

SUMMARY ANALYSIS OF SMARTAGRIHUBS COMMUNITY SOLUTIONS



HIGHLIGHTS FOR THE REGIONAL CLUSTER

In April 2020, a topic was launched on the SmartAgriHubs Innovation Portal to harness the power of our network and expertise in order to find solutions to agrifood problems caused by the Covid-19 pandemic. In this document we aim to provide some pointers for the Regional Clusters regarding the solutions mentioned by our community. This is intended as an additional information to the high-level summary.

You can find a detailed list of examples of Covid-19 solutions mentioned on the SmartAgriHubs Forum in the Appendix at the end of this document. NB: as on the forum, the suggestion was given to incorporate the agrifood-related results from the EUvsCovid-19 hackathon, these are included too (related to agrifood).

CONCLUSIONS AND RECOMMENDATIONS FOR REGIONAL CLUSTERS

Having analysed the initiatives or solutions included on Appendix, we would like to share with you some important conclusions and recommendations that could help you, as RC leader or co-leader, to build your SAH network, both in your territory and at European level:

- The majority of the needs described relate to 1) labour, in terms of matching workers and employment opportunities and ensuring safety; 2) connecting supply and demand of produce as well as the impact on the supply chain.

- There are similar initiatives developed in different countries. You can easily detect these when you take a look at the appendix below. If you have a specific solution in mind, we recommend looking at the box 'key words' first to find what you are looking for.
- We encourage you to contact them to exchange experience. It could be interesting to put similar experiences together to have a mutual learning and references in other countries. This could also be interesting for future collaborative projects.
- In addition, it would be stimulating to share these solutions with your DIH community to boost this exchange of experience. We are sure DIHs in your community can give support to new initiatives or learn from each other.
- There are a number of solutions from the examples analysed below that aim to support innovation and collaboration in the ecosystem. They could potentially develop into a DIH-like or similar initiative. Such initiatives present an opportunity for the Regional Clusters to connect to new and upcoming actors. By contacting them, offering them the SmartAgriHubs ecosystem and training, these entities can further develop into a functioning hub or connect to an existing initiative, thus multiplying the impact in the ecosystem and connecting yet another part of the agrifood chain. Examples include 'Clickoala: ecosocial search engine', 'PLAnd COVID-19', 'Food Hack'.

- The Regional Clusters are often well connected to regional authorities as well as DIHs. Therefore, they are in a good position to make a first assessment of initiatives and their connections to already existing key players. This could provide an indication to which initiatives are more viable and the Regional Clusters and DIHs can evaluate which ones to support and how.
- Some of the solutions analysed look into barriers (legal, operational, policy) related to providing easy and quick access to employees, suppliers, customers. The Regional Clusters could encourage the DIHs to connect with similar initiatives, and conduct further exploration of barriers. This could also provide them with input for policy recommendations in their region. Collaboration with newly started solutions such as Transient can be explored and be mutually beneficial.
- Regional Clusters often have frequent contact with farmers and companies and as such can promote the funding opportunities as well as business and organizational support that SAH can provide as well as sister projects such as agROBOfood, and connect any requests to the DIHs.

AWARE OF OTHER HACKATHONS OR INITIATES?

The Regional Clusters is closely connected to the local DIHs and the regional needs. At the same time, a number of hackathons have been organized in different countries and cities. The Regional Cluster can team up with the DIHs in their region and follow up, co-organize or analyse the results.

Here are some starting points:

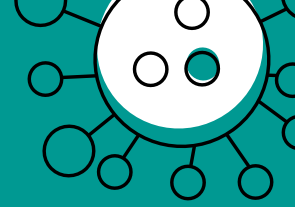
- SmartAgriHubs Forum on COVID-19:
- Garage48 Hack the crisis
- DIHNET space 'How DIHs can help in times of COVID-19'



SmartAgriHubs thanks all participants who contributed to our taskforce covid-19

APPENDIX

OVERVIEW OF EXAMPLES OF COVID-19 SOLUTIONS MENTIONED ON THE SMARTAGRIHUBS FORUM



SOURCE: SAH FORUM

Imaging COVID-19 AI

Keywords:
AI; CT scans; clinical validation

Country:
EU

NEED/CHALLENGE

Analysis and quantification of abnormalities on CT images made with patients suspect of COVID-19 infection and prioritisation of individual cases to save lives. It's important for the healthcare team to have a precise measurement of the area infected by Covid.

