social, knowledge, cultural, etc.) have always been an enduring problem for large organizations. Covid-19 has turned this problem into an acute crisis that will impact organizations for many years to come.</p> <p>The success and wellbeing of organizations and their employees are critically dependent on connection.</p> <p>Yet even today, there exists no simple solution to automatically and routinely break down silos or build more connection organizations.</p> <p>...And that is why we want your help to make Lunsj a reality, so that Lunsj can help your organization thrive.</p>
SOLUTION	<p>We are on a mission to build more connected organizations!</p> <p>Lunsj is a business/HR process automation platform that helps organizations automate routine knowledge sharing and social connection through customizable matching programs powered by artificial intelligence.</p> <p>The match programs are driven by algorithmic matchmaking (for likeness, difference, unique instance) and applied to organization determined variables (custom fields, tags) and groups.</p> <p>The Lunsj platform is designed to be both customizable and highly extensible, meaning it can easily be tailored to the unique needs of any organization while still providing value for generalized use cases.</p> <p>Lunsj is a B2B SaaS product in the category of HR and digital transformation solutions. We are industry agnostic.</p> <p>Lunsj is ideal for:</p> <ul style="list-style-type: none"> > Companies, organizations, governments, institutions, non-profits > Organizations with over 100 and up to 10,000+ or more employees; for teams, divisions or whole companies. > Globally distributed organizations, semi- or fully remote teams, companies with multiple offices or divisions, etc. > Got silos? Want encourage knowledge sharing? Improve social connection and cross-departmental cohesion? > Lunsj has countless use cases that only you, the customer, can dream up. Help us discover them!

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Non-profits and NGOs: we are committed to providing Lunsj FOR FREE, FOREVER to non-profit organizations.
B2B SaaS | Business/HR process automation platform | Efficient teamwork

NAME	M I Broke
DOMAIN	Business Continuity Digital Finance
HEADQUARTERS	Austria
TEAM MEMBERS	Albania, Austria, Germany, Irelandl, Italy, Romania
MEMBERS	1-10
WEBSITE	https://manu2602.shinyapps.io/M_I_Broke_prototype/
DEVPOST	https://devpost.com/software/m-i-broke-financial-status-analysis
DESCRIPTION	<p>We build a platform that quickly assesses your financial status. It tells you how long you can stay in business and where you can find help.</p> <p>The application is as easy to operate as the registration for this hackathon. We provide economic insights to estimate revenues for several industries per country and lead them quickly to all resources that are available exactly for them.</p> <p>Let us take you on a journey through M I BROKE:</p> <p>After you have learned about M I BROKE via digital marketing, you get excited about the product and join our platform. You type in your key information on a monthly basis.</p> <p>M I BROKE enriches your information based on your exact type of business, region and financial details with information about other businesses that share those features from publicly available databases and adjust them. Since M I BROKE knows how similar companies progressed from Ben and Lisa's situation it has a good basis for estimating your future.</p> <p>Now it adds the crisis factor. For each Industry there are different scenarios how the crisis will affect your revenue. You can now decide on your own level of trust you have in your business. You chose whether you see yourself on the lower or the upper end of the risk potential for your industry.</p> <p>After a few seconds, you receive a simple traffic light based on your financial situation and see how long your business will survive if you don't take further action.</p> <p>Don't be scared if the traffic light is not green. M I BROKE First, guides you directly to the government funds you have access to. But not only that. It also presents you solutions on how you can survive the crisis by digitizing your business model. Is your restaurant already registered on a delivery platform? Does your Barbershop provide vouchers that people can buy and use after the shut down? We will get exactly the information you need and by helping your businesses with these private partners of ours you are even helping us to stay in business.</p> <p>Pitch Video: https://www.youtube.com/watch?v=MBL5EuuUtbl</p>
PROBLEM	<p>Imagine you run a small business. You founded it several years ago. Things were rough in the beginning, but now you're up and running. You do not earn millions but you can pay for all your expenses and you have even saved up some money to be able to expand some day. And then COVID-19 hits! Your accountant is occupied with the problems of larger</p>

	<p>companies and after your shop is closed for a couple of weeks, you start asking yourself: Am I broke?</p>
SOLUTION	<p>Let us take you on a journey through M I BROKE:</p> <p>After you have learned about M I BROKE via digital marketing, you get excited about the product and join our platform. You type in your key Information on a monthly basis.</p> <p>M I BROKE enriches your information based on your exact type of business, region and financial details with information about other businesses that share those features from publicly available databases and adjust them. Since M I BROKE knows how similar companies progressed from Ben and Lisa's situation it has a good basis for estimating your future.</p> <p>Now it adds the crisis factor. For each Industry there are different scenarios how the crisis will affect your revenue. You can now decide on your own level of trust you have in your business. You chose whether you see yourself on the lower or the upper end of the risk potential for your industry.</p> <p>After a few seconds, you receive a simple traffic light based on your financial situation and see how long your business will survive if you don't take further action.</p> <p>Don't be scared if the traffic light is not green. M I BROKE First, guides you directly to the government funds you have access to. But not only that. It also presents you solutions on how you can survive the crisis by digitizing your business model. Is your restaurant already registered on a delivery platform? Does your Barbershop provide vouchers that people can buy and use after the shut down? We will get exactly the information you need and by helping your businesses with these private partners of ours you are even helping us to stay in business.</p>

NAME	MAGGY
DOMAIN	Business Continuity
HEADQUARTERS	Belgium
TEAM MEMBERS	Belgium
MEMBERS	11-20
WEBSITE	https://www.maggylife.eu/
DEVPOST	https://devpost.com/software/maggy-ovyepd
DESCRIPTION	<p>Maggy is a small wearable device helping you to maintain social distancing while keeping your privacy. With friends, family and colleagues. At home, at work, while shopping or on vacation. The company was founded by Allan Segebarth, Ruben Miessen, Bart Embrechts and Nicolas Van Odijk, a group of Belgian entrepreneurs. Maggy is part of the Gumption Group, a group of 20 young companies with +480 bright minds in Belgium, the Netherlands and Luxembourg</p>
PROBLEM	<p>The Covid19 pandemic hits us hard. On a human level the effects are tragic, both on the casualties to deplore and the destabilizing effect on people's social lives. Obviously, the economy has taken a gigantic hit too. In order to rebuild our economy, we will need to adapt to a new reality. Rebuilding the economy as fast, efficient and safe as possible, is the best guarantee for the wellbeing and safety of future generations.</p> <p>Governments all over Europe are, or will soon be, releasing the lock-down rules under strict conditions. To re-start economic and social activities safely, we will all at least need to respect social distancing for some time to come. According to the World Health Organization, social distancing is the most effective way to slow down the spreading of infectious diseases. When restarting or rescaling their activities, organizations will need to install procedures and protocols to safely welcome employees and clients. Massively respecting social distancing will reduce the probability of outbreaks of the virus and will allow us to resume economic and social activities, until more structural health solutions are available.</p> <p>How do we make sure social distancing is respected? How can companies, industrial sites, shops, museums, schools, public places, events... show their employees, clients and visitors that they take all precautions to provide a safe visit? Our wearable Maggy device solves this issue, by warning the carrier of the device when he or she is moving too close to someone else. The Maggy-device is a social distancing safeguarding device.</p> <p>To be able to deploy this solution at scale, the Maggy-device needs to be :</p> <ul style="list-style-type: none"> - Simple in usage - Privacy proof - Affordable - Non-discriminatory as to access to technology
SOLUTION	<p>For this reason, we have decided to build the Maggy-device from the ground up in bootstrapped MVP mode. Building a mobile app to solve the issue and does not match all above mentioned criteria. It's not simple in usage for everyone (elderly and very young children), it's prone to privacy issues and most importantly, not everyone has a smart phone or</p>

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if they have one, they don't necessarily have Bluetooth activated. In the current situation, speed and focus are of the essence. The process from ideation to prototyping, including chip design, component selection, case design, manufacturer selection, contracting, marketing launch material and business plan, took us 7 days exactly.

NAME	MassVentil Project
DOMAIN	Health & Life
HEADQUARTERS	Hungary, Austria, UK
TEAM MEMBERS	Hungary, Austria, UK
MEMBERS	21-50
WEBSITE	http://massventil.org/en/massventil-project/
DEVPOST	https://devpost.com/software/massventilatorsystem-with-individual-ventilation-parameters
DESCRIPTION	<p>We are an international community: engineers, researchers, inventors, doctors, economists, journalists, physicists, mathematicians, lawyers and university students.</p> <p>The core team is based in Hungary at Obuda University (around 45 people), head of the project is Dr. Miklos KOZLOVSZKY, and additionally 1500 volunteers worldwide help our project, including ACMIT GmbH (Austria).</p> <p>The 5 core innovators already patented the concept.</p>
PROBLEM	<p>COVID-19 is an example of emergency situations, where suddenly a mass of sick people need to be treated simultaneously, and it shows that in several cases national healthcare infrastructures with –even increased availability of- standard solutions are not able to cope with the extra load of tasks. For COVID-19 specifically:</p> <ol style="list-style-type: none"> (1) ARDS patient number is increasing worldwide, medical ventilators currently in use are capable of supplying only one single person, and therefore the available quantity is not enough for the whole world population. (2) Medical professionals are overloaded due to the labor intensive work. (3) Doctors and nurses became ill and many die, caused by cross-contamination / virus infection. (4) Ad-hoc hospitals, mass emergency camps are opening in many countries to cope with the increased number of patients with limited medical staff, so real-time patient monitoring in such environment is difficult, a more effective patient handling is needed.
SOLUTION	<p>MassVentil concept brings a revolutionary solution to increase the effectiveness of patient ventilation for mass-casualty care in disaster setting.</p> <p>In short: we are designing a mass ventilator system (NOT co-ventilation), that can ventilate up to 50 or even more people at once, it monitors all patients and shares their status data in real-time, it protects healthcare workers from cross-contamination, and can be operated outside of hospitals, in temporary emergency camps.</p> <p>The MassVentil solution</p> <ul style="list-style-type: none"> - scales up ventilation capacity for large number of patients - enables large scale, remote patient treatment and monitoring - increases the real-time situation awareness for doctors and nurses

- protects medical professionals during pandemics

The MassVentil Technology

- is based on a new ventilation concept, (it is NOT a co-ventilation)
- consists of a central duct system and personal ventilator modules for the individual patients. The central inhalation and exhalation duct system supplies air to and collects gases from all the personal ventilator modules for ventilating more patients at the same time.
- supports invasive and non-invasive ventilation methods, and ventilation parameters are adjustable individually for all patients.
- removes (and filters) exhaled infectious air from the common airspace, significantly reducing the risk of infection for nursing staff, to provide safer working conditions.
- may be defined as the simultaneous ventilation of large number of patients in varying degrees of respiratory failure who would overwhelm the normal ventilation capability of a medical service.

With an upscaled MassVentil system, hundreds of people could be ventilated (individually) at the same time in an ad-hoc hospital or in an emergency camp environment.

We have already created strong prototypes to prove feasibility.

NAME	Matika.in
DOMAIN	Remote Working & Education
HEADQUARTERS	Czech Republic
TEAM MEMBERS	Czech Republic, Slovak Republic
MEMBERS	1-10
WEBSITE	https://www.matika.in/en/
DEVPOST	https://devpost.com/software/matikain-learn-with-friends-although-you-are-each-at-home
DESCRIPTION	<p>We are non-profit organization based in Czech republic consisting of four core team members and several volunteers. Our goal is to make learning and teaching more easier, more motivating and entertaining for kids, students, their teachers and parents. Our motto is Learning through Playing. We develop and maintain educational websites for Mathematics, Grammar, Financial Literacy, Critical Thinking, Geography and more subjects will come in future...</p>
PROBLEM	<p>During corona crisis, the schools are closed, but teaching and learning should continue. There are several challenges for teachers, kids and parents.</p> <p>Teachers need to:</p> <ul style="list-style-type: none"> - keep committed to educational plan - assign work to students and evaluate their solutions - be able to help/support resolution of doubts of kids <p>Kids want to:</p> <ul style="list-style-type: none"> - play! - keep relationship with classmates <p>Parents want to:</p> <ul style="list-style-type: none"> - have no problem! - have self-taught kids - get feedback on their kids' performance
SOLUTION	<p>Our solution is the set of educational websites for kids from primary and secondary schools and their parents and teachers.</p> <ul style="list-style-type: none"> - https://www.matika.in – mathematics (English, Czech, Slovak, Italian, German, Hungarian) - https://www.gramar.in – grammar and comprehensive reading (Czech, Slovak) - https://www.zlatka.in – financial literacy (Czech, Slovak) - https://www.geograf.in – geography (English, Czech, Slovak) - https://www.trainbra.in – critical thinking (Czech, Slovak) <p>Main characteristics:</p> <ul style="list-style-type: none"> - One website per one subject at primary or secondary school. - Users: kids, their teachers and parents. - Generator of countless exercises with graduation according to difficulty and with automatic evaluation. - Easy to use, right here, right now, with or without authentication. No barriers to any user except one – connection to internet. - Gamification to increase motivation to learn by practicing. - Portfolio of solved exercises focusing on weaknesses. <p>Main features according to target groups:</p> <p>Teachers</p> <ul style="list-style-type: none"> - Agenda of exercises

- Easy to follow up
- Homework assignments
- Automatic evaluation
- Overview of solved exercises by whole class

Parents

- Understanding of exercises.
- Plenty of exercises covering broad subject for children.
- No or little parent supervision.
- Overview of solved exercises by child.

Kids

- Learning through gaming.
- Playing with classmates and friends.
- Instant feedback.
- Eye-catching graphics.
- Gamification: collecting badges, golden coins, charts...

Product and Technology:

- Backend is Apache web server with PHP
- Database is MySQL
- Frontend is HTML5, CSS, Javascript, SVG

NAME	MeMentoring
DOMAIN	Remote Working & Education
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/mementoring?ref_content=update-comment&ref_feature=update-comment&ref_medium=email&utm_campaign=update-comment&utm_conten
DESCRIPTION	MeMentoring is a one-to-one mentoring solution to help students in their orientation during these uncertain times.
PROBLEM	<p>Francesca, Julio, Xavier... are all students facing an important transition phase of their lives. Francesca is trying to understand what to study after graduating from secondary school. Xavier is trying to get into a Grande Ecole in France. Julio is just graduating from his Masters's degree in Germany, about to enter the labor market. They have one thing in common though: due to the current lockdown, they feel isolated and without access to higher education fairs, events, or school orientation and career services to help them in the transition phase they are living. They are left on their own, lacking support to make decisions in these uncertain times. The situation is even more critical for students with a limited network, highlighting the inequality of opportunity.</p>
SOLUTION	<p>MeMentoring provides students a one-to-one mentoring service. Mentors and coaches are also students and young professionals, willing to provide help and guidance to their younger peers.</p> <p>How it works</p> <ul style="list-style-type: none"> - A student fills a form on our website -We personally make contact with her to assess her needs and make a match -We propose her a pool of 5 mentors. It is then up to her to chose the one to have sessions with -We follow up to help achieving results. We gather feedbacks and give guidance to both the mentor and the mentees. <p>Tools used</p> <p>Website builder: Wix Mobile app: Biznessapps Video conferencing & online meetings: Zoom Documents and folders: Google Drive Questionnaires: Google Forms Shared calendar: Google Calendar</p> <p>These tools aim to reduce the costs of external functionality implementation and make the solution functional, accessible, and user-friendly.</p>

NAME	Mentor.me
DOMAIN	Remote Working & Education
HEADQUARTERS	Netherlands
TEAM MEMBERS	Netherlands
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/interactive-education-platform
DESCRIPTION	0
PROBLEM	<p>The measures worldwide imply that primary and high school students and their teachers have to stay home more often. This means that students do not get a chance to interact with their teachers as often as before. In developed countries, most parents are capable of helping their children with their school subjects. However, the parents' efforts might not be enough sometimes. or they might simply not have enough time to help their children struggling with a subject in school. Given the fact that many university students have to stay home during the times of corona, helping younger students can allow them to have an interactive time while they engage in knowledge transfer.</p>
SOLUTION	<p>We are introducing a platform where students can match with mentors. It is easy for both parties to sign up in their respective category. The student makes a request to match with a mentor. Their request includes details about the subject they are struggling with and their language of preference. Mentors with the fit areas of expertise and language requirement will get notified about the student request. After their first interaction, they can choose to continue with the process or deny. Even though our platform involves video calls and chat options, there will be recommendations to other useful sources. After the session, each of the parties receives a badge based on the other person's feedback.</p> <p>Over the weekend we initially had a brainstorming session and came up with a very broad idea for a product. Since the initial idea was too broad, the team decided to narrow it down to a basic level, to begin with, and to include some of the features as a possible future development. The team then started having discussions in order to draw out a clear map, how the user experience will look like. Then our graphic designer started developing the prototype while the other two worked on explaining the details and making sure the whole process will be smooth.</p>