SOLUTION PROVIDED

AI technology will be used as support for the radiologists by assisting them in the detection and prioritisation of COVID-19 infections. An online AI platform with specific 3D deep learning dicom detection algorithm will be trained to recognise the COVID-19 features in lung scans in the first phase and additionally prioritise the individual cases.

[Click here for more](#)

Provide local food supply

Keywords:
Proximity; online shop;
collaboration; local food

Country:
France

NEED/CHALLENGE

1) Markets, restaurants, schools closure has led to farmers being left with no outlet & 2) Find local food for consumers

SOLUTION PROVIDED

Create online shops where consumers can buy their food from the local farmers + communication on these shops thanks to a website launched a couple of years ago ("approximate") by the DIH which already references all farmers who sell directly on their farms. This is a collaborative action that associate a DIH, 2 start-up in the field of logistic and web development and the public authorities (local and regional).

[Click here for more](#)

Transparency is a Must

Keywords:
Re-prioritize; traceability;
transparency

Country:
Portugal

NEED/CHALLENGE

With COVID-19 wine businesses suffered an abrupt change and several were not prepared. The issue is the fact that the wine market relies deeply on hospitality and catering industry, tourism and international trade. Wine sales suffered a severe turnover drop which placed numerous wine companies into a vulnerable position. Consequently, this sales decline situation is affecting the existing product stocks of the wine producers, which will most probably advance into a serious decrease of the fruit price for this coming vintage.

SOLUTION PROVIDED

We can no longer depend on a single strategic route to assure wine businesses viability - such as international commerce, hospitality or tourism. Furthermore, there is a higher chance that after Covid-19 an even-more demanding consumer will emerge on the market, eager to know WHERE and HOW that product or service came from, and WHO or WHAT were the associated burdens and impacts. Therefore, blockchain technology can provide a suitable traceability solution.

[Click here for more](#)

[Click here for more](#)

Moving meetings online

Keywords:
virtual meetings

Country:
UK

NEED/CHALLENGE

Farmers cannot visit other farms, advisors cannot enter farms unless emergency due to COVID-19 restrictions, we cannot carry out KE effectively without face-to-face interaction so we needed to find ways to meet these gaps virtually without being present in person.

SOLUTION PROVIDED

Offering digital/virtual meetings online for farmers/advisors to connect and communicate and to carry on with KE.

[Click here for more](#)

AGROTAREO

Keywords:
labour; employment; worker; farm;
crop; characterization; features

Country:
Spain

NEED/CHALLENGE

Characterization of workers features related to COVID-19 symptoms in order to decide where and how to work in the farms. In addition, linking to farmers associations (now, ASAJA) for promoting the employment in the farms. Nowadays there is a need in the farms related to employment.

SOLUTION PROVIDED

Mobile Application for managing the agricultural workers. Workers are registered by the managers. This solution offers the possibility of registering data related to COVID-19 symptoms as a worker features. In addition, this solution has a link to ASAJA (Farmers association) in order to promote employment in the farms.

[Click here for more](#)

[Click here for a video](#)

[Click here for a video](#)

AI row weeder

Keywords:
row weeding; organic farming;

Country:
EU

NEED/CHALLENGE

Weed removal now that there are less workers available. Also makes organic food more affordable

SOLUTION PROVIDED

AI weed rower

#IOCOMPROFVG campaign

Keywords:
supply chain; local (fresh) food;
awareness;

Country:
Italy

NEED/CHALLENGE

Mitigate lockdown-effects on local food chains

SOLUTION PROVIDED

A viral campaign inviting consumers to buy "locally" from farmers. Activating a series of small adjustments on regional administrative law we supported a quick transition of small producers from supporting professional chefs and canteens to local home delivery service

[Click here for more](#)

Campagna Amica

Keywords:

home delivery; supply chain;
local (fresh) food; donate;

Country:

Italy

NEED/CHALLENGE

Giving farmers a market for their fresh produce

SOLUTION PROVIDED

App and telephone campaign to match supply and demand. Donate option for poor people.

[➤ Click here for more](#)

Staack

Keywords:

livestock data; CRM data

NEED/CHALLENGE

Try to keep intensive contact between farmer and adviser?

SOLUTION PROVIDED

Digital platform with livestock and CRM data?

Mantle Labs crop monitoring

Keywords:

Artificial Intelligence

Country:

UK

NEED/CHALLENGE

Visibility of what is happening across UK agriculture and be able to quickly monitor food supply chains for forward planning

SOLUTION PROVIDED

"Geobotanics" platform and dashboard based on satellite imagery.

[➤ Click here for more](#)

PLAnd COVID-19

Keywords:

products & technologies compilation;
Innovation capabilities & solutions;

Country:

Spain

NEED/CHALLENGE

Identifying and analysing possible technologies and innovative solutions for the fight against the Covid-19 pandemic

SOLUTION PROVIDED

PLAnd COVID-19 is an Andalusian Platform for the reception, identification, analysis and transfer of innovation capacities and solutions to respond to the health needs caused by the Covid-19. Through this platform, new ideas, products, technologies or innovative services provided by both Andalusian Companies and other agents of the Andalusian Knowledge System can be compiled, identified and analysed.

[➤ Click here for more](#)

Labour deficit websites

Keywords:

Labour deficit; connection;
employment

Country:

Belgium

NEED/CHALLENGE

In Belgium, a main problem in the agricultural and horticultural sector is the lack of help (hands) for planting, harvesting and sorting.

SOLUTION PROVIDED

Temporary employees are searched for using several websites:

[Click here for more](#)

[Click here for more](#)

Help harvesting

Keywords:

Labour deficit; connection;
employment

Country:

Netherlands

NEED/CHALLENGE

There is little or no work in the floriculture sector now and within other sectors there is renewed unrest about the deployment of people.

SOLUTION PROVIDED

To address this need, different initiatives such as www.helponsoogsten.nl are available to connect people

[Click here for more](#)

The land army

Keywords:

Labour deficit; connection;
employment

Country:

UK

NEED/CHALLENGE

In the UK, there is a labour deficit and it appears the general public are not keen on working on farms picking fruit, etc.

SOLUTION PROVIDED

This website for people to sign up and address this challenge: <https://www.thelandarmy.org.uk/>

[Click here for more](#)

Mobilisons-nous

Keywords:

Labour deficit; connection;
employment

Country:

France

NEED/CHALLENGE

Labour deficit

SOLUTION PROVIDED

At the French level, the main agricultural union, the French agency for employment and the association for employment and training in agriculture, in collaboration with Wizifarm Mission, led to the creation of a platform <https://desbraspourtonassiette.wizifarm>

Here farmers and anyone who wants to help is invited to subscribe.

[Click here for more](#)

Job in country

Keywords:
Labour deficit; connection;
employment

Country:
Italy

NEED/CHALLENGE

In Italy there is a big problem linked to the lack of labour in agriculture.

SOLUTION PROVIDED

Coldiretti (that is the biggest farmers' organization in Italy and in SAH co-leader of the RC-Italy and Malta) created a platform named Job in Country (<https://lavoro.coldiretti.it/Pagine/default.aspx>) to help farmers find workers and workers find a job. The platform borns as private pilot activity of Coldiretti in the Veneto Region (in the North of Italy) but then the Minister of Agriculture authorized it formally and now it works for the entire Italian territory. As any employment service, farmers publish the job description and people can upload its Cv and the description of availability to work. Both can see the offers and contact the other part.

[➤ Click here for more](#)

The country helps

Keywords:
Labour deficit; connection;
employment

Country:
Germany

NEED/CHALLENGE

Due to the limited freedom of travel in Europe, farmers in Germany lack up to 300,000 workers. At the same time, many people who are employed in the catering or retail trade cannot work. Others, like students, are doomed to stay home.