NAME	MicroAdvisory: halloSophia - Sophisticated Advice for Businesses
DOMAIN	Business Continuity Remote Working & Education Digital Finance
HEADQUARTERS	Austria
TEAM MEMBERS	Austria
MEMBERS	11-20
WEBSITE	https://www.hallosophia.com/ or https://www.sophia.direct
DEVPOST	https://devpost.com/software/hallosophia
DESCRIPTION	It's about enabling Entrepreneurs with Expertise. What is MicroAdvisory & why could it be a solution for a Recovery from the Economic Crisis? Let us introduce you to Sophia: https://www.youtube.com/watch?v=IT5yPNP-z00 Inspiration: Micro-Loans give people the Chance to help themselves out of Poverty by being Entrepreneurs, Micro-Advisory gives Entrepreneurs the Toolset for being successful with their Business - even in times of a Crisis.
PROBLEM	<ul style="list-style-type: none"> - Physical Distancing could lead to a lack of Expertise in the Financing/Management Processes of Businesses - Loans can't be the only Solution for an Economic Crisis - Liabilities weaken Companies, because they need to be repaid with future revenues. - unhealthy Companies can't preserve jobs & lead to a default-series in the future
SOLUTION	<p>#stayhealthy physically and economically</p> <p>One Platform to join forces of everyone who can make a contribution to economically healthy businesses: Bank Employees, Equity and Crowd Funders, Business Continuity Experts, Management Advisors, Self-Financing-Experts, Lawyers, Tax Advisors, Employees of Public Institutions,...</p> <p>...matched based on the current Problem of an Entrepreneur & connected in Video-Advisory-Rooms. Example: "I need Feedback on my Business Plan" → all available Experts for Business plan in the Country listed (already Experts of Public Institutions pre-registered for that specific Micro-Advisory-Service)</p> <p>Entrepreneurs can access the Expertise they need remotely, to get a new Perspective. Solving urgent Needs with Orientation of Experts, enables Entrepreneurs to help themselves. Advisors can offer precise micro-advisory to Businesses at the exact time they need it, to make further progress in their health/recovery/fitness-plan or in case of urgent need. help Businesses helping themselves with Sophisticated Advise in a comfortable customized Video-Advisory Room, without travelling and borders. + when Public institutions use the Platform, it brings Knowledge of Institutions closer to the point of Impact: People needing it.</p>

NAME	My-Slots
DOMAIN	Business Continuity
HEADQUARTERS	Germany
TEAM MEMBERS	Germany, Ireland, Austria
MEMBERS	1-10
WEBSITE	www.my-slots.eu
DEVPOST	https://devpost.com/software/my-slots
DESCRIPTION	<p>MySlots is a digital time slot booking platform that can be implemented in minutes. With MySlots enforcing social distancing for the public has never been easier. Our mission is to provide customers with the safe navigation of public infrastructure and services despite COVID-19.</p>
PROBLEM	<p>MySlots is getting rid of long queues and allowing public infrastructure and services to safely re-open.</p> <p>To contain the spread of the virus we are all actively practicing social distancing. Social distancing (the act of keeping 2 meters apart) has been proven to slow down the spread of the virus, yet local stores struggle to completely follow to this government guideline. Stores face the challenge of controlling the number of customers inside their facility but also outside their facility. This causes an inability to ensure social distancing requirements are met and prevent the spread of the virus.</p> <p>The current answer to restrict access to open stores by using a queue system and a guard controlling access addresses the problem of people inside the facility but not outside the facility. This solution is not sustainable as lockdowns begin to ease but strict guidelines remain in place. Tightly packed and long queues are exposing customers to just as much risk inside as they would be outside.</p> <p>This also creates additional challenges for example elderly people who cannot stand for too long, people with disabilities, parents who have to take care of their children or people who are especially vulnerable.</p>
SOLUTION	<p>My Slots is a web-app that allows locations to define time slots with predefined capacities which can be booked by the customers online. All in a matter of minutes.</p> <p>On the customer side, any person with access to the internet can book available time slots online in advance. The booking code is accessible on the smartphone users (QR-Code) or can be printed out or transcribed manually on a piece of paper if no smartphone is available. The booking code is checked by the stores(location) upon customer entrance with regular consumer hardware. A regular PC with webcam, Tablet or smartphone with internet access is sufficient.</p> <p>Additional features such as dedicated time slots for the elderly and discounts for visiting stores(locations) off-peak are also provided with our solution.</p>

NAME	MyBubble **Category Winner: Protecting Employees**
DOMAIN	Business Continuity
HEADQUARTERS	Canada
TEAM MEMBERS	Canada, Germany, Ireland, United States
MEMBERS	1-10
WEBSITE	www.hellomybubble.com
DEVPOST	https://devpost.com/software/mybubble-guiding-you-to-the-new-normal
DESCRIPTION	<p>MyBubble is the app that keeps employees informed, alert, and recognized for good social distancing and hygiene behaviors. Our smartphone app allows employers to set the workplace rules, which MyBubble measures and gives alerts to employees to stay outside of in their day-to-day interactions. Using performance feedback and behavioral nudging, users can stay safe in their bubble and stay out of trouble!</p> <p>Winner: EUvsVirus (Protecting Employees), Pandemic Response Hackathon (Spotlight Project)</p>
PROBLEM	<p>As many countries lift lockdowns and people return to work -- greater responsibility is being placed on employers to keep their employees healthy and safe in the midst of COVID-19. This has included monitoring their health, redesigning floor layouts, and hardest of all -- changing the way employees interact. Employers are eager to get back to work, while employees are anxious about potentially being exposed to COVID-19, so the question is: how do we help employees get back to work, safely, in the "new normal?"</p>
SOLUTION	<p>MyBubble is your COVID-19 "conscience" -- keeping you informed, alert, and recognized for your good social distancing and hygiene behaviors. Our smartphone app uses GPS and Bluetooth technology and behavioral nudging to synthesize employer's social distancing and hygiene policies into measurable, reinforced behaviors.</p> <p>This includes:</p> <ol style="list-style-type: none"> 1) Proximity detection: using Bluetooth LE, we can warn you when you're approaching the 2m proximity of others, and give an alert when you're too close 2) Proximity estimation: using AR, we can help you plot out your surroundings for 2m 3) Group detection: using Bluetooth LE, we can identify when you're in too large a group (>5) or warn of busy areas 4) Timed/event-based notifications: for example, to remind people to wash their hands, clean their workspace, or wear a face covering 5) Geofencing: which can create location-based rules or shutoff the app once out of the office

NAME	MyRobotics - Measuring Taste
DOMAIN	Health & Life
HEADQUARTERS	France
TEAM MEMBERS	French, German and Swiss
MEMBERS	1-10
WEBSITE	myrobotics.fr
DEVPOST	https://devpost.com/software/measuring-taste-to-diagnose-diseases
DESCRIPTION	<p>MyRobotics is a French company. Its core business is developing connected devices. We have worked with companies on various subjects, from XR headset to tablets, which has allowed us to develop our own device: an electrogustometer.</p> <p>The idea comes from discussion with French doctors in oncology, complaining about patients who lose taste. It was 4 years ago and it started as a side project, and has now become the main project of a team of 6 people</p>
PROBLEM	<p>You have probably already tested your eyesight or your hearing, but have you already tested your taste?</p> <p>A scientific study carried out in 7 different countries on COVID-19 patients shows that:</p> <ul style="list-style-type: none"> • 86% of infected patients will present partial or complete disturbances of smell and 88% of partial or complete disturbances of taste. These disturbances of smell occur either before the onset of symptoms (general and ENT) (in 12% of cases), or during (65% of cases) or after (23% of cases). • 44% of patients have already recovered their sense of smell within a short period of 15 days. The rest of the patients should be hopeful of recovery, which could happen within 12 months of the onset of symptoms (nerve recovery is a slow process). • Anosmia and / or dysgeusia which has occurred in the past few weeks in patients with no previous ENT history (chronic sinusitis, nasal polyps, nasal or sinus surgery) should be considered as a specific symptom of COVID-19 infection and should be officially added to the list of other symptoms listed by WHO <p>But doctors don't have any scalable, non expensive and reliable way to get a quantitative taste measurement. Having such a device would help them better prevent, diagnose or even follow up the evolution of the COVID-19 disease, and also many other diseases.</p> <p>Many environmental (ie cigarettes) and medical (chemo and radiotherapy, nervous operations, diabetes, neurodegenerative diseases, oral hygiene, etc.) factors affect our taste and can lead to irreversible changes.</p> <p>These taste disturbances can be the first symptoms of more serious pathologies or side effects (such as peripheral neuropathies for example) and subsequently lead to many other disorders if they are not taken into</p>

	<p>account in time (i.e. cholesterol, obesity, heart problems... due to excessive consumption of salt or sugar).</p>
SOLUTION	<p>Several taste measurement methods exist today, via different psychophysical tests which are complicated to set up and analyze, mainly due to the lack of repeatability and the duration of analysis of the measurements.</p> <p>Another method of measuring taste exists, in particular by means of electric currents in order to cause electrolysis of the saliva and thus make a taste appear, just like a battery on your tongue. The intensity of the electric current causes a more or less intense taste, so we can measure the taste sensitivity of a person. The goal of our device is to measure the lowest current possible that will trigger the smallest taste possible that a patient can taste on any of the nine areas of the tongue, and by doing so every week/month/year, we can follow up how the taste sensitivity evolve and thus diagnose diseases like COVID-19.</p> <p>This last method is the device we have developed. The device will be composed of a connected device, linked via Bluetooth to a mobile application which will control the device using different protocols (like a manual setting protocol or a double-blind automatic protocol using a specific algorithm developed with doctors and researchers). An electrode and an electrode holder will allow doctors to test patient's taste sensitivity on one of the nine areas of the patient's tongue. All those data will then be saved on a secured cloud and accessible only by healthcare professionals in order to monitor patient health in order to better diagnose diseases or side effects of some drugs. By using FHIR and OMOP database architecture, we will also be able to cross reference medical data from other medical devices or electronic health records, in order to define patterns which will allow healthcare professionals to better diagnose some diseases, even do some preventive medicine.</p> <p>We now have a fully functional device and mobile applications, we have already performed some clinical trials and we are currently launching the industrialization of our device in order to launch mass production of our device and electrode by September 2020.</p>

NAME	NoCrowd
DOMAIN	Business Continuity Social & Political Cohesion
HEADQUARTERS	Romania
TEAM MEMBERS	Hungary, Romania, United Kingdom
MEMBERS	1-10
WEBSITE	http://cognitivecreators.com/nocrowd/
DEVPOST	https://devpost.com/software/nocrowd-social-distancing-made-simple
DESCRIPTION	<p>NoCrowd is an award winning solution, that helps us avoid queuing and crowds while we're outside. Completely anonymous, no registration or sharing personal data are required.</p> <p>Please check how it works in our 2 min product video: https://youtu.be/TgzJskgN36s</p>
PROBLEM	<p>There are 3 billion of us in lockdown, yet we still need to go shopping, to the pharmacy or to work. The WHO and CDC claim that lack of social distancing is the main reason the virus spreads. Not knowing where crowded areas are when going out, or queuing in front of stores and pharmacies for a long time make proper social distancing impossible.</p>
SOLUTION	<p>NoCrowd is a ready to implement mobile application, solving social distancing in 2 steps.</p> <p>Step 1.</p> <p>Users share their location within the app while being outside. Thus everyone can see on their screens where crowded areas are, with main focus on stores, pharmacies and public spaces. Using this information we can decide when it's safest going somewhere, helping each other stay safer throughout our journey.</p> <p>Step 2.</p> <p>Users can lower their risk further when going to stores and pharmacies, by requesting a queuing number from the safety of their home, through the app's built in digital ticketing system. This way we support stores and pharmacies maintaining limited queues at the entrance and help lowering the risk of infection by staying in a crowded queue for long.</p> <p>Technology</p> <p>We used native Android and iOS technology to develop the MVP. The users' device receives GPS data from satellites and bounces that information on to a server without any identification that could link it to the user, keeping the system totally anonymous. The back-end algorithm on the server clusters received data from multiple devices and sends it back to the user's device where it is displayed on a map. Our data management is completely anonymous and GDPR compliant, no contact tracing is used.</p>

NAME	Open Gate
DOMAIN	Other Cross all domains and cross border
HEADQUARTERS	Netherlands
TEAM MEMBERS	Germany, India, Italy, Netherlands, Sudan, Switzerland, Thailand, Ukraine, United Kingdom
MEMBERS	21-50
WEBSITE	https://ilabs.ai/ and https://uqu.do
DEVPOST	https://devpost.com/software/opengate
DESCRIPTION	OpenGate is a program of iLabs and uqudo. iLabs is a Dutch startup, founded by Harm, also the CSO (Strategy) of uqudo. His mission is to build a Trustworthy internet of Everything for the wellbeing of all people and our planet. uqudo based in UK, UAE and Thailand winner of the Arab Innovation Start-up award, one of the most innovative digital identity companies in the MEA. Mohamed is the founder & CEO. His mission in life is to improve people's lives around the world.
PROBLEM	<p>Covid19 closed borders, locked down countries and disrupted economies to the extent of more than 250 billion for the airlines industry alone. This pandemic has now resulted in 90% of the world's population now having stringent travel restrictions.</p> <ul style="list-style-type: none"> * People are losing their confidence in flying. <p>Travellers are afraid that boarding a plane is a high risk of covid-19 infection and are not sure about the health and safety risks, policies and protocol to enter the destination country.</p> <ul style="list-style-type: none"> * Even with extra hygiene protocols, the exchange of travel documents at check-in, border control and boarding have high risk of infection for both staff and travelers * People are scared to share their sensitive and personal health and location data between different Health & Safety stakeholders across borders because of lack of transparency and unclear privacy protection.
SOLUTION	<p>Reopening the skies is one step to recover economies and businesses and establish confidence in flying again.</p> <ul style="list-style-type: none"> * Re-establish Trust of people in flying by providing a clear communication to the traveler of the Health & Safety situation, policies and protocols both at the country of departure and destination. * Touchless and seamless traveling will be the new normal for air travel. Automation across all borders and industries is now key. Biometrics are already used for identity verification and border control but now physical fingerprint and hand scanners need to be circumvented. Our platform has integration with Tech5 biometric verification. * A new global platform and specification will need to be developed for trustworthy sharing of personal, health and location data between people, devices, health organizations and border control systems while data is managed, owned and shared by individuals while maintaining inclusiveness, openness, data privacy, data sovereignty and data security.

NAME	OurNet LDA
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Portugal
TEAM MEMBERS	Portugal
MEMBERS	1-10
WEBSITE	www.ournet.online
DEVPOST	https://devpost.com/michael183
DESCRIPTION	OurNet's mission is to change the world by changing the context in which conversations take place. It is a self-regulating online community 'social network' designed to transform our outdated i-centric culture to a we-centric one. OurNet brings the Market concept to all aspects of its design. All transactions, whether publishing, commenting, posting, buying etc are prioritized through feedback to create we-centric healthy, open relationships based upon trust and respect.
PROBLEM	The problem is our out-dated, secretive and manipulative top-down control system which generates suspicion. Our top-down culture relies on the imposition of more control to restrict the behavior of people who transgress our i-centric opinion of acceptability. Unfortunately, each person's opinion is just one of nearly seven billion, many of which are diametrically opposed. Covid-19 has brought into sharp relief the vulnerabilities created by the dramatic centralizations of government, industry and finance. Popular trust in politicians, the media and business seems to be plumbing new depths. We feel like helpless cogs in this 'system' and we lack safety, security, connection, and community with no voice and no power. There seems to be no possible solution...
SOLUTION	OurNet is starting as a conventionally hosted platform, and we are initially proposing our own Cryptocurrency, the OurBit, to reward content providers that contribute to their communities and to provide a convenient means of exchange on the site. Currently our technology is MySQL, Springboot and React.

NAME	Ownemployed
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Sweden
TEAM MEMBERS	Sweden, UK, Lithuania
MEMBERS	1-10
WEBSITE	ownemployed.com
DEVPOST	https://devpost.com/software/ownemployed
DESCRIPTION	<p>Ownemployed is a platform designed to help people set up new businesses, supporting them to take themselves from unemployment (from covid-19) to owning their employment. Our goal is to see a new breed of successful businesses which drive a people driven economy.</p> <p>When we look to the past, we see examples of successful businesses born out of innovation in testing times. Take Uber, WhatsApp & DropBox - just a few examples of businesses formed during a recession.</p> <p>Our MVP will be out in 1 week!</p>
PROBLEM	<p>The impact we are striving for is to reduce unemployment through inspiring and enabling a new generation of entrepreneurs to develop creative ideas and successful businesses. If Ownemployed helped 0.5% of the people estimated to become unemployed through the covid-19 pandemic that would be a million new entrepreneurs setting up businesses, creating jobs and driving the economy.</p> <p>Not only would this help boost the global economy, it could also potentially help mitigate some of the negative impacts of unemployment on people's health, wellbeing and quality of life.</p> <p>We are seeking to create a movement to empower those unemployed to become Ownemployed encouraging optimism, hope and pulling together as a community to take on the challenges presented by the covid-19 pandemic.</p>
SOLUTION	<ul style="list-style-type: none"> ● A community for budding founders to find co-founders, mentors and advisors ● Support, advice and a wealth of free resources to help users get started and plan their projects - courses, business plan templates etc. ● Ongoing communication – allow users to tailor to their interests and needs, including notifications when a suitable person or opportunity joins meeting their criteria.

NAME	Platex
DOMAIN	Health & Life
HEADQUARTERS	Bulgaria
TEAM MEMBERS	Bulgaria, Romania
MEMBERS	1-10
WEBSITE	http://platex.bg
DEVPOST	https://devpost.com/software/platex-reusable-face-masks
DESCRIPTION	<p>Platex has been in the textile industry since 1945. We are proud that our company is keeping the traditions and knowledge of four generations of specialists passionate about textile, with enormous knowledge in the industry. Our values are built on traditions, trust and quality.</p> <p>Our mission is to be helpful to our customers in these hard times, that's why after the COVID-19 pandemic started, we completely switched our production to what is really needed by everyone now - protective face masks.</p>
PROBLEM	<ul style="list-style-type: none">- limited availability of protective equipment - face masks- face masks are not produced in Europe- single-use face masks generate a lot of dangerous waste and are not a sustainable solution- Do-it-yourself masks are not tested for viral filtration efficiency
SOLUTION	<p>We Develop, Produce, Test and Distribute faces masks that are:</p> <ul style="list-style-type: none">- Reusable at least 30 times- Made from 100% natural materials- Sterilizable at home (via washing and ironing)- Eco-friendly- Laboratory tested by the Bulgarian Academy of Sciences with up to 90% viral filtration efficiency

NAME	PlusVitech (PVT-COVID)
DOMAIN	Health & Life
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	https://www.plusvitech.com/?lang=en
DEVPOST	https://devpost.com/software/pvt-covid
DESCRIPTION	PlusVitech is a health and biotechnology startup based on Seville (Spain), founded in 2013 with an expert team. We have been studying cancer and especially its relation with inflammation for more than 10 years. The explosive inflammation process seen in some cancer models is similar to that seen in COVID, which led us to discover the possibility of applying successfully our validated treatments in cancer to the prevention of the damage on vital organs induced by COVID.
PROBLEM	COVID-19 is the worst pandemic of our era. Up to 10% of the affected die. The human and economic consequences are devastating, and it is only the beginning. Unfortunately, current treatments in development are either not effective, toxic, or require a long process of approval and production. They would not even be effective against subsequent mutations. COVID does not provoke death by itself rather its inflammatory effects, especially damaging to the lung. Finding an effective treatment to avoid this lung damage without side effects and with a quick wide-scale availability is the only solution to save millions of lives and billions of dollars worldwide.
SOLUTION	We have developed a treatment called PVT-COVID, based on an existing drug, an NK1R antagonist that in combination with others already approved drugs, could potentially save lives by stopping COVID organ injuries like lung and kidney. Thus: A) PVT-COVID prevents severe lung damage and on other vital organs like kidney without side effects B) PVT-COVID is not only useful in the COVID-19 in its current version but also works in future mutations because it does not focus on the virus but on its effects C) The PVT-COVID drug already exists, which saves time in its development, production, and distribution It has proven effective in several papers and in our recent investigations with in-vivo models in preventing severe damage after lung injury. PlusVitech has registered a worldwide patent application that protects the use of any NK1 receptor blocker for COVID.

NAME	Pocovidscreen
DOMAIN	Health & Life
HEADQUARTERS	Spain
TEAM MEMBERS	France, Germany, Netherlands, Spain, Switzerland
MEMBERS	11-20
WEBSITE	https://pocovidscreen.org/
DEVPOST	https://devpost.com/software/automatic-detection-of-covid-19-from-pocus-ultrasound-data
DESCRIPTION	<p>We developed the first approach in the world for detecting COVID-19 from ultrasound recordings with artificial intelligence. While CT is already used for diagnosis, ultrasound has been rather neglected by the machine learning community, although it has been highly advocated in medical COVID-19 publications. We collected and build an ultrasound dataset and trained a neural network on the detection of COVID-19, with promising results. We are now in the phase of validation of our results in a clinical study and to continue in the refinement of our application to help and assist doctors.</p>
PROBLEM	<p>Fast and extensive testing has proven to be a key factor to prevent the spreading of COVID-19 in the current crisis. So far, the most reliable and widely used test method is viral RNA detection through RT-PCR. However, during the initial stages of the infection, viral RNA detection could be producing false negatives making it challenging to keep infected patients isolated. Additionally, RT-PCR technique has a limited availability since it relies on advanced resource management, supply-chain dependencies and very costly equipment that not all hospitals possess. For this reason, lung imaging becomes central to bring a more available and sensitive test.</p>
SOLUTION	<p>We developed a convolutional neural network specifically trained and adjusted to classify lung ultrasound images and videos into 3 classes: normal lung (healthy patient), pneumonia and COVID-19. The structure of our NN was developed with Keras library for deep learning. We built a web interface with ReactJS where we deployed the model to allow users to screen their images or videos with a user-friendly interface. Our web interface not only provides the service of scanning the ultrasound images and videos to screen for COVID-19. It also allows the collaboration for medical institutions and practitioners to upload their classified images to improve the database of lung ultrasound for COVID-19.</p>

NAME	PointCheckout
DOMAIN	Digital Finance
HEADQUARTERS	Netherlands
TEAM MEMBERS	Netherlands
MEMBERS	1-10
WEBSITE	www.pointcheckout.com
DEVPOST	https://devpost.com/software/disposable-digital-wallets-pointcheckout
DESCRIPTION	0
PROBLEM	Distribution of public (micro)funds to citizens in the good days is very fragmented, and in times of crisis such as during the COVID pandemic the pressure on quick distribution is immense. The biggest problem is the vast difference between citizens in all dimensions be it age groups, locations, welfare situation, banked or unbanked etc, makes a common solution difficult. The need is for a scalable, simple to use solution to distribute funds that is also traceable, ye using the existing infrastructure as time is of the essence to get to as many people as quick as possible.
SOLUTION	PointCheckout intends to use QR code technology to issue a digital 'disposable' wallet with credit for distribution of funds to citizens or merchants alike, sent through messages such as sms or whats app, etc. Each issued code and its details could be recorded on a blockchain ledger to prevent fraud, and the QR code could be displayed in any form, on a browser, mobile, even printed. The wallet could be used several times till amount is depleted, then it is disposed. For redemptions, the owner of the wallet has 3 options: cash withdrawal from an ATM or bank teller (possibly post office), direct purchase at a participating merchant, or transfer the wallet balance to an existing bank account if available. The distribution of the wallets takes place through a central issuing API platform based on inputs of Name, phone number, date of birth, citizen/social security number, and wallet amount.

NAME	PolyVent
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Australia, USA, Netherlands, Germany, Ireland, UK, India, Canada, Russia, France, Greece
MEMBERS	21-50
WEBSITE	https://devpost.com/software/polyvent-ultimate-global-ventilator-design-formula
DEVPOST	https://devpost.com/software/polyvent-ultimate-global-ventilator-design-formula
DESCRIPTION	<p>PolyVent - global volunteer team of experts</p> <p>We are an international group of 40+ experts which formed 8 weeks ago in response to the global ventilator shortage crisis. Our team has a wide range of relevant skills in medicine, science and engineering which allowed us to design a tailorable ventilator concept for easy production around the globe. We see ourselves as a bridge between organizations like universities, companies and governments by creating a universal ventilator design formula.</p>
PROBLEM	<ol style="list-style-type: none"> 1) Global shortage of mechanical ventilators due to COVID-19 causing preventable loss of life 2) Limited ventilator supply as existing ventilators too complicated to manufacture and improvised ones do not fit minimal standards/not scalable 3) Strained medical device manufacturers and supply chains 4) Crisis-related production and logistical struggle 5) Lack of timely delivery due to entrenched bureaucracy, IP and distributor/repair rights 6) Difficulties in global design aggregation and adoption into production
SOLUTION	<p>Designed to meet recently published UK's MHRA emergency ventilator standards, PolyVent is an open-source ventilator design concept for emergency production which is affordable, easy to operate and scalable concept which reduces the strain on the healthcare supply chain, mitigates IP/distributor/repair rights issues and allows for easier integration into the local production landscapes. PolyVent includes:</p> <ol style="list-style-type: none"> 1) The ventilator system which includes: <ol style="list-style-type: none"> a) a pump module with two independently-controlled air-pumping bellows driven by linear actuators for main respiratory cycle and base flow (PEEP control) respectively, with safety features like overpressure valves and leak alarms. b) Real-time flow, pressure and volume measurement with feedback to digital control systems . c) Patient-initiated or automatic (timed) inspiratory cycle with real-time breath rate measurement. d) Warmed humidification e) Oxygen and air mixing and filtration and other features. 2) A dynamic mathematical model for PolyVent design optimization, scaling and validation to help government decision makers to adapt the ventilator design to their local needs and capabilities. 3) VentCloud (to be developed) - a system to collect de-identified technical and clinical analytics data. Obtained from multiple ventilators and their modules, VentCloud will allow for local and global monitoring of

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ventilator performance and gathering of epidemiological data in order to optimize the use of ventilators in a pandemic. Our goal here is to offer the possibility to "monitor the pandemic through the eyes (sensors) of multiple ventilators".

NAME	Poslovna inteligencija d.o.o.
DOMAIN	Digital Finance
HEADQUARTERS	Croatia
TEAM MEMBERS	Croatia
MEMBERS	51-100
WEBSITE	www.inteligencija.com
DEVPOST	https://devpost.com/software/birdbox-6r59dj
DESCRIPTION	A leading company in the field of analytical systems implementation and strategic ICT consulting in South Eastern Europe, we are specialized in the implementation of intelligent information systems for decision support and we provide implementation services for data warehousing, big data analytics, data integration, business intelligence, data mining, planning and budgeting, financial consolidation, business results management, risk management, and master data management.
PROBLEM	<p>Our solution can help governments to find optimal strategies for financial relief packages by quickly detecting the most critical areas and finding the ones where the stimulus would have the best possible impact on generating revenue, saving jobs, preventing companies shutdown by performing different scenarios.</p> <p>Our platform will allow governments to test different scenarios and simulations of how crisis or financial assistance affects the economy. The solution's impact to the crisis would be: Saving jobs Minimizing effects of the recession Better decision making in government and financial sectors Better resource allocation for financial injections in crisis based on real data Better understanding of market forces performing different simulations.</p>
SOLUTION	<p>Birdbox is modern scalable, cloud-ready web application built out of several cutting-edge technology components. Following components and framework are used:</p> <ul style="list-style-type: none"> MongoDB – Storage layer NodeJS – Backend Python – Calculations and algorithms Javascript - Frontend <p>For the purpose of the hackathon BirdBox uses generated data that can be available from regulatory bodies or financial agencies on the country or EU level. In order to build even better models and simulations, this aggregated transaction data can be enriched with additional datasets. Our assumption is that transaction data is owned by governments and regulatory bodies and that this data may be available for implementation of application scenarios.</p>

NAME	Project Lockdown
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Estonia
TEAM MEMBERS	Spain, France, Estonia, Sweden, Canada, United States, India, Malaysia, Uganda, Cambodia, Myanmar, Serbia, Italy, Netherlands, Russia, Mexico, Brazil, Hong Kong, Singapore, Belarus, Philippines, Nigeria, United Kingdom, Tanzania
MEMBERS	21-50
WEBSITE	ProjectLockdown.world
DEVPOST	https://devpost.com/software/project-lockdown
DESCRIPTION	<p>Project Lockdown is a web platform & open data API providing a mapping of the different NPIs (Non-Pharmaceutical Interventions) enforced across the globe in response to the COVID-19 crisis to monitor their effect on Human and Digital Rights.</p> <p>Project Lockdown is an initiative by The IO Foundation (TIOF), an international nonprofit, in partnership with regional and international organizations conforming a team of over 50 volunteers.</p>
PROBLEM	<p>Beyond cold numbers, the consequences of the COVID-19 crisis are very real and the policies undertaken by governments worldwide are creating a very different world in front of our very own eyes.</p> <p>Often enough, understanding the global scale of these policies or their impact in localizing a once interconnected planet is not straightforward. The lack of information and tools to consolidate it prevents proper evaluations. Moreover, a substantial amount of governments are seen this crisis as the perfect scenario to push for reforms that infringe Human and Digital Rights if left unchecked.</p>
SOLUTION	<p>Project Lockdown helps understand the actual implications of the current crisis through the enacted response policies in an easy, intuitive manner. We hope this will be a tool used to create positive impact and ensure that policies remain observant of Human and Digital Rights.</p> <p>We currently have a Web Platform mapping a number of identified NPIs (Non-Pharmaceutical Interventions) live in BETA. We also provide a open data API that is compatible with the Humanitarian Exchange Language (HXL).</p> <p>Moving forward, Project Lockdown is rapidly expanding its partner</p>

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network to become a global Rights Observatory by incorporating new datasets other policies that are decisive in the observance of Human and Digital Rights.