SOLUTION PROVIDED

In order to bring employers (farmers, but also companies in the agro-food chain) and employees together - quickly and unbureaucratically - to talk to each other, there is the placement platform. Answers to questions related to the placement and use of farm workers are provided on the platform

<https://www.ruv.de/ratgeber/unternehmen/landwirtschaft/erntehelfer>

[➤ Click here for more](#)

Pickle Hub

Keywords:
food processing; food waste;
fresh produce

Country:
EU (Germany-based)

NEED/CHALLENGE

A network of physical food processing labs spread across European countries. The fresh products are not wasted, but processed in an alternative way (eg dehydration) for other use. Also labor may shift from gastronomy to processing.

SOLUTION PROVIDED

A digital system that makes suggestions for processing according to available facilities and market demand in the region.

[Click here for more](#)

[Or click here for more](#)

FeedFarms.eu

Keywords:
labour; employment; seasonal;

Country:
EU

NEED/CHALLENGE

The disruption in the sector can probably account for over 1 000 000 seasonal workers across the EU. In consequence, these labour shortages could have a very negative impact on the income of farms and food availability across the supply chain.

SOLUTION PROVIDED

A digital system that matches farms with seasonal workers. Also accommodation offers and career opportunities (planned).

[Click here for more](#)

Transient

Keywords:
(short-term) employment;
volunteering; elderly;

Country:
EU

NEED/CHALLENGE

People are losing jobs; the food supply and agriculture sectors are strained due to excessive demand and limited work force; businesses will face a sudden spike of demand as soon as market opens which will be struggling with reduced workforce; NGO's not able to find volunteers; the elderly taking risk of going to crowded place like supermarkets as they have no other option; Stringent government rules in some countries to get a short term job...makes it hard for the employers to find people on short notice.

SOLUTION PROVIDED

A quick and reliable job posting and application process using smartphone, meanwhile reducing the burden of generating contracts by automating the contract generation process

[Click here for more](#)

Who hid the ethanol?

Keywords:
supply chain; ethanol; framework;
blockchain; transparency;

Country:
EU

NEED/CHALLENGE

Supply chain interruptions, shortages of essential products e.g. for combating virus such as PPE

SOLUTION PROVIDED

Standard Framework – Transparent Digital Smart Logistics/Supply Chain 4.0 Platform >> fully digital and transparent supply chain for critical (COVID-19 related) products ... EU-wide framework “[...] to provide supply chain actors with tools and financial stimulus to operate with 100% transparency without causing financial or legal impacts on their customers or suppliers. The framework would require digitization of approvals and exclusion of paperwork (...) which would hugely increase productivity and facilitate commerce”

[Click here for more](#)

Digital CFM

Keywords:

SMEs; cash-flow management
digitization;

NEED/CHALLENGE

SMEs need to have better insight into cash flows and working capital. For farmers to buy raw materials

SOLUTION PROVIDED

Digital module for real-time insight into receivables, payables and cash flow, also with historic benchmark e.g. for task
ClickKoala's sustainable small business wizard tool. A digital search engine that only finds products with eco-social seals validated by sustainability experts from 25 European universities. SMEs and customers are also supported with (scientific) information and guidelines

[Click here for more](#)

[Click here for a video](#)

Clickoala: ecosocial search engine

Keywords:

SMEs; sustainability; digitization;

Country:

Spain/Global

NEED/CHALLENGE

help SMEs to achieve a sustainable digital transformation

SOLUTION PROVIDED

ClickKoala's sustainable small business wizard tool. A digital search engine that only finds products with eco-social seals validated by sustainability experts from 25 European universities. SMEs and customers are also supported with (scientific) information and guidelines

[Click here for more](#)

ZikuHR

Keywords:

labour; job market

Country:

Portugal

NEED/CHALLENGE

Guarantee ways to have flexibility and speed in hiring workers that ensure, the efficiency and sustainability of companies and, on the other hand, quick access by the workers to job vacancies that can give them some income, including for seasonal work and with priority for critical sectors

SOLUTION PROVIDED

EU E-employment centre

[Click here for more](#)

Focol: Food Community Local

Keywords:

building online community; healthy cooking; support local farmers; e-commerce; food security;

NEED/CHALLENGE

Small scale farming has been getting out of business in the past decades due to increase in urbanization, globalization of trade, and increase in farming technology and investment by bigger players. Local farmers's business risk is further brought to light during Covid-19 because of specific changes and measures implemented. At the same time, we are seeing increase in demand from consumer to consume locally and building community and culture around food. We found a gap between customer's preference to locally grown produce and supply chain of local farms that needs to be added.