NAME	Qesadila the eID voting system for municipalities and institutions
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Slovakia
TEAM MEMBERS	Czech Republic, Slovakia
MEMBERS	1-10
WEBSITE	www.qesadila.com
DEVPOST	https://devpost.com/software/qesadila
DESCRIPTION	<p>Problem and solution overview: https://vimeo.com/zubo/qesadila-en</p> <p>During the pandemic, it is also necessary to protect democratic institutions. Anyone can be send to quarantine, hospital, or stay home. Elected representatives in municipalities, institutions, need a way how to participate online on decision making process secure way.</p> <p>Qesadila is e-voting system designed for municipalities, allowing online voting with eID authorization. We focus on European union countries so as national eIDs. Currently we support Estonian, Czech, Slovak eID.</p> <p>Srdcom doma - the service provider is NGO registered in Slovakia. We care for constitutional rights, so as participation on voting. We mobilized citizens from abroad to participate on last parliamentary election so 3 times more voters participated. During the pandemic we care for constitutional rights of the citizens send to quarantine or refused to enter Slovakia from abroad.</p>
PROBLEM	<p>Pandemic is challenge for democracy. Maintain institutions nowadays means to protect elected representatives' rights to participate on taking decisions. The city council meetings in many countries are (base on the law) personal, public and risky because of infection.</p> <p>For many citizens the municipalities are representing the democracy as closest institution. Many citizens participate on the public meetings to control representatives.</p> <p>Without any change we can expect spread of the virus between elected representatives and citizens joining meetings of the municipalities. During the time there could be so many victims, that remaining persons will not fully represent the citizens (voters).</p> <p>People in the quarantine, staying at home caring for relatives, or in the hospital have limited possibilities to participate.</p> <p>Many countries are looking for the solution. Unfortunately, some politicians already started to limit the competencies of the city councils, temporary switching off the national parliament, arguing by protecting the representatives.</p> <p>Another politicians without IT security knowledge allowed to use risky tools for making decisions. European parliament temporary use e-mail voting, cities in Slovakia started to use video calls, e-mails, signed papers as the voting evidences. If real time deep fake video are possible, e-mail can be changed, anyone can doubt such a decision so as institutions, or democracy.</p>

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SOLUTION	<p>Qesadila allows secure online voting. Voter authorizes each voting ballot signing with eID, using PKCS#11 worldwide standard (commonly issued by governments), X509 or PGP certificate.</p> <p>Voting from home, quarantine, hospital, or business trip will protect elected representatives and maintain democratic processes. The decisions will be more representative.</p>
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NAME	Qpon
DOMAIN	Digital Finance
HEADQUARTERS	Bulgaria
TEAM MEMBERS	Bulgaria
MEMBERS	11-20
WEBSITE	www.qpon.bg
DEVPOST	https://devpost.com/software/qpon
DESCRIPTION	<p>The idea for QPON was born during the Bulgarian “Hack the Crisis” hackathon. Since then we have validated and refined the idea and made significant progress with the development of the platform. We are incorporating a limited liability company in Bulgaria. The combined skillsets and experience of the team make us confident that QPON will operate successfully. We are on track to launch in June and create a considerable positive impact on the jobs market in the foodservice industry within weeks.</p>
PROBLEM	<p>Social distancing measures required over 1.5 million venues across Europe to temporarily close doors, forcing these businesses to face unprecedented business uncertainty and lay off many of their 8 million employees. Even as the F&B industry pivots to food delivery and national governments put in place SME support packages, there is a real risk that some venues will not weather the storm. This will create a long-lasting crisis in a sector, which has a significant share of the jobs market throughout Europe.</p>
SOLUTION	<p>QPON is a gamified crowdfunding platform enabling loyal clients to purchase discounted vouchers for future use from their favorite venues. We provide alternative funding for the businesses in a fast and easy way by leveraging the existing client base of each venue. Clients are enticed to purchase vouchers via gamification and an opportunity to earn material and non-material rewards. QPON uses a wallet-based payment solution, which is integrated within a simple but powerful mobile application.</p>

NAME	RealValue
DOMAIN	Business Continuity
HEADQUARTERS	France
TEAM MEMBERS	France
MEMBERS	1-10
WEBSITE	www.realvalue.ai
DEVPOST	https://devpost.com/software/touche-cfp6hs
DESCRIPTION	<p>RealValue is a computer vision-based intelligence platform focused on measuring and optimizing the customer experience. We collect video streams from any cameras (security cameras & devices cameras) and apply proprietary algorithms to deliver meaningful analytics. The collected information leads to interesting measurements such as dwell time, queue time, occupancy, mood index, engagement quotient, etc. so that our clients can understand their end visitor demographics and behavior.</p>
PROBLEM	<p>COVID led to confinement. Confinement has infected the global economy and made it sick.</p> <p>People are afraid to go back to their workplace and business continuity has become a real issue. The challenge of our time is _ how might we improve employee confidence & boost customer trust _ that businesses are doing enough to minimize the virus infection?</p> <ul style="list-style-type: none"> - We need more than medicines and masks to help kickstart the economy. - We need a structured deconfinement to bring back the economy. - We need to build trust and confidence with employees and customers. <p>Safe Access brings back confidence in the economic system. Our goal is to help business owners and operators verify/enforce/reinforce mandatory protocols for their spaces (whether an office, an airport, a train station, a school, etc).</p>
SOLUTION	<p>SafeAccess is a hassle-free, privacy-first, secure, and touchless access management solution that can be customized to suit the needs of different sectors and prevent the spread of the COVID virus. This device-service can be installed in various places such as at the entry of a modern office, a busy clinic, train station gates, university doors, or gates of a retail store for example.</p> <p>Safe Access offers tablet-like smart devices that use the latest advances in machine learning to:</p> <ul style="list-style-type: none"> -detect whether incoming employees/customers/humans are wearing masks or not using a simple add-on camera, -detect body temperatures using a thermal camera, -allow touchless interaction, using gestures, -operate an automated door, -trigger hand sanitizer dispensers -count (but not track/identify) people helping manage queues and occupancy & density capacity.

NAME	Rehabuild
DOMAIN	Health & Life
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/rehabuild
DESCRIPTION	<p>We want to democratize access to physical rehabilitation worldwide. We create platforms that allow patients to access the treatment they need using their mobile phone in a safe, effective and affordable way, and without leaving home</p>
PROBLEM	<p>The COVID pandemic has overwhelmed our ability to provide rehabilitation to our patients. Over 1.3 million cases of COVID-19 have been reported worldwide and 32% of the diagnosed cases have required hospitalization. Most rehabilitation doctors have been relocated to newly created COVID wards and rehabilitation gyms have been transformed into intensive care units, so we lack the resources to treat our COVID patients. Traditional therapies are especially resource-intensive as they require individualized, long term rehabilitation by skilled multidisciplinary teams, that we are unable to provide during the pandemic.</p> <p>Rehabilitation is a key phase in the recovery from many illnesses. Although most medical efforts are currently focused on facing the pandemic, we must keep in mind that there are many patients with concomitant pathologies that require care. We see cases of PICS, stroke, hip or shoulder fractures being admitted daily at the hospital, which require urgent rehabilitation. In many of these cases, postponing treatment is not an option since if deficits are not treated early they tend to become permanent.</p> <p>Therefore, we have a large volume of patients who need attention for COVID and its complications without doctors to evaluate them, therapists to treat them or gyms to place them.</p>
SOLUTION	<p>For the more severe patients affected by PICS or stroke, we have developed cereVRaI. CereVRaI is an affordable virtual telerehabilitation platform that helps patients with neurological and physical deficits regain their independence. Using the patient's smartphone we aim to provide evidence-backed, cost-effective virtual neurological telerehabilitation therapies.</p> <p>We decided to design our own therapies from scratch to eliminate the adoption barriers of virtual rehabilitation and minimize our therapist workloads, testing these therapies daily to continuously iterate and improve them based on our patients' feedback.</p> <p>Our platform improves the quantity and quality of the treatment received by our patients without overloading their careers and therapists, avoiding unnecessary trips to the hospital and improving our patients engagement, bringing us closer to that ideal treatment that we are unable to provide</p>

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NAME	RMLC Visor
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Germany
MEMBERS	1-10
WEBSITE	http://www.rmlc-visor.eu/
DEVPOST	https://devpost.com/software/rmlc-visor
DESCRIPTION	0
PROBLEM	Even as the Covid-19 crisis seems to relax a little in the EU the supply shortages of personal protective equipment become more dire as the virus still spreads around the globe. Industrialized countries outbid each other for PPE and raise the world market prices. Developing countries, which barely can support their healthcare systems in normal times, can't compete.
SOLUTION	The Rapid Manufacture Low Cost (RMLC) Visor is an extremely easy and cheaply to make face shield.

NAME	Robin
DOMAIN	Business Continuity
HEADQUARTERS	Italy
TEAM MEMBERS	Italy
MEMBERS	1-10
WEBSITE	www.robin4sme.eu
DEVPOST	https://devpost.com/software/robinhood4business-avj92c
DESCRIPTION	<p>The company follow agile methodology to quickly adapt to market circumstances.</p> <p>The whole team uses a shared kanban board where we can track all the ideas and the activities that should be performed by the different team members.</p> <p>On a weekly basis we prioritize the activities and team members can focus on what is more important.</p> <p>Ad-hoc synchronizations can be done when needed to discuss relevant topics.</p> <p>We have a team channel to share important updates and get feedback, whenever it is needed.</p>
PROBLEM	<p>The project has the scope to address 1 main pain point of the SMEs nowadays which is the competition with the big players. It also support the current Covid crisis by allowing the SMEs to not stop their business with the home delivery of their goods/services. Typically SMEs like small shops and local businesses (i.e. artisan) do not have neither the economic power nor the IT knowledge to build digital solution and increase their business and visibility. The project solves exactly this problem by providing to the SMEs a very easy to use platform (through the browser, tablet or mobile phones) to create offers/promotions that will reach a wider range of customers (compared to the people passing by the local shops). The project manages the full lifecycle of the promotion, from the creation to the conversion into an actual purchase. Purchased promotion can be delivered at home or picked-up directly at the SMEs shop. The project may also support the SMEs in the risk management area by reacting rapidly to situations that will generate a loss of revenues. For example an hairdresser shop that has a last minute appointment cancellation from a customer may create a real time half price campaign to avoid the complete loss of revenues.</p>
SOLUTION	<p>The Robin project is a “Real-time Mobile Marketing Services” solution.</p> <p>Robin in short is:</p> <p>A ready to use (SaaS + Mobile App) Business Solution, able to generate Sales and promotions to individuals, based on personal favorites/interests & geo location, by SMEs in real-time. Promotions may also be actively searched and purchased directly from the individuals without the need to use the geo location.</p> <p>A solution able to generate completely new revenue streams for the SMEs.</p> <p>A solution able to digitalize the SMEs business at virtually no costs or very affordable one.</p> <p>A solution being operable in a cloud model.</p> <p>Once the purchase has been completed the SMEs customers may decide to have the goods/services delivered at home, very important</p>

during the crisis, or to pick it up at the local store.

The solution is using quite a complex engine for the proximity generated promotions.

Promotions will be sent based on a set of likings specified by the customers plus, through the ML algos, the probability that the customers will be interested in that specific promotion category.

A Smart Sending Strategy (3xS) has been implemented, taking into consideration all predictive and known elements in order to avoid spam.

Based on the possibility that the customer can set up a limited number of promotions per day, again to avoid spam, a decision tree that will evaluate the following condition has been implemented:

Binary Logic (BL) – is the indicator that tell that there is a match between the customer likings and the promotion category.

Time of the day (ToD) – Time when the BL is fired. It is divided in a configurable number of slots for example:

24:00 – 06:00 | 06:00 – 12:00 | 12:00 – 18:00 | 18:00 – 24:00.

Promotions Sent (PS) – % of promotions sent against the total per day. It is divided in a configurable number of categories, for example:

0% – 33% | 33% – 66% | 66% – 99%.

Machine Learning (ML) – Probability that the Customer will purchase the promotion based on the customer previous purchases. It is a number between 0 and 1. The ML algo will increase its efficiency over the time. Usually a ML algo needs quite an amount of data to produce relevant outputs. This will not be the case at the beginning.

Merchant Promotion Generated (MPG) – Number of promotions sent during the day for a given merchant. It is very important to be taken into account to ensure that there will be no discrimination against the merchants.

NAME	Safelines
DOMAIN	Business Continuity
HEADQUARTERS	France
TEAM MEMBERS	France
MEMBERS	1-10
WEBSITE	https://safelines.netlify.app/
DEVPOST	https://devpost.com/software/safeline-2wdluf
DESCRIPTION	We are two French students in engineering and business. We are working on our project but we need help to develop our application. We cannot afford to hire a developer, so one of us is learning how to code an application.
PROBLEM	With social distancing being set by the government in all public areas, massive waiting lines were formed in front of every first-necessity shops at peak times, which causes overcrowding in shops and increases the risk of contamination. How can we do to reduce those waiting lines, avoid overcrowding and at the same time reduce the risk of contamination for both customers and employees?
SOLUTION	Safelines is an application that aims to limit waiting lines and regulate the number of people in the store with registration. Store owners propose time slots with a number of customers they think they can welcome in all safety. As a result both the customer experience and work conditions will be improve with a true feeling of security. Safeline will make shopping easier and safer for everyone.

NAME	SciFunmily
DOMAIN	Remote Working & Education
HEADQUARTERS	Portugal
TEAM MEMBERS	Portugal, Spain
MEMBERS	1-10
WEBSITE	0
DEVPOST	https://devpost.com/software/scifunmily
DESCRIPTION	Live Virtual/Online Museum and Science Center tools for the whole family and schools to support parents taking the main educational role and help Museums and Science Centers keeping revenue.
PROBLEM	<p>This project focuses on two major problems caused by the COVID-19:</p> <ol style="list-style-type: none"> 1) Families are at home, most parents are fulfilling the role of the teachers without the chance of having interaction in terms of non-formal education by a third party; 2) Museums and Science Centers are closed, losing revenue, even firing people to be able to pay their exhibitions maintenance. <p>Our goal is to connect families to Science Museums without compromising the interactivity of the experience and helping in maintaining the Science Centers and Museums in business.</p>
SOLUTION	<p>Our solution is to create a website and an app that provides live stream content, connecting the scientific educators from Museums and Science Centers with families, contributing with the experience of a real tour, guided by a STREAM educator and giving non-formal scientific education.</p> <p>In this service, the users can ask questions and interact with exhibits, response to trivia and even do lab/tinkering experiences in real time with an expert in the area, a real live interactivity!</p> <p>In later stages we plan to implement a set of experience kits that users can buy or rent, providing them the opportunity to do an experiment in sync with the Science Center staff remotely.</p> <p>Basically it's a platform where we connect families and schools to science culture.</p> <p>Due to the lower cost for families and low logistics for the Science Centers, this is a long-term solution. Even after COVID-19 our service can be used by families and schools in remote or distant areas, or from unprivileged backgrounds.</p> <p>With us Museums and Science Centers will have a another source of revenue.</p>

NAME	SARS-CoV-2 breathalyzer
DOMAIN	Health & Life
HEADQUARTERS	France
TEAM MEMBERS	Belgium, France, Germany, Ireland, Bangladesh, Iran, US, Turkey
MEMBERS	1-10
WEBSITE	https://devpost.com/software/instant-sars-cov-2-breathalyzer
DEVPOST	https://devpost.com/software/instant-sars-cov-2-breathalyzer
DESCRIPTION	<p>We are a collaborative team of volunteer researchers, students, engineers, and scientists working together on a concept that we believe is ready for feasibility studies in academic research laboratories.</p> <p>We are aiming to partner with interested research institutions possessing the necessary expertise and know-how to attract initial funding for feasibility studies, before moving on to the industrialization phase.</p>
PROBLEM	<p>Despite being associated with reproduction numbers comparable to many endemic respiratory pathogens, SARS-CoV-2 has been hugely disruptive due to its ability to evade detection by simple symptomatic methods such as measuring body temperature. Weakly symptomatic, pre-symptomatic, or asymptomatic patients have typically been able to contaminate others and spark infection clusters, days or even weeks before detection.</p> <p>Recently, whole regions and countries have resorted to extreme measures such as full lockdowns, restricting even the most basic freedoms at a huge societal and financial cost.</p> <p>Large respiratory droplets are widely recognized as a significant infection pathway, and there are increasing concerns that even aerosols lingering in the air could be a significant route of Covid-19 infection. These factors could greatly limit the ability to bring the pandemic under control, even with careful infection control measures in place (such as handwashing, disinfection, social distancing, and facemasks).</p> <p>There are two existing screening methods related to the SARS-CoV-2 virus: PCR (which establishes an ongoing infection), and serology (which indicates that the patient has met the virus). Unfortunately, there are no simple devices that quickly measure contagiousness through breath at the point of testing.</p> <p>In the absence of a proven vaccine or treatment, radical advances are needed on the quick testing front: we need to identify quickly and cheaply those who are likely to infect others in confined spaces, before any of the suspicious signs that currently warrant conventional testing. Failing this, partial or periodic full lockdowns might remain necessary for the foreseeable future.</p>
SOLUTION	<p>Background: There are increasing reports of the possibility of SARS-Cov-2 transmission by aerosols generated during normal breathing and speaking. In addition, it is now established that transmission can occur during the asymptomatic phase of the COVID-19 disease (i.e. no obvious symptoms).</p> <p>Solution: Our solution is to develop a quick screening device that detects</p>

SARS-CoV-2 virus particles in exhaled breath.

Product: The device would be similar to a breathalyzer device, with exchangeable parts and an easy-to-clean core to avoid cross-contamination between measurements and between users.

Technology: The device will use a combination of established aerosol, microfluidic, and optoelectronic technologies using a specific fluorescent probe for the detection of the SARS-CoV-2 virus particles:

- The droplets in the exhaled breath will be collected then further processed using microfluidic technology.

- The virus particles will be tagged by merging the exhaled droplets with droplets containing fluorescent probes originating from an aqueous solution stored in a removable cartridge.

- The fluorescence of the probe can be controlled by use of an appropriate quenching mechanism (e.g. quantum dots) in order to specifically detect the virus-bound probe.

- The optical detection relies on the micro resonator properties of water droplets.

- A laser will be used to excite the fluorescence of the probe-bound particles in the droplets, and the emitted signal will be detected by a fast photodetector or a spectrometer, physically separated from the optofluidic circuit.