SOLUTION PROVIDED

By connecting local farmers to end consumers, we hope to increase local agriculture business, reduce dependence on imported goods, increase food security, and reduce CO2 emission while re-establishing land use diversity. The solution will be in form of a platform that provides customers with: Membership Access to our Local Online Community Access to Webinars and exclusive cook-along sessions with local specialties Possibility of ordering Food Boxes with locally farmed fresh ingredients for home-cooking Access to educational content on food consumption environmental impacts.

[Click here for more](#)

Roho Network

Keywords:
global network; connection;
supply products; PPE

Country:
Global

NEED/CHALLENGE

How maximize the public health impact of limited supplies of Personal Protective Equipment (PPE), sanitation and other critical goods globally

SOLUTION PROVIDED

Traditional supply chains are broken. Roho Network creates life-saving connections between manufacturers, makers, suppliers and heroes—half a mile or half a world apart. Whether you are established in your industry or are pivoting to join the fight, welcome to our global connection service.

Using AI technology and a global team of One Health specialists, Roho Network maximizes the impact of PPE distribution and paves the way for further sustainable economic development.

[Click here for more](#)

MooVet

Keywords:
surveillance; farm animals;
veterinarians; disease; AI; Animal
health

Country:
Sweden

NEED/CHALLENGE

The COVID-19 epidemic caused a lot of uncertainty in the agricultural industry. Farmers dumped milk when the restaurants closed and demand was closed. How those who care for the cows and provide food for the public without much revenue to sustain themselves?

SOLUTION PROVIDED

AI-based IoT system to offer 24 hours of non-stop surveillance to farm animals in order to avoid an outbreak of the epidemic. The MooVet application can work in different scenarios:

- 1) Help farmers to cope with possible shortages (including co-leading farmers' illness and short-term worker shortages).
- 2) Help the veterinarian to make a diagnosis/advice quickly while maintaining social distance and ensuring income.
- 3) Help governments and research institutions to quickly obtain suspicious information about serious diseases (such as Mad Cow Disease) so that they can respond quickly without being affected by work from home.

[Click here for more](#)

JobLiebe: keep people working

Keywords:
labour, worker, job opportunities,
matching skills

Country:
Netherland and Germany

NEED/CHALLENGE

The corona crisis is currently provoking an economic and social slump of unknown magnitude, duration and impact. As part of that: Companies and organisations are suffering since they do not have enough work for their people and/or not enough income to pay their staff; Employees are short in work or even without work, facing huge financial difficulties and support from governments are helping only partially; Freelancers are short in work and income

On the other hand there are Industries and sectors desperately in the need of additional people, resources or even specific skills or competencies. There are very obvious ones such as healthcare but there a lot of not so obvious areas or projects run by any kind of organisation. [..]

How can we bring both the demand and the surplus side together on a large scale for any sector, industry or niche to support that?

SOLUTION PROVIDED

Our mission is to make the world of work transparent and to empower both individual users and organisations to make better, faster and more effective decisions with help of an AI assistant. With Jobliebe we want to contribute by matching the shifting demands on one hand with the corona induced surpluses in the labour market on the other hand. It will for instance help organisations fix their capacity unbalance by exchanging staff temporarily or provide unemployed people new opportunities.

[Click here for more](#)

[Click here for a video](#)

CrashCovid

Keywords:
health treatment; healthcare

NEED/CHALLENGE

need to develop treatment and therapeutic tools that are easily adaptable to each of the new types of coronavirus that pose a risk to people

SOLUTION PROVIDED

tool that 'use of recombinant viral vectors based on replicative defective SARS-CoV-2 or AAV viruses to deliver CRISPR/Cas13d therapeutic tools directly in the infected cells of a COVID-19 patient'

[Click here for more](#)

Commurban

Keywords:
urban farming; crowd-sources DIY projects; market place (still to be developed)

Country:
Global

NEED/CHALLENGE

The COVID crisis has serious consequences such as unemployment and need for expense reduction as well as ensuring mental health of the population. One solution to these problems is urban farming

SOLUTION PROVIDED

app offering a crowd-sourced repository of DIY projects with instructions regarding urban agriculture, community gardens farming techniques, etc. as well as possibility for community projects. The solution tackles impacts on the economy (helping people grow their own food and find new job opportunities) and social depression via community projects.