NAME	Senswear / Hearable Labs
DOMAIN	Health & Life
HEADQUARTERS	Germany
TEAM MEMBERS	Germany
MEMBERS	1-10
WEBSITE	https://www.hearablelabs.com/
DEVPOST	https://devpost.com/software/senswear
DESCRIPTION	0
PROBLEM	<p>Front line workers are at high risk of contracting COVID19. Even with the best prevention methods, close contact with patients means that some of these workers will contract the virus. In this situation, how might we best care for the worker's health while limiting their likelihood of spreading the virus further?</p>
SOLUTION	<p>Early detection of symptoms would allow front line workers to access treatment as early as possible in the event of their contracting the virus. It would also allow them to begin social distancing as early as possible in order to reduce further spread of the virus.</p> <p>SensWear is a wearable device that continuously monitors the vital signs of front line workers as they go about their day. It measures core body temperature, heart rate, SpO2 and respiration rate and is positioned at the ear in order to get the most accurate measurements. It does not obstruct the worker's ability to hear.</p> <p>In addition to providing early warning of COVID19 symptoms, SensWear collects valuable biometric data that can be used for research into how the onset of the virus progresses.</p> <p>Senswear is worn on the ear like a wireless earbud. It senses vital signs inside the user's ear canal and saves them in memory on the device. This data is wirelessly transmitted at regular intervals, either via the user's smartphone or over the hospital's wireless network, to a central server.</p> <p>An algorithm running on the earpiece gives a warning via audio message to the worker if symptoms are detected. This warning is also relayed wirelessly to the phone or network to ensure it is not missed. The user can also hear a readout of their vital signs at any time by pressing a sensor on the earpiece.</p> <p>The earpiece contains a rechargeable battery that lasts for up to 12 hours. It is ergonomically designed for all day comfort and features a vented earpiece design so that hearing ability is not obstructed.</p> <p>If allowed by the workplace, the ability to take calls and stream music via the earpiece can be unlocked.</p>

NAME	Serratus
DOMAIN	Health & Life Other Science and research
HEADQUARTERS	Canada
TEAM MEMBERS	Canada, Spain, United States
MEMBERS	1-10
WEBSITE	http://serratus.io
DEVPOST	https://devpost.com/software/serratus
DESCRIPTION	<p>The SARS-CoV-2 pandemic has infected millions and has already crippled the global economy.</p> <p>While there is an intense research effort to sequence SARS-CoV-2 isolates to understand the evolution of the virus in real-time, our understanding of coronavirus evolution is limited by the poor characterization of other members of the Coronaviridae family (only 421/957 CoV sp. Genomes are available).</p> <p>We are re-analyzing all RNA-sequencing data in the NCBI Short Read Archive to discover new members of Coronaviridae and assemble their genomes. That is >1.12 million biological samples or 5.72 petabytes of sequencing data.</p> <p>Intro: https://youtu.be/MtZk7JEOzus</p>
PROBLEM	<p>The closest known ancestor to SARS-CoV-2 is almost 30 years in the past. That means there are 3 decades of viruses which we have not yet discovered that tells the evolutionary history of this virus. Our goal is to fill the gap in the evolutionary history of SARS-CoV-2 and all coronaviruses. By doing this it will have direct and real world applications for the global COVID-19 research community.</p> <p>All of our data is released into the public domain at time of generation. All of our software is open-source. The object is to generate data and share it as broadly and quickly as possible.</p>
SOLUTION	<p>At it's core, we have developed an AWS Cloud based architecture that is capable of rapidly scaling to process large amounts of RNA and DNA sequencing data in parallel. With Serratus we can process upwards of 30,000 samples per day or ~200 TB of sequencing data.</p>

NAME	SERS4SARS
DOMAIN	Health & Life
HEADQUARTERS	Greece
TEAM MEMBERS	Greece, Austria
MEMBERS	1-10
WEBSITE	https://devpost.com/software/sers4sars
DEVPOST	https://devpost.com/software/sers4sars
DESCRIPTION	<p>SERS4SARS is a team of Researchers from Greece (www.inn.demokritos.gr, med.duth.gr/en/) and Austria (http://www.unileoben.ac.at), interested in collaborating with the industry to commercialize its research. Our expertise and previous work ranges from Advanced Nanomaterials for sensors, to Optical Characterization, Molecular Virology and Artificial Intelligence. We plan to exploit fully our capabilities for the quick and reliable optical detection of the virus. Introductory video: https://youtu.be/m8pj1aVVsxY</p>
PROBLEM	Reliable, cheap and quick detection of the virus
SOLUTION	<p>Our idea is to exploit devices already on the market (including handhelds) for the detection of the SARS-CoV-2. These "Raman measurement" devices are regularly used for the detection of various substances, drugs etc. in locations such as airports. Surface Enhanced Raman Scattering (SERS) is a related technique that can detect quantities many order of magnitude smaller than the Raman technique, but is limited by the need of sophisticated substrates (where "plasmonic" effects take place). SERS can regularly get signal of specific biomolecules, RNA, proteins etc and in the last few years its use and market share has seen a significant increase. The need to diagnose disease at the earliest stages is driving the growth of the market which was \$1.5 billion in 2018 at a compound annual growth rate of 8.9%. Our idea, based on our joint expertise, is to develop substrates (disposable air filters) for the detection of the virus presence with a high repeatability. It is a technology that we can develop based on our previous work. On these air filters we will collect droplets captured from a person's breath or coughing. They will be our focus of development and our product (together with the protocol of their use). Our solution is scalable by definition, as it needs no development of equipment, only of materials; it has therefore the potential to be of low cost, extremely fast and be performed everywhere. As it exploits an optical technique, it can offer increased reliability without risks and without any special training for its operator.</p>

NAME	Sewers4COVID
DOMAIN	Other Digital Epidemic Observatory integrating sewer surveillance with external data to better manage the pandemic
HEADQUARTERS	Netherlands
TEAM MEMBERS	NL, UK, Greece, Spain
MEMBERS	11-20
WEBSITE	www.kwrwater.nl
DEVPOST	https://devpost.com/software/sewers4covid
DESCRIPTION	KWR, Not-for-profit water research institute. However, the team involves 4 organizations from 4 countries (Greece, Netherlands, Spain and UK).
PROBLEM	How to prepare for, raise early warning and manage the epidemic under the condition of limited resources (e.g., human and material).
SOLUTION	Providing massive virus surveillance from sewers with health and socio-economic data under one Digital Epidemic Observatory by using Machine Learning to link various data sources and optimize early warning and mitigation measures.

NAME	Signet.app
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Finland
TEAM MEMBERS	Finland
MEMBERS	1-10
WEBSITE	https://signet.app
DEVPOST	https://devpost.com/software/signet-app-identity
DESCRIPTION	<p>Signet Digital Ltd is a product startup focused on producing secure communication solutions for enterprises, governments and the public sector. We are experts on the risks of 3rd party messaging solutions and in leveraging them for safe communications.</p> <p>We established Signet Digital Ltd in 2018 and early validation came from the AVEX experiment of the Finnish Defence Forces. Our product is now ready for the market and we are looking for customers and funding to boost the growth.</p>
PROBLEM	<p>The Covid crisis has forced most institutions to a remote way of work. In many cases, the tools and processes aren't ready for this. Improvisation and misuse of tools lead to data leaks and vulnerability to fraud.</p> <p>This is not new, but now it touches more of us. Communicating securely and in compliance with EU regulations over the organizational borders is now more important than ever before. We are here to solve the problems from governmental communications to corporate supply chain operations in heterogeneous environments.</p>
SOLUTION	<p>We have an officially approved solution to privacy and impersonation risks in online communications that doesn't cost an arm and a leg. We secure existing and already familiar messaging services, with no need to replace them. We've developed Signet.app, as a mobile application, to keep track of your trusted contacts, exchange the security critical encryption keys, and encrypt & decrypt any content directly on your mobile device.</p> <p>All this without heavy investments in security hardware, private infrastructure and personnel training. Our core security technology along the application is being audited for national equivalent of EU-Restricted level communications, providing the international basis of interoperability for confidential communications using mobile devices as part of the available critical communications solutions on the security market.</p>

NAME	Skilllab
DOMAIN	Business Continuity Social & Political Cohesion
HEADQUARTERS	Netherlands
TEAM MEMBERS	Germany, Netherlands, Switzerland
MEMBERS	11-20
WEBSITE	www.skilllab.io
DEVPOST	https://devpost.com/software/test-rg4elc
DESCRIPTION	<p>Skilllab B.V. is a start-up headquartered in Amsterdam, the Netherlands. We create pathways to employment through technology and work towards to goal of more inclusive labor markets.</p> <p>Skilllab's clients and partners are those who run efficient labor services: public job and career services, private employment agencies and committed companies. The app is distributed by our partners to their end-users (those in search for a job or career change) and administered by our partners via an administrative portal.</p> <p>With Skilllab's mobile application, users identify and document their skills fast and explore occupations they could pursue as well as educational options available. Through the granularity of the skill assessment (building on taxonomies like the ESCO framework), it is possible to capture a users' experience in detail, match their skills to every occupation and show missing skills that would increase employability.</p> <p>The detailed skill assessment is enabled through Skilllab's award-winning assessment engine, which guides the user through an interview process to capture all skills performed and knowledge used in prior experiences. Through its deep learning ability, the engine naturally improves and further adapts to the situation.</p> <p>On the basis of their skill profiles, users can explore occupation and education matches and further understand their fit into the local labor market - a requirement that is expected to strengthen in the course of the recession following the COVID-19 situation.</p>
PROBLEM	<p>Skilllab's core organizational objective is to catalyze inclusive economic participation by using competency profiling to match people with the right professional development opportunities.</p> <p>Global trends affecting changing labor markets increasingly lead to mismatches between the demand and supply of skills, resulting in an eever-growingneed for skills-based matching in career and education services. Recognizing this need, Skilllab has taken a focused approach to build solutions that address this challenge in both a sustainable and scalable way.</p> <p>Since its incorporation in 2018, Skilllab has been developing a competency profiling and matching software that meet the needs of both public institutions promoting economic inclusion and individuals traditionally excluded from labour market participation.</p>
SOLUTION	The core technology at work is a mobile application that performs highly detailed assessments to capture an individual's employable skills,

automatically generate and translate comprehensive skill profiles, and map a person's unique skill set directly to occupations. Building on the European Skills/Competencies, Qualifications and Occupations framework (ESCO) model with 13485 unique skills and 2942 occupations, our AI based assessment engine guides the user through an interview process to capture all tasks performed and knowledge used in prior experiences.

Users can perform the skill assessment in 27 different languages while the system automatically translates all output into the language of the host country.

In addition to our existing technology, during the hackathon we developed a prototype of a pathway-graph to map from occupation at risk to those in demand, building on the European Skills, Competences, Qualifications and Occupations Framework (ESCO). The graph creates direct matches to potential occupations in demand. We want to integrate the prototype into Skilllab's existing technology, which would allow for faster production and an increased value proposition. This way the identified matches become more accurate, personal and meaningful as they link from the individual to the occupation.

NAME	Skyrocket Your Team
DOMAIN	Business Continuity
HEADQUARTERS	Estonia
TEAM MEMBERS	Spanish, Estonia, Dutch and Russian
MEMBERS	1-10
WEBSITE	www.skyrocketyourteam.eu
DEVPOST	https://devpost.com/software/skyrocket-your-team
DESCRIPTION	Skyrocket Your Team is an online team-building solution for distributed teams to combat the feeling of disconnection. With our escape rooms, they become a team, and in the meantime, they develop their communication and problem-solving skills.
PROBLEM	<p>Millions of people around the globe have suddenly been pushed to work remotely due to COVID-19, and that can be scary. Though there are good tools available for getting work done together with self-organized online coffee breaks and meetings, it's still easy to feel disconnected from our colleagues.</p> <p>Over time, distributed teams lack a meaningful connection and shared experiences to make them cooperate more efficiently with team members, develop new skills, and experience something different.</p> <p>Distributed teams is also a growing trend, so the disconnection between team members and miscommunication are also growing issues.</p>
SOLUTION	<p>Skyrocket Your Team is on a mission to bring remote teams closer together.</p> <p>We offer engaging and cooperative tailor-made online escape rooms for businesses with distributed teams. Through different challenges, teams have to solve a set of problems and learn how to communicate efficiently to succeed.</p> <p>The experience has 4 parts: Introduction, the escape room, debriefing, conceptualization and evaluation.</p> <p>Currently we have one escape room for team-building and developing communications and problem-solving skills. In the future we want to create onboarding processes through gamification. Imagine learning about GDPR with a quest with your colleagues, or getting to know the security measures of your company, but in a fun engaging way.</p> <p>Our services can be automated but we offer the possibility of customization and having a room master throughout the whole experience.</p>

NAME	Smartphones4good by Aion Sigma, Inc.
DOMAIN	Digital Finance
HEADQUARTERS	Finland
TEAM MEMBERS	Estonia, Finland, Italy, Romania, Sweden
MEMBERS	1-10
WEBSITE	https://www.aionsigma.com
DEVPOST	https://devpost.com/software/smartphones4good-s4g
DESCRIPTION	<p>We exist to enable equal opportunity to the digital 21st century to everyone in Africa. Majority of African are unable to afford a smartphone. Aion Sigma has been solving this problem in Africa for 3 years via fair finance. Smartphones4good is our bridge from our home in the EU to Africa.</p> <p>We are founded and backed by serial entrepreneurs and experts in financial inclusion. We welcome corporate phone donors and projects, and research partners https://devpost.com/software/smartphones4good-s4g</p>
PROBLEM	<p>In order for Africa to be on par with the EU in fight against the COVID access to internet is a must. Only 30% of African have been able to afford a smartphone until now due to low income and high cost of phones and lack of finance. Simultaneously it is estimated that only 15% of phones are recycled and up to 700 million phones hibernate at peoples homes in the EU.</p>
SOLUTION	<p>We turn the 700m hibernating phones into a force to finance women entrepreneurs to fight COVID. We make it easy as 1-2-3 to donate a smartphone for a good cause. Old smartphones receive a new life without actually transporting them to another country as that would not make ecological nor financial sense. Instead we sell the donated smartphones after data removal and finance new affordable quality smartphones to those who need them - empowering also the local commercial supply chain in Africa.</p> <p>The smartphones4good is a service that brings together donated phones, phone refurbishes, recyclers and used phone resellers. Currently in the EUvsVirus hackathon we have implemented the phone donation flow and grading admin flow as well as the store front to sell the phones. The store front will be open to phone refurbishes to buy and sell phones. (We have signed the first phone refurbished in Lagos, Nigeria during the hackathon.)</p> <p>We use the funds raised via the platform to finance women entrepreneurs in Africa. To the African women customers we have already deployed an empowering pay-as-you-go solution in several markets in Africa (Nigeria, Zambia and Cameroon). The finance solution consists of loan origination (inc. scoring), collateral management (phone lock if not paid for) and eventually an end-user application to display the earned credit history.</p> <p>On the phone donation side we intend to integrate with logistics services such as DHL, PostNord etc. to make the sending of the donation easy. We will also invite and employ volunteers to collect phones AND bring about a corporate donations via grocery stores and offices.</p>

#EUvsVirus
challenge

can you hack it?



NAME	Solartriumph
DOMAIN	Digital Finance
HEADQUARTERS	Spain
TEAM MEMBERS	Spain
MEMBERS	1-10
WEBSITE	www.solartriumph.com
DEVPOST	https://devpost.com/software/energyfine
DESCRIPTION	Renewable energy company
PROBLEM	Access to financial support for self-production of RN energy in homes and business. Saving the World and the electricity bill
SOLUTION	market place

NAME	SoloCoin
DOMAIN	Social & Political Cohesion
HEADQUARTERS	India
TEAM MEMBERS	India
MEMBERS	1-10
WEBSITE	https://www.solocoin.app
DEVPOST	https://devpost.com/software/solocoin
DESCRIPTION	SoloCoin is an app that rewards users in virtual coins based on their location. Currently, to engage in social-distancing, based on their location to their home. Coins can be redeemed for "Partner coupons, deals, subscriptions etc.". These partners can be SMBs, Local businesses, and any online B2C businesses from E-commerce, Entertainment, Lifestyle, Health, etc. Users can compete with friends, nearby users or globally via leaderboards. They can also participate in daily challenges, share their milestones across social-media.
PROBLEM	With people getting infected by COVID each passing day, Consumers have learned to stay home, preserve the money they have, and consume less. However, this affects the economy. Similarly, local businesses have experienced unprecedented losses. For those that have survived this period the possibilities for re-opening, recovery, and growth are limited and possibly bleak. SMBs don't have a sustainable solution through which they can grow their businesses again and recover their losses. Traditional ad-tech channels are broken and without significant investment, any business can't get RoI. But, with inbuilt game mechanics, we can motivate people to purchase and help SMBs advertise their product without any upfront investment. So, the perfect way to help both sides of the community SMBs and making it fun for people suffering to help the SMBs is gamification.
SOLUTION	<p>SoloCoin is an app that rewards users in virtual coins based on their location. Currently, to engage in social-distancing, based on their location to their home. It's basically an app that rewards users according to their proximity/location. (using the tech of GPS, Geofencing, and Accelerometer - to track whether the phone is put on idle or not - awards will be rewarded only when the user is using the phone). If their smartphone is within a certain radius (~20m) to a reward hotspot (Geofencing reward location), then the app will reward them with virtual coins that they can later redeem for "Partner Coupons". These partners can be SMBs, Local businesses, and any online B2C businesses from E-commerce, Entertainment, Lifestyle, Health, etc. Our app rewards, nudges, and drives beneficial consumer behavior. This will help post-COVID to accelerate economic recovery in local communities. They can also compete with nearby players for achievements and badges which they can later share with their friends.</p> <p>At the current stage, the app is used as a Social-distancing app with "Home geo-fence". After COVID, we can increase the geo-fence to multiple locations like "rewarding concerts, malls, local stores, etc." Our app can be used for concerts/stores, basically to gather people. The more they stay the more they earn. That way sponsors will get better</p>

revenue as well. Our app rewards, nudges, and drives beneficial consumer behavior. This will help post-COVID to accelerate economic recovery in local communities. Now if you think about it we're venturing into not a consumer app space but rather "Ad-tech" space. Our app can now be at the forefront of "Hyperlocal based targeted ads", basically directly competing with Google's and Facebook's Pay Per Click.