[Click here for more](#)

Hydroponic Farming for staying Safe, Healthy and engaged

Keywords:
soil-less gardening; hydroponic agriculture; food production;

Country:
Global

NEED/CHALLENGE

need to ensure supply of food and allow agriculture in small spaces, using less water

SOLUTION PROVIDED

By providing constant and readily available nutrition in a water medium, hydroponics allows plants to grow up to 50% faster than they would in soil, allows for growing produce at small spaces and grow throughout the year. Communities can exchange (buy) produce, thus encouraging local production.

[Click here for more](#)

Food Hack

Keywords:
organic food production; network; regenerative agriculture production;

Country:
Spain/Global

NEED/CHALLENGE

scalable integrated platform (system) produces purified water to grow an algae-based soil amendment in photobioreactors, contributing to larger harvest with possibility to connect the system to aquaponics; the concept is enriched with an idea to develop a hub for distribution of food, learning, skills (based on the system) and job development

SOLUTION PROVIDED

"a platform that connects you [end user] with local regenerative producers and knowledge to eradicate hunger and climate crisis."

[Click here for more](#)

Zemi

Keywords:
app; start-ups; field/land
mapping

Country:
Croatia

NEED/CHALLENGE

Overview of land/fields and categorising them

SOLUTION PROVIDED

App that helps you easily find attractive fields/
gardens around you

[Click here for more](#)

Food and Secure jobs: We Grow Green Hub

Keywords:
algae growth system tech; soil
amendment; food distribution;
community; learning

Country:
Global

NEED/CHALLENGE

increase crop yield, improving knowledge of
communities about tech and good food

SOLUTION PROVIDED

scalable, rapidly deployed growing tech system
that produces a soil amendment for farmers to
increase crop yield while improving the soil (with-
out chemical or synthetic fertilizers); hub model to
support food distribution, jobs, learning

[Click here for more](#)

SkyFarms.io: Smart Agriculture Hub

Keywords:
local farming; open source
platform; digital network

Country:
Global

NEED/CHALLENGE

consumers lack of resources, perceptions,
understanding and incentives to get involved
in local farming; fragmented market of agi-tech
opportunities and solutions

SOLUTION PROVIDED

a digital network that connects users to local
open-source resources, stimulating them to open
their own hubs, scale their network and work on
solutions for urban farming. The end goal is to
enable the connection among people to stimulate
development smart farm solutions by connecting
resources

[Click here for more](#)

Rooty

Keywords:
home delivery; supply chain;
access to local producers;

Country:
Spain and Portugal

NEED/CHALLENGE

local producers impacted by the B2B demand
decrease and unmet customer need for delivery

SOLUTION PROVIDED

an app that connects local producers who offer
fresh fruits and vegetables and end-consumers
who order these goods at home

[Click here for more](#)

GoKa_Runa

Keywords:

matching offering and search; crisis tailored; AI enabled connection

Country:

EU

NEED/CHALLENGE

missing a single centralized source of information, and relevant (meaningful) match of searches and offers in times of crisis

SOLUTION PROVIDED

a listing portal, highly customized for pandemic situations with the aim to connect resource Offerers and Searchers; offers are categorized keeping pandemic related priority rules in mind and the match-making algorithm offers the best matches

[Click here for more](#)

BEYOND - A Covid-19 Risk Assessment Web Platform

Keywords:

multi-source data fusion; integrated risk assessment and early warning

Country:

Global

NEED/CHALLENGE

data and models that support the enhanced decision and policymaking across the entire value-added chain

SOLUTION PROVIDED

the tool enables the participation of national authorities and public administration to provide validated information on the pandemic, allowing more fine-grained and deeper level of analysis of the pandemic at NUTS3 and greater. It delivers daily data with up to date statistics normalized at the population level and at various scales.