The global ads market is \$600B+ with digital advertising accounting for \$220B+. But there is a niche in hyperlocal digital-ads where specifically no-one has targeted their solution. Just in India, \$650B is the size of traditional retail shops. Simple and Engaging Advertising needs of such a big segment of the market will create an ad-tech boom in hyperlocal sector in India. We can be at the forefront on this market in the next 5-7 years.

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NAME	sostenibl.es
DOMAIN	Business Continuity
HEADQUARTERS	Spain
TEAM MEMBERS	Spain, Italy and Mexico
MEMBERS	1-10
WEBSITE	www.sostenibl.es
DEVPOST	https://devpost.com/software/sostenibl-es-akswzf/
DESCRIPTION	<p>sostenibl.es is a digital network for SMEs in the organic agri-food sector, with +100 members in Spain.</p> <p>To address the lack of market access that many small farmers and SMEs face amid this crisis, we are launching a digital farmers' market in June, which will allow small farmers to sell their products directly to end consumers willing to buy healthy, local food.</p> <p>This is a powerful tool not only for SMES, but also for customers, who can easily find local food and support small farmers with their purchase.</p>
PROBLEM	<p>PROBLEMS:</p> <p>Small farmers and SMEs in the agri-food sector sector are heavily impacted by Covid crisis. Social distancing and limitations in Horeca sector, tourism and local markets, plus expected decrease of exports are leaving SMEs in the sector without their main sales channels, and facing ruinous losses. Small family farms and food artisans are more vulnerable than ever, and many face the risk of closure.</p> <p>It is difficult to estimate the amount of losses and the impact that the crisis will have in the sector, where over 90% of companies are SMEs. For the time being, the Government has approved a comprehensive set of measures that include a line of public guaranteed credit of 100Bn euros (source).</p> <p>Spanish and European consumers, on the other hand, are experiencing a significant surge in food prices since the start of the pandemic. In Spain, last month the price of vegetables increased by 10.4%, the price of other basic products surged as well (source). Other EU countries, such as France, are experiencing also an increase in food prices during Covid crisis.</p> <p>On top of that, during confinement, many end-customers are being unable to buy their groceries online. Online sales channel is overloaded, supermarkets reported that their online sales during the past weeks went from 2% in 2019 up to 25% of their total sales (source). This often results in 1 to 2 weeks delay for home delivery. Pick up options are also delayed. Therefore, people in vulnerable populations or in quarantine in most affected areas have to relay in others or risk exposure in order to buy food.</p> <p>Besides, studies and surveys show that people want to buy local. After hundreds of comments and interactions with our audience we found that many people willing to buy local cannot find local and national products,</p>

and are frustrated about it.

OPPORTUNITIES

Covid crisis has meant a rapid acceleration of online grocery shopping acceptance. Amid the crisis, the volume of sales in the online sales channel in Spain has tripled (source). EU-wide survey by Toluna showed that 42% of respondents in Spain are shopping the groceries online during confinement. Other surveys predict that high traction of online grocery shopping will continue after crisis (source).

There is a significant demand of online grocery shopping not met by current players.

Only 5% of small farmers in Spain have a direct sales channel, compared to the average of 15% in EU, or 21% in France (source).

There is a visible need from SMEs to find new sales channels → farmers and SMEs using life hacks: selling via WhatsApp groups.

In traditional value chains, the price paid to the farmer surge fivefold by when it gets to end-customer (source). There is room to increase efficiency in the food supply chain, to ensure good prices to small farmers and end-consumers.

Digital transformation of SMEs in agri-food sector will be a key strategy to strengthen their resilience and competitiveness in the new market after crisis.

Goals of sostenibl.es are aligned with EU CAP (Objective 8)

There are opportunities to identify synergies for public-private partnerships to foster development of local food systems and short food supply chains.

We want to open sales channels for SMEs in the agri-food sector, that are adapted to new consumer trends, and where the small farmers and SMEs are empowered to sell their products at a fair price.

Also, we want to enable consumers to access local food and support the local business fabric with their purchase, without having to increase their food expenditure.

To do so, we are building a digital farmers market (B2B2C SaaS) to enable small farmers and SMEs to sell their products directly to consumers willing to buy healthy, local food.

Our solution will be ready to market in June, and we plan to start onboarding SMEs the last week of May.

ROLL-OUT

We will to begin the roll-out by leveraging our national network of +100 business members, as well as our partner's FADEMUR network.

SOLUTION

We will be launching the marketplace with a national reach, to support as many SMEs in need willing to join. In the short term, however, we'll be moving towards a territorial approach.

In the initial phase of the roll-out we will operate with a decentralized logistics model, by which the product will be shipped directly from the farmer to the end-consumer.

However, in the short to medium term we will focus on exploring innovative logistics solutions in 3 strategic regions, bearing in mind an added challenge: in most cases, agri-food SMEs are located in rural areas. Our vision is that click and collect solutions and smart lockers can play a role in enhancing logistics coverage in rural areas.

We want to partner with local and regional authorities, to support digital transformation of SMEs and the creation of connected local food systems. Moreover, such alliance will be instrumental to co-create the smart rural logistics of tomorrow.

PRODUCT DETAILS:

The core of the marketplace platform is built using open source software, although some functionalities require license.

The main features of the platform are:

- * Allow creation of unlimited dedicated, fully customizable e-shops for each vendor, with capacity to publish unlimited products.
- * Advanced but user-friendly analytics for each vendor.
- * Accounting features to make bookkeeping hassle free.
- * Dedicated app for vendors to make shop management seamless from any device.
- * Multi-vendor shopping cart → consumers can buy from as many vendors as they wish, with a single payment.
- * Equipped with geocoding and geolocation technology, which allows to display in a map vendors and/or products nearby. Users can explore the map or set the radius filter to show only the closest vendors.
- * Rating and review system → so that customers can show their love :)

NAME	sprovid / Goscore AS
DOMAIN	Digital Finance
HEADQUARTERS	Norway
TEAM MEMBERS	Belarusian, Polish, Norwegian, and Jewish
MEMBERS	1-10
WEBSITE	https://sprove.me
DEVPOST	https://devpost.com/software/sprovid
DESCRIPTION	<p>Goscore's solvency verification and credit scoring algorithm helps FinTech</p> <ul style="list-style-type: none"> - banks to get new borrowers and make personal loan offers by using relevant and up-to-date customer financial profile; - individuals to get more fair bank loan offers and make good financial habits by managing all their finances in one place. <p>PropTech</p> <ul style="list-style-type: none"> - landlords to get great tenants by using solvency verification platform, based on relevant data; - temporarily paid-off tenants to lower rent during the COVID-19 pandemic
PROBLEM	<p>During a survey of almost 2,000 landlords, we found that landlords most often face the following 4 problems:</p> <ol style="list-style-type: none"> 1) 40% - face to with overdue rent payment; 2) 30% - loss money (when tenants move out and do not pay rent arrears); 3) 49% - have eviction problems (for example, in Norway eviction procedures length 90 days, but in Germany it will be for 3-9 months); 4) lack of clear and easy-to-use solvency verification tools for choosing new tenants (for example, landlords are now forced to use not relevant and difficult to understand credit reports based on outdated information such as tax report for 2018). <p>The COVID-19 pandemic has exacerbated these problems in relations between landlords and tenants:</p> <ol style="list-style-type: none"> 1) some countries have introduced a moratorium on the eviction of tenants, i.e. landlord cannot evict non-paying tenant during pandemic; 2) due to COVID-19 a lot of people (more than 400.000 in Norway, and almost 60.000.000 in the EU, more than 37.000.000 in the USA) are temporary laid-off or fired. <p>In different countries the governments try to support temporary layoffs (for example, benefits 65-80% of salary). But none of the bills disappear: electricity, mobile and even rent. Tenants from the whole world ask their landlords about rental discount or decreasing rental payments because they lost their main source of income.</p>
SOLUTION	<p>1. Product. sprove</p> <p>To solve the main landlords' problem "how to choose a great tenant now to avoid problems with overdue payments and eviction in future" we developed sprove.</p> <p>sprove is an easy-to-use online platform that helps landlords get only quality tenants by checking their solvency based on more accurate up-to-date (this month) data, and cheaper than credit check.</p>

In simple words,

- 1) you as a landlord create your account;
- 2) add your rental property and get a verification link to each of your properties;
- 3) share it with potential tenants and then choose the favorite among solvent tenants.

For private landlords and property managers we provide sprove as online platform.

For marketplaces, mobile rental apps we provide sprove as API integration.

Try it today - <https://sprove.me>

2. Product. sprovid

We're not indifferent to the world COVID-19 pandemic. And that's why we to solve the main tenants' problem "how to ask landlord to lower rent during the coronavirus" we developed sprovid.

sprovid is a free (easy-to-understand) online service helps tenants to get a proof of changing their financial situation and show the ration reason for asking to lower rent (temporary).

In simple words,

- 1) tenant passes through the safe verification process using his/her daily bank account;
- 2) our ML (Machine Learning) algorithm analyzes data transaction and sees the amount of previous rental payment, amount of salary and benefits from government, other spendings and makes a conclusion about recommended rent during the coronavirus quarantine;
- 3) our service generates a unique certificate (with name, address, current/recommended rent and the date of certificate)
- 4) a tenant can share link to this certificate with landlord and ask to lower rent

Tenant can use:

- a template of letter to the landlord (for example, if tenant doesn't now how to explain what the link and certificate is);
- a template of temporary rent reduction amendment - it helps tenant and landlord to add this document to the main rental agreement and be sure that the both parties are agree to lower rent (and amount of discount, period).

We developed this solution during the EUvsVirus Hackathon (April 2020), were selected as a winner at Digital Finance category, and until now we're working on improving our solution and expanding it throughout the EU.

Try it today - https://demo.sprove.me/price_requests

Technology

For all landlords and tenants (at focus-group), our partners and mentors we explain how our solution works like this:

- 1) use your BankID to verify your solvency;

- 2) ... magic happens...
- 3) poof! you get results.

But for tech-guys we explain step.2 in more detail:

- 1) The solution is a web app optimized for mobile (or API integration solution) with an application form that tenant fills in providing necessary information and access to bank accounts to check income and spendings (for sprove) and validate and calculate the effect of temporal laid-off (income and rental payments for sprovid).

- 2) Frontend. We use Ruby on Rails with ReactJS on the frontend to deliver the most advances and real- time consumer experience.

- 3) API providers. We use account aggregation services Tink and Neonomics to build strong connections with banks and enable us to access more than 3000 banks at a time.

Legal issues

- 1) License. PSD2 allows to use account aggregation services with their licences. That's why we don't need to get our own license.

- 2) Patent. Machine Learning algorithms are nor patentable. That's why we don't need to get a patent. But Goscore AS owns 100% of Intellectual Property on developed software and algorithm.

NAME	Targomo
DOMAIN	Health & Life Other Mobility
HEADQUARTERS	Germany
TEAM MEMBERS	Italy, France, Germany, Brazil, Czech
MEMBERS	21-50
WEBSITE	http://targomo.com/
DEVPOST	https://ultrahack.org/submission/129e4100-afab-46c4-b5c9-ff63832a1c57
DESCRIPTION	<p>Targomo manages, enriches, and visualizes location data to empower organizations with actionable insights.</p> <p>For the hackathon, we have developed a tool to analyse and visualize ICU bed capacities. This tool is ready to be rolled out in other countries, it can also be applied to other resources and use cases.</p> <p>The tool is based on Targomo's location intelligence platform. The platform empowers organizations to optimize retail networks, deliver better public services (in particular capacity planning and public transport), or improve real estate searches.</p> <p>Furthermore, Targomo offers a variety of API services for developers: Routing Service, Polygon Service, Multigraph service, Point of Interest Service, Reachability Service, Statistics Service. Fleet Planner Service. (Full overview here: https://targomo.com/developers/)</p>
PROBLEM	<p>During the pandemic, it becomes more relevant to manage resources on a local level: The mobility of people is reduced and it becomes essential to strengthen services at location where their coverage is insufficient or the travel time distribution between demand and offer is not optimized (people have to travel far to reach the service). At the same time, the demand for resources also varies and can quickly change as the pandemic breaks out locally and spreads from there.</p> <p>The situation in some European in March 2020 has shown that shortages are detected when it's too late to act.</p>
SOLUTION	<p>Targomo develops a tool to analyze and map health-care capacities in order to identify possible undersupplies of relevant medical resources. The tool can be used to visualize ICU beds service coverage using travel time-based accessibility in different geographical regions. Census data, number of COVID-19 infections, ICU beds and Targomo's routing engine are combined with a gravitational model approach.</p> <p>Watch the hackathon pitch on YouTube: https://www.youtube.com/watch?v=zml7w8_Z-wo</p> <p>In addition to the 'capacity analysis' use case described above, the location intelligence technology already successfully optimizes retail networks, public services such as public transport, and real estate searches.</p>

NAME	Smart Finance Beyond Banking (SFB2) – COVID Credit
DOMAIN	Digital Finance
HEADQUARTERS	Norway, India
TEAM MEMBERS	Norway, India
MEMBERS	10
WEBSITE	https://digital.bfsiain.com , www.tcs.com
DEVPOST	https://devpost.com/software/sfb2-x19omt
DESCRIPTION	SFB2 is a team of innovators from TCS Digital BFSIAIM of Tata Consultancy Services(TCS). TCS Digital BFSIAIM focusing on developing cutting edge solutions for leading European banking and Insurance organizations.
PROBLEM	At this moment of crisis due to Covid 19 pandemic, governments all over the world are supporting their population to recover from their financial struggles. These relief funds need to reach in the hands of needy people to satisfy their daily necessities faster. On the same time the fund distribution should be secure and also it is absolute necessary to ensure these funds are not reaching the evil hands. Another aspect is to ensure that these funds will be utilized only for the intended purposes such as satisfying common man's daily needs such as groceries, medicines etc. And it is a must to reduce touch points at public places especially at stores for safe and healthy life during these days.
SOLUTION	The entire solution is addressing multiple stakeholders, the common man, merchants and the government. For the citizens, we have created an mobile app for easy reach and accessibility. The government and merchants can involve in the ecosystem through web portals. Below are key technical components: <ol style="list-style-type: none"> 1. Automated Workflow for faster & reliable approval process. 2. Machine learning capabilities for fraud detection. 3. Secure & transparent credit distribution to citizens powered by Blockchain. 4. QR code & Bar code scanners for contactless shopping 5. Data analytics & visualization tools to assist government and merchants to monitor and plan the business model

NAME	Teachers Lead Tech
DOMAIN	Remote Working & Education
HEADQUARTERS	Lithuania
TEAM MEMBERS	Lithuania
MEMBERS	1-10
WEBSITE	www.teachersleadtech.com
DEVPOST	https://devpost.com/software/teachers-lead-tech
DESCRIPTION	<p>Teachers Lead Tech – a guided learning tool for primary school teachers to bring technology literacy and technology creation to online and live classes.</p> <p>Teachers Lead Tech combines class subjects with technology creation and provides teachers with:</p> <ol style="list-style-type: none"> 1. Confidence, achieved by mentorship and community enabled support network. 2. Competence, achieved through a personalized learning path and constant practices. 3. Content: innovative, time-saving teaching resources based on best tech practices.
PROBLEM	<p>Teachers all over Europe have been facing challenges to build kids' confidence in ICT skills, while the World Economic Forum says that there will be 133 million new roles created by tech in 2022.</p> <p>The gap between the technology industry and education systems is widening and the COVID situation all over Europe has exposed it even more – low digital skills, insufficient teaching resources for remote work led thousands of teachers to despair and burnout.</p> <p>Only 15% of school teachers feel confident about using technology as a learning tool in the classroom, while time is the most limiting resource to 77% of teachers who are forced to 'get through the day' instead of thinking creatively and prepare innovative learning materials (Microsoft UK study - 2018/2019)</p> <p>Yet discussed for many years before, COVID context has brought a sudden and very clear need - teachers' adaptability and creativity in working with ICT.</p> <p>Unfortunately, teachers have had little or no support to adapt and gain future-proof skills.</p>
SOLUTION	<p>Teachers Lead Tech (TLT) – a guided learning tool for primary school teachers to bring technology literacy and technology creation to the classrooms.</p> <p>The tool provides teachers with:</p> <ol style="list-style-type: none"> 1. Confidence in using technology tools in their remote work (and after the crisis - in live lessons as well), achieved by mentorship sessions; 2. Competence and skills to use and create technologies, achieved by ongoing practical experience; 3. Content: innovative, time-saving teaching resources based on best tech practices, where various subjects (maths, languages, etc.) are merged with technology creation practices (programming concepts, 3D

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modeling, virtual reality, and others);

Due to COVID, we launched our MVP with 400 primary school teachers in Lithuania in April. 100% of teachers saw their digital literacy improve.

You can see our product MVP here: <https://youtu.be/hFw0v7TTa-Q>

NAME	Team Discover
DOMAIN	Health & Life
HEADQUARTERS	Hungary
TEAM MEMBERS	Hungary
MEMBERS	1-10
WEBSITE	https://devpost.com/software/team-discover-qg7kn3
DEVPOST	https://devpost.com/software/team-discover-qg7kn3
DESCRIPTION	We are a team of EIT Digital Master students, with many successful hackathon projects under our belt. Future innovators of Europe.
PROBLEM	<p>There are thousands of (potentially) infected people being monitored in hospitals in non-intensive rooms. These are cases that are not severe enough to be in ICU care, but if their conditions worsens, they need to be relocated there. Nurses work around the clock to help and monitor them many times a day, but current practices have huge shortcomings.</p> <ul style="list-style-type: none"> -There is a shortage of protective gear and they are highly overused, which puts nurses at high risk after having so many close physical contact with patients. -Just as with the equipment, there is also lack of human resource: nurses are critical to stay healthy so that staff numbers don't drop. -Monitoring the vital signs of a patient takes about 5 minutes for a nurse, without considering the changing of gear, which amounts to a small number of people being inspected under an hour. -The measured data are rarely entered and stored online, which limits any further analysis to be made.
SOLUTION	<p>We give nurses superpowers, by doing a 100 check-ups in the time that it used to take 1. All while being far from the patient, staying out of risk.</p> <p>Our solution enables a highly scalable patient monitoring system that minimizes physical contact between nurses and patients, which also leads to smaller shortage of protective gear. Instead of occasional visits, our device measures vital parameters real-time and uploads each patient's data into a central server. With the help of our dashboard, doctors and nurses can oversee hundred times more patients, while our automatic alert functionalities make it possible to diagnose deteriorating cases instantly and to reach quicker reaction times.</p> <p>In the span of 48 hours, we have created a fully-functional pair of 3D printed glasses, allowing patients to initiate frequent measuring of their vital signs, all by themselves. These include body temperature, oxygen saturation and respiratory rate, the key values nurses regularly check on coronavirus patients.</p> <p>The sensors (infrared temperature sensor, pulsoximeter and microphone) along with the LED strip were wired into an Arduino Nano to be processed and were shelled in a custom-made 3D printed case.</p> <p>Another key change in the field would be digitalization. Many hospitals still don't have a centralized medical system and database, while our</p>

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solution could start a new wave of data analysis and speed-up innovative activities in the health industry.

The available data and its analysis can also boost cross-European collaboration by sharing trends and new findings between countries, leading to more efficient and smarter future detection measures.

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NAME	Team FreshAir
DOMAIN	Health & Life
HEADQUARTERS	Romania
TEAM MEMBERS	Romania
MEMBERS	1-10
WEBSITE	https://www.facebook.com/FreshAir-PAPR-System-111506970541671/
DEVPOST	https://devpost.com/software/fresh-air-upznhf
DESCRIPTION	We are 3 volunteers that started working together on different open-source projects that benefit patients and medical personnel during the Covid19 pandemic crisis.
PROBLEM	Availability and large-scale use of PAPR systems
SOLUTION	A simple but very effective PAPR that is affordable and easy to scale.

NAME	Team JOP
DOMAIN	Remote Working & Education
HEADQUARTERS	Netherlands
TEAM MEMBERS	Canada, Germany, Malta, Netherlands, Spain
MEMBERS	1-10
WEBSITE	teamjop.com
DEVPOST	https://devpost.com/software/jop
DESCRIPTION	<p>Jop, an AI assistant helping teachers, parents and most of all kids to cope with the education challenges of COVID19. A fun edtechbot can free up teachers and staff.</p> <p>We aim to take away some of the stress on the short term and use this crisis to kickstart a new way of learning, tackling some of the existing challenges in education. We provide a careful policy of design thinking with privacy and security built in.</p>
PROBLEM	We aim to take away some of the stress parents have while combining a new role of home teacher while being a parent and having a job of their own too.
SOLUTION	Jop, an AI assistant helping children to work more independent while doing their homework.

NAME	The Human Project
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Netherlands
TEAM MEMBERS	Brithish, Italian, American
MEMBERS	1-10
WEBSITE	https://thehumanproject.app/
DEVPOST	https://devpost.com/software/unlocking-moments
DESCRIPTION	The Human Project reveals the sentiment of the global population and their stories while simultaneously creating genuine connections and support where it's needed during times of crisis.
PROBLEM	How might we help the population share their feelings and stories with the rest of the world in times of crisis, and provide them the support they need?
SOLUTION	<p>A platform that collects the sentiment of the global population along with their stories. Mapped in a way that it highlights where these communities need the most support during a time of crisis.</p> <p>Fully in the cloud, this application is running software that is both highly scalable and lightning-fast, ready for the high load that it's expected from it. This app has been built from the ground up with some of the latest technologies used by most tech companies. React, NextJS, NodeJS, Styled-Components are just a few of the core components of this application. The map is powered by Google Maps API with a custom theme tailored for our look and feel.</p>

NAME	The Keexle Open Source Project
DOMAIN	Business Continuity Remote Working & Education
HEADQUARTERS	Luxembourg
TEAM MEMBERS	Luxembourg, France, La Reunion, Scotland
MEMBERS	1-10
WEBSITE	www.keexle.com
DEVPOST	https://devpost.com/software/keexle-end-to-end-encrypted-remote-working-solution
DESCRIPTION	<p>Keexle is an end-to-end encrypted the collaboration platform suitable for the most sensitive data. Our open source project allows developers to build their own specific remote working solutions, protected by Keexle's technology. We provide a marketplace for providers to sell their solutions to end users.</p> <p>The core technology behind Keexle is the result of 6 years of Research & Development. It permits easy to use and flexible real time communication and collaboration in an environment that is always encrypted end-to-end.</p> <p>Our company shows that there is an alternative to the current system, an alternative reality where one does not need to sacrifice one's right to privacy when using the internet.</p>
PROBLEM	<p>During this unprecedented crisis, we have all had to adapt to remote working. Collaboration platforms have unsurprisingly soared in popularity. Tools such as Zoom & Slack may be appropriate for the communication of non sensitive information. However for businesses, institutions & organizations who handle confidential and sensitive data the privacy protections offered by these mainstream tools are entirely insufficient.</p> <p>Zoom has received the bulk of the criticism in the media in the last few weeks, however almost every collaboration platform has the same fundamental problem. User data is somewhat protected by TLS encryptions in transit, however the technology behind all these platforms necessitates content being decrypted when it reaches the cloud provider's server. This means the provider of the service has complete and unrestricted access to its user's data. On top of this, from a European perspective, all the major tools are US based companies, we feel its important for Europe to have its on tools, built and hosted in the EU, without the need for European data to be sent to overseas servers for analysis and exploitation.</p> <p>There also lacks a platform for developers to be able easy integrate end-to-end encryption to the tools they build.</p>
SOLUTION	<p>To help facilitate private and confidential remote woking during this crisis, during the Hackathon, we decided to open source the end-to-end encryption technology we have previously worked in order to provide an SDK / API to the world.</p> <p>This is the first step in The Keexle Open Source Project</p> <p>This project allows developers from across Europe and beyond to come</p>

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together to build tools that permit remote working, without sacrificing privacy for convenience.

The purpose of this is to give developers the chance to develop industry specific tools without having to worry about the cryptographic aspects. We can offer the community a strong layer of end-to-end encryption which can be applied to any kind of productivity application.

The goal of Keexle Open Source Project is to create a marketplace for developers to publish their tools. All the applications in the marketplace will be protected by our Keexle end-to-end encryption technology. This gives anyone who is looking for remote working tools that do not sacrifice privacy over convenience an ecosystem of solutions to browse, that they can be confident offer the highest levels of privacy and confidentiality.

NAME	The Village - A Revolutionized Global Learning Ecosystem
DOMAIN	Health & Life Remote Working & Education
HEADQUARTERS	Switzerland
TEAM MEMBERS	Switzerland, Germany, Lithuania, Ukraine, United States
MEMBERS	1-10
WEBSITE	www.VillageEDU.com
DEVPOST	https://devpost.com/software/the-village-keogvw
DESCRIPTION	<p>The Village has cracked the code on the education revolution.</p> <p>We have created a revolutionized global learning ecosystem that operates as a fully autonomous, fully decentralized, P2P, open sourced shared economy free marketplace by focusing on self directed & individualized learning to optimally develop a new era of conscious, confident and connected children.</p> <p>The community platform connects parents, teachers & children in a ratings and review based a la carte learning ecosystem.</p>
PROBLEM	<p>Education:</p> <ul style="list-style-type: none"> - Equal access to globalized learning - The global crisis and its effect on education. - The rigidity and inflexibility within the education business model that doesn't allow for the scientifically proven need for individualization for each and every child.
SOLUTION	<p>We have built a fully functioning community based platform utilizing React Native & Web technologies.</p> <ol style="list-style-type: none"> 1. Discover - Browse hosts & connect with like-minded families & teachers in your local or international community, or when traveling. 2. Schedule - on-demand or future meet-ups for intimate classes, private learning, group excursions, play dates or special activities. 3. Host - offer your service by become the community's newest host and offering to share your knowledge, talents, time & passions with other families and children. 4. Manage - easily manage your entire learning & extracurricular experience in one cohesive platform. <p>Features include:</p> <ul style="list-style-type: none"> - Parent Profiles + additional Guardian profiles - Host (Teacher) Profiles - Children's Profiles - Mutual Friend recognitions - Host Specializations & Qualification Badges - 3 Layers of security to build a trust based network - Friend Requests - Background Checks - Browse Hosts, Classes & Community Members by zip or Geo-location services - Schedule, Book & Manage experiences - Chat Functionality - Open forums & group capabilities - Options for both Public or privatization - In Person, Live Virtual, Asynchronous Virtual Experiences

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- Ratings & Reviews
- Transcript writing & Progress Tracking
- Learning Gamification through Children's Teams, Badges & Point systems.
- Option for *trading services* through the platforms universal cryptocurrency of "Time"

NAME	Trust in Science [Hyper]
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Italy
TEAM MEMBERS	Bulgaria, Canada, Denmark, Germany, Ghana, Israel, Poland, Spain, United Kingdom
MEMBERS	1-10
WEBSITE	https://trustinscience.manual.to/browse/AXG1QOhgHOIPoN2DisLx
DEVPOST	https://devpost.com/software/path2integrity
DESCRIPTION	<p>There has been lot of misinformation and disinformation (so-called "fake news") about what COVID-19 is, how people can protect themselves, and how society can combat this virus. "TRUST IN SCIENCE" wants to empower us citizens to discuss reliable, honest, respectful and accountable research on COVID-19, and to engage with family members, friends, colleagues, students and across borders to foster a good living in society.</p>
PROBLEM	<p>Fake news (deliberate, malicious, or even accidental disinformation) in the context of COVID-19 is currently circulating virally to such an extent that it has been labelled a "disinfodemic" (https://news.un.org/en/story/2020/04/1061592). A reason why fake news often goes viral is because there is an unconscious tendency to bias attention towards negative news (https://blogs.lse.ac.uk/politicsandpolicy/why-is-there-no-good-news/). Disinformation and negative news significantly affects human behavior in both public and private spheres. In a recent tragic example, a human being died after consuming a product designed to clean fish tanks as it contained chloroquine. This terrible outcome followed a press conference where President Donald Trump suggested, without firm scientific evidence, that hydroxychloroquine could be a potential cure for COVID-19.</p> <p>According to Dr. Nyilasy of the University of Melbourne*, it is particularly difficult for people to detect fake news. This is because it resembles real news and we then unconsciously trust it due to pattern recognition (https://pursuit.unimelb.edu.au/articles/fake-news-in-the-age-of-covid-19). Therefore, strong public confidence in science and guidance on how to detect fake news is critical to countering its destructive force. This level of public confidence is crucial for the successful deployment of technologies to combat COVID-19. Furthermore, it is essential to encouraging and ensuring acceptance of difficult policies such as social distancing, personal protection, and many other measures that impact the daily lives of all Europeans.</p> <p>To this end, the team behind "TRUST IN SCIENCE" is working to ensure that students, citizens, and members of the scientific community all across the EU are aware of the infrastructure, policies, and programs Europe has in place to maintain integrity in science and to ensure the responsible conduct of science.</p>
SOLUTION	<p>TRUST IN SCIENCE seeks to combat mistrust in science. It also intends to delegitimize unsubstantiated societal decisions or folk beliefs based on intuition and tradition (like drinking alcohol to fight corona). This is achieved through citizen engagement via access to clear guidance on how to detect fake news as well as through raising awareness about the</p>

importance of scientific peer-reviewed research on battling the Corona Crisis.

Based on the initial results of a research project (Path2integrity), which is funded by the EU's Horizon 2020, the usage of “Learning Tools” such as “Learning Cards” can be effective for training in Research Integrity and for promoting awareness of the impact of integrity in science on society.

We used Manual.to owned and provided by Jorim Rademaker, a web-based software platform for quickly creating multilingual illustrated stories, mostly used by multinational companies and organizations to train their employees or interact with customers.

For the AI, the framework and the concept, we are using technology, expertise, and resources owned and provided by Hyper Interdisciplinary of Fortunato Marco.

During this hackathon, we created an interactive online tool which:

- Informs citizens about genuine scientific research and reliable scientific results
- Deepens citizens' understanding of scientific research by interactive activities and role-playing
- Empowers citizens to recognize and trust correct scientific information regarding COVID-19
- Encourages citizens to become advocates for research integrity by using learning cards.

NAME	tutify.org
DOMAIN	Remote Working & Education
HEADQUARTERS	Germany
TEAM MEMBERS	Austria, Germany, United Kingdom
MEMBERS	1-10
WEBSITE	www.tutify.org
DEVPOST	https://devpost.com/software/tutify
DESCRIPTION	0
PROBLEM	<p>School students are alone at home with their coursework, while their parents are at work or unable to help them. Covid-19 further adds to this issue with schools around the globe having closed and school students getting even less support than usual.</p>
SOLUTION	<p>A global problem requires a global solution. Our goal is to digitally connect school students (tutees) that need help with their coursework, with university students (tutors) that are able to provide that help. For free, since many university students are willing to volunteer their time, in order to gain valuable teaching experience and give back to society at large.</p> <p>The tutees simply register on the tutify.org platform in their country, specify the subjects they need help in, and let our matching algorithm work its magic. The tutors which the tutees will be matched with, have to undergo a screening process, in order to create a safer learning environment for everybody involved. This concept is already being successfully executed in Germany, Austria and the UK.</p> <p>However, since both education and culture differs greatly between countries, we have decided against running one central platform. Instead, we have created tutify.org, an open source platform that allows motivated teams all over the world to set up their own tutoring platform, modelled after the successful operations in Germany and Austria. Being an open source movement, we aim to provide all the source-code, guidelines, and support necessary for the people that want to start a tutoring platform in their country. This ensures that they are up and running as fast as possible and hopefully allows thousands of tutees around the globe to benefit from free tutoring. Being an open-source movement has the additional advantage of harnessing the collective power of people all over the world, in order to further develop the software, processes, and guidelines necessary to support tutees all over the world.</p>

NAME	UgoRound Australia Pty Ltd
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Australia
TEAM MEMBERS	Australia, Bangladesh
MEMBERS	1-10
WEBSITE	https://ugoround.com/
DEVPOST	https://devpost.com/software/city-quarter-exit-from-covid-19-solution
DESCRIPTION	<p>We are a team of skilled developers and innovators who have world leading expertise in Location Based Technology. This technical know how has led us to develop a unique anonymized Geo Alert community alerting solution.</p> <p>We have developed the entire solution using our own proprietary software. We have deep knowledge in all aspects of Mobile App development</p> <p>We quickly identified there is no universal - hyper relevant alerting methodology that works across the World. Our solution is ideal then for Cities and Countries in the midst of the Covid-19 Pandemic.</p>
PROBLEM	<p>One of the most difficult and ongoing challenges that each City will face is how to get people back to work. According to Governor Mike DeWine of Ohio in a recent CNN interview “If people are scared to death, they not going to go out – how do we give people confidence?”</p> <p>Countries, Cities, and indeed Communities within the City have all been affected very differently.</p> <p>Our solution proposes a universal Location Based Alerting solution that works within Cities, around the Country and then between Countries (In the EU).</p>
SOLUTION	<p>We deploy a Web Based platform that enables City Authorities to send localized Community alerts to their City Quarter First to Know Groups.</p> <p>People download the app and cannot register - they are totally anonymous. They can then join multiple First to Know Groups, be it representing where they live or work, and then can receive alerts and updates from authorities instantly.</p> <p>In addition, alerts can be sent in multiple languages. The user can toggle the alert on the phone to choose their preferred language. This is unique and cannot be replicated effectively using SMS or Social Media.</p>

NAME	UNITE
DOMAIN	Business Continuity
HEADQUARTERS	Portugal
TEAM MEMBERS	Australia, Brazil, Germany, Greece, Hungary, Portugal, Romania, Turkey, UK
MEMBERS	1-10
WEBSITE	https://www.uniteprocurement.com/
DEVPOST	https://devpost.com/software/unite-government-procurement-platform
DESCRIPTION	<p>UNITE is the “Underserved Needs In Times of Emergency” Public Procurement Platform, exclusively for governmental procurement of special orders of products and services for crisis response. It can be considered as “The Alibaba of urgent and unusual public procurement requests”.</p> <p>UNITE is a two-sided platform, connecting public buyers with companies that have the capability and capacity to refocus their activities to supplying goods and services in response to the COVID-19 crisis.</p>
PROBLEM	<p>The COVID-19 pandemic is testing supply chains like no other event in recent history. With entire populations self-isolating or in lock-down, companies are seeing spikes in demand for some items and zero demand for others.</p> <p>On a societal level, this has led to shortages in products such as hand sanitiser, face masks and personal protective equipment much needed by hospital staff and other frontline workers. Individual manufacturers and service providers are being hit hard. Many companies have furloughed staff, made layoffs or closed down completely.</p> <p>In response to COVID-19, the European Commission has removed procedural constraints around the procurement of urgent goods and services, and is encouraging public buyers to engage directly with the market. Some companies are making use of dynamic capabilities (and the spare capacity created by plummeting demand for their usual products) to switch focus to manufacture the items needed to respond to the pandemic. The big problem is, however, that a company’s ability to dynamically refocus its operations is known only to the company - not to the customer.</p> <p>How can a company effectively communicate this ability to public buyers? Unless they are an iconic household name armed with government and media contacts, they can’t! So how can the public buyer know that a small-medium enterprise (SME) auto-parts manufacturer can produce face visors, a local micro-brewery can make hand sanitiser, or that an events security company has resources available to transport health service workers? UNITE was created to answer that!</p>
SOLUTION	<p>UNITE is the “Underserved Needs In Times of Emergency” Public Procurement Platform, exclusively for governmental procurement of special orders of products and services for crisis response. It can be considered as “The Alibaba of urgent and unusual public procurement requests”.</p> <p>UNITE is a two-sided platform, connecting public buyers with companies</p>

that have the capability and capacity to refocus their activities to supplying goods and services in response to the COVID-19 crisis.

SAVING JOBS, SAVING LIVES!

Our Solution

Companies are invited to register on the platform, describing their capability and capacity to manufacture urgently needed products or to supply in-demand services. Companies may also browse and respond to open tender requests that have been placed by public buyers.

Public buyers may access the platform and create a procurement request. Our software matches the procurement request with potential suppliers and facilitates the complete transaction - including initial contact, negotiation, order placement, delivery acceptance and payment.

Our Vision

A world where governments and companies innovate together to overcome crisis.

Our Value Proposition

Facilitating crisis response and economic stimulus through innovation, by matching public procurement needs with companies' hidden capabilities to respond to rapidly changing needs.

Impact for Companies

Access to public buyers with requirements aligned with company capabilities without the usual demands of public procurement processes (capitalize on European Commission's reduced procedural constraints during crisis).

Revenue to sustain business during crisis, reducing or eliminating the need to slow or halt operations.

Diversified business, post-crisis.

Impact for Society

Medical equipment, PPE, etc. to hospitals and care providers - saves lives.

Fewer furloughs and layoffs - saves jobs.

Increased availability of in demand goods and services.

Economy stimulus.

Differentiation

NAME	Unmanned Life
DOMAIN	Business Continuity
HEADQUARTERS	Belgium
TEAM MEMBERS	Belgium
MEMBERS	11-20
WEBSITE	https://unmanned.life/covid19/
DEVPOST	https://devpost.com/software/uml
DESCRIPTION	<p>Unmanned Life's is a homegrown European success on the global stage - the world's first Autonomy-as-a-Service platform integrates different drones and robots with different capabilities and functions into one integrated autonomous robot team, orchestrated and controlled by this central platform through a single management dashboard. The platform acts as the brain of the connected robots and enables them to work collaboratively.</p> <p>Unmanned Life's multi-award winning team started in 2015 and today has offices in Europe, USA and soon in Asia. We have deployed autonomous solutions around the world. We are working with major Fortune 500 giants in the industrial, telecommunications, supply chain and smart cities sectors, including: Airbus, Volkswagen, THALES, NTT, BT, Verizon, T-Mobile Sprint, Deutsche Telekom, Telefonica, Orange, Nokia, Swiss Post, Walmart, UPS, INTEL as well as public authorities such as the City of Vienna and the UK, US and Singapore Governments.</p> <p>Projects already conducted using our Autonomy-as-a-Service software platform that are similar to what we propose here for autonomous disinfection, include emergency response deployment with Verizon in the US delivering emergency kits with autonomous drones across a wide rural area and the City of Vienna deploying the first autonomous search and rescue operation city wide from mobile deployment centers (fire engines and vans) and controlled remotely from a central control room at the city hall. We have been working closely working with UK, US and Singapore governments on autonomous drone deployments for the city-wide emergency response use cases similar to this use case. The EU has also selected Unmanned Life software platform as the default architecture and platform for operating commercial autonomous 5G drone services across the EU for the 5G!Drones project which is a EU funded PPP under Horizon 2020.</p> <p>We have now launched the Autonomous Pandemic Management Platform (ASPMP) for rapid COVID-19 response, building on our well-proven, world-beating existing technology, and extensive global expertise and experience, to enable multiple fully autonomous drone swarms to be deployed to help cities, public authorities, local agencies, emergency services to manage various COVID-19 scenarios across Europe.</p>
PROBLEM	How can Smart Cities today deal with the issue of efficient, recurrent and reliable large-scale disinfection of public spaces and buildings like hospitals and retail centers to contain Covid-19 knowing that such spaces are the most common and deadly hot spots, where the virus can easily exist for hours and in some cases days on a range of surfaces, everything from door knobs to floors, walls, bathrooms and furniture, regardless whether it's indoor or outdoors?

	<p>They need to continuously disinfect these public areas to contain the spread of the virus. Currently most disinfection operations are carried out manually by disinfection personnel. The manual disinfection process is extremely time consuming, lacks accuracy as well as scalability for deployment multiple times a day for larger hospitals and public outdoor areas, and most importantly, puts workers at risk of exposure to the virus.</p> <p>Some public authorities like those in Madrid, Daegu and Dubai have started using methods like drones to disinfect surfaces, but these are still flown manually with human pilots and have their own set of challenges which can be summarized as:</p> <ul style="list-style-type: none">i. Need on-site drone pilots for each drone flight - high operational costii. A single drone has limited capability and coverage – low response efficiencyiii. Precise operation is difficult with manual drone control even for an excellent pilot – low accuracy / high crash riskiv. Cannot deploy drone swarms locality or city-wide – low value for money for Smart Cities
SOLUTION	<p>Unmanned Life is proposing the deployment of autonomous disinfection swarm of drones controlled by its highly interoperable Autonomy-as-a-Service software platform able to disinfect large spaces precisely and in a short time.</p> <p>Swarms of autonomous drones and robots deployed remotely from mobile deployment centers (vans) near the site of the operations and controlled remotely from a central control room such as city hall by our software platform and can be used to disinfect large spaces, both indoor and outdoor, accurately across a city, in a repeatable manner, within a short time at fraction of the cost.</p> <p>The functionalities of this solution includes:</p> <ul style="list-style-type: none">i. Outdoor drones are deployed to disinfect hospital buildings, benches, car parking areas and public community spaces, while smaller indoor drones installed with portable UVC lights, can disinfect indoor surfaces of hospitals and other public buildings. We can also cover semi-enclosed and large transport spaces like street markets, retail centers, bus and train stations, airports & ports.ii. Depending on the disinfection requirement, each drone carries a different payload required to achieve maximum efficiency.iii. Real-time monitoring from the control center is enabled by a video camera and streaming system installed on the drones.iv. Colour zone-mapping from the cameras builds the timeline view of disinfected areas.v. Our software platform integrates with existing information systems providing critical insights to both the control center and citizens via public health apps.

NAME	ViraTrace
DOMAIN	Health & Life
HEADQUARTERS	Romania
TEAM MEMBERS	Romania, Croatia, United States
MEMBERS	1-10
WEBSITE	www.viratrace.info
DEVPOST	https://devpost.com/software/viratrace-afgjmy
DESCRIPTION	<p>2nd generation contact-tracing provides accurate exposure risks over multiple degrees of interaction using <u>proprietary logical architecture</u>.</p> <p>The ViraTrace Infection Model provides an average of 3x increase in the number of detected cases, thus making the containment process faster. It's also the only implementation that works in the case of self-contained communities that exhibit a low adoption rate.</p>
PROBLEM	<p>Limitations of standard contact tracing:</p> <ul style="list-style-type: none"> Requires adoption from a high percentage (over 70%) of the community in which it is implemented, Unable to monitor the spread of more contagious strains (if $R_0 > 5$), Ineffective in communities that are highly connected through physical interactions.
SOLUTION	<p>The solution is built around contact-tracing and it can be broken down into these components:</p> <p>Logical component - Infection model for propagating risks beyond the first degree of interactions, bringing massive advantages over the standard model, currently gaining popularity in the data science circles (Oxford Big Data Institute and MIT) and implemented in the official Indian app that has 112M+ users.</p> <p>Technical component - Backend that allows 3rd party contact tracing apps to easily integrate our infection model. With privacy being the main concern all over the western world, we went with an implementation that eliminates the need for trusting a human element and enables additional antiviral and commercial value propositions.</p> <p>Read our Executive Summary</p>

NAME	YANA.help
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Switzerland
TEAM MEMBERS	Switzerland
MEMBERS	1-10
WEBSITE	www.yana.help
DEVPOST	https://devpost.com/software/prevention-of-domestic-violence-yana-help
DESCRIPTION	<p>YANA.help is an association willing to provide victims of violence a platform with the necessary information to reach out for help, to give victims counselling and preventative information, as well as a means to seek help, communicate with professionals and peers, and finally a way to find information about shelters.</p> <p>This platform is not only aimed at victims of spousal abuse but all kinds of domestic abuse be it spousal or towards the elderly or children.</p>
PROBLEM	<p>https://www.youtube.com/watch?v=b5PUU3G0U8A</p> <p>Prevention of domestic violence and help victims and survivors of domestic violence. We aim to create a nationwide solution (and then International).</p>
SOLUTION	<p>A participative solution to provide support to people in need in our community :</p> <p>Access to the social services ecosystem quickly, easily and safely through Yana.help.</p> <p>A platform that offers emergency numbers/hotlines/shelters by canton and discussion forums with other victims/non-victims/experts.</p> <p>Possibility to access the platform through cooperation with established partners to allow a victim to seek for help outside home</p> <p>The site is aimed to help :</p> <p>Adult and young survivors: looking for help & guidance Oppressors: looking for counselling Witnesses: wanting to report incidences and gain access to resources</p> <p>This platform is developed in Angular and is accessible through any browser. We have made it impossible for the platform to remain in the browser's history and allow the creating of anonymous accounts to ensure the visitor's privacy.</p>

NAME	Yellow Canary
DOMAIN	Social & Political Cohesion
HEADQUARTERS	Romania
TEAM MEMBERS	Romania
MEMBERS	1-10
WEBSITE	www.yellow-canary.org
DEVPOST	https://devpost.com/software/yc
DESCRIPTION	<p>Yellow Canary is an emotional well-being assessment tool that helps people regain control over their emotional state and get in touch with hundreds of psychologists, who are ready to help.</p> <p>Buyer Brain is a consumer insights company with decades of experience in consumer neuroscience, behavioral science, and research. Our job is to understand people's emotions, perceptions and attitudes and build solutions that foster long-term engagement and loyalty.</p>
PROBLEM	<p>We would like to address the blind spot of the fight against the pandemic: mental health implications. Unless we address it properly, the impact of the coronavirus on mental health will bring serious damages to all aspects of human life. How big? A Lancet Commission report made before the pandemic states that mental disorders are on the rise in every country and it will cost the global economy \$16 trillion by 2030. It is projected that, by 2030, mental health problems (particularly depression) will be the leading cause of mortality globally.</p> <p>After the SARS epidemic of 2003 there was a 30% increase in suicide in the over-65s age group and the Great Recession of 2008 revealed that a 1% increase in unemployment was accompanied by a 1% increase in the rates of suicide in the US. There are already 200 million people out of work and these numbers are only expected to rise. It is not pleasurable to do the math here.</p> <p>No one can deny the severe impact that a pandemic can have on mental health and thus on every aspect of society. But why does that happen? Education, families, investments, loans, careers, choices, hopes, and dreams, what do all of these have in common? They depend on a sense of stability. Coronavirus is by definition the disruption of stability. Nothing is predictable and people can only worry about the worst. It is hard to enjoy today without the safety of tomorrow. Governments and the community outreach have focused extensively on combating the virus and isolating people that they forgot to think about people's mental stability and the psychological battles that they have to go through daily. It is imperative that we address this situation and save people's lives, along with contributing to a speedier economic recovery.</p>
SOLUTION	<p>Using our extensive experience in neuroscience and psychology and our deep understanding of people's emotions and how the coronavirus will affect them, we created Yellow Canary, a simple to use assessment tool that acts as an Early Warning System. Users need to take a short assessment every day, measuring their conscious and subconscious attitudes. Our software will then automatically calculate their emotional state and let users know their results immediately. This allows people to be in control of their mental and emotional stability by tracking their evolution daily.</p> <p>People react differently to stress: some binge on food, others smoke</p>

#EUvsVirus
challenge

can you hack it?



more or resort to excessive drinking. By asking respondents questions related to their daily behavior, we are able to identify those changes before they become a habit. And by measuring respondents' subconscious propensity for anxiety or depression (for which we use our neuroscience-powered online platform), we are able to identify granular changes in their attitudes that they might not even be aware of. When a respondent's state worsens, the Early Warning System alerts the respondent that things are not Ok. He has the option to contact a psychologist or to be contacted by one, if he does not feel to initiate the conversation. We have partnered with several NGOs that provide free access to certified therapists, psychologists, and counselors.

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From Ideas to Solutions

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