[Click here for more](#)

MAGGY. Social distancing made easy

Keywords:

social distancing

Country:

Global

NEED/CHALLENGE

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 Organisation, social distancing is the most effective way to slow down the spreading of infectious diseases. When restarting or rescaling their activities, organisations will need to install procedures and protocols to safely welcome employees and clients.

SOLUTION PROVIDED

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? This 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.

[Click here for more](#)

Hypanel. Air-purifying solution to reopen Europe's restaurants

Keywords:

increasing restaurants capacity ; sterilized and clean air;

Country:

Global

NEED/CHALLENGE

Currently, in many countries, most restaurants, bars and cafes are closed to comply with national restrictions to prevent the spread of Covid-19. To comply with the social distancing requirements, restaurants would have to remove tables and thus decrease their revenues by 38-65 %.

SOLUTION PROVIDED

This solution will allow restaurants to replace the social distancing requirements by leasing or selling air purifying Hypanels. Instead of reducing to 38-65% capacity, restaurants will be able to operate at 90-100% capacity compared to their pre-crisis situation.

[Click here for a video](#)

iERP.ai sales forecasting with Corona

Keywords:
sales forecast; businesses prediction;

Country:
Global

NEED/CHALLENGE

The spread of covid-19 completely changed the business environment. Some sectors like travel, hospitality, and event sectors completely stopped and other sectors like agriculture, online retail, and food industries become overwhelmed.

SOLUTION PROVIDED

In order to help struggling business owners, during hackathon started to create inventory demand and sales forecasting algorithm which will take covid-19 data into consideration. This predictive algorithm will forecast sales of products with covid-19 daily updated health data as well as risk scores calculated based on government regulations in place for each country.

[Click here for more](#)

WeStayLiquid/Liquinow

Keywords:
financial programs; financial aid support;

Country:
EU

NEED/CHALLENGE

Coronavirus Pandemic has massive economic consequences on European's SMEs and Freelancers. They are most likely to go bankrupt in the upcoming months. To limit that risk of bankruptcy in the Eurozone, EU-Institutions and Member States have promptly provided financial aid and assistance measures. Yet, Freelancers and SMEs are facing a bureaucratic jungle to access them: it's terribly time-consuming and complex to find the relevant financial aid. They get lost easily.

SOLUTION PROVIDED

Users of LiquiNow reduce their application process to financial aid from 6 hours to 20 minutes. Thanks to the guidance provided and making the completion of application forms more accessible and less bureaucratic.

[Click here for more](#)

Nanocapsules against Covid19

Keywords:
respiratory symptoms;
nanocapsules;

Country:
Global

NEED/CHALLENGE

Respiratory complications of Covid-19 are causing most deaths worldwide.

SOLUTION PROVIDED

The aim of this study is to evaluate the effect of the oral administration of resveratrol-loaded nanoparticles in patients with lung injuries (fibrosis, pneumonia...) and complications on pulmonary function. The formulation is a reconstituting powder for oral administration. Therefore, the administration of the formulation do not require to be done at the hospital setting. In this sense, the study can be orientated to either hospitalized patients or non-hospitalized patients (e.g. patients isolated at home, in nursing home care or retirement home). A natural and safe therapy to combat the virus.

[Click here for more](#)

Foodopt

Keywords:

local farmers market; shortening value chain; fresh produce;

Country:

EU

NEED/CHALLENGE

The Covid-19 crisis has surfaced a great dilemma between Economy v. Humanity. But we at Foodopt believe that this is an opportunity for us to have the economy and humanity go hand in hand. With this underlying thought we wish to promote 'Conscious Consumerism' towards the consumers and help them feel 'normal' as we fight through the pandemic. For the small organic farmers, we believe these efforts will help sustain the wealth and jobs generation in rural areas.

SOLUTION PROVIDED

Foodopt is a platform for consumers to adopt and buy fresh organic produce from local farmers that gets delivered at their doorstep.

The platform offers two options Direct Buying and Adoption (of a part of farmer's farm). With Direct Buying you can choose the produce that you want, from a list of farmer in your vicinity. With Adoption you can choose to adopt a tree, an animal, a beehive or a part of garden. The farmer will grow the produce, and upon completion a basket of fresh produce, straight from your adoptee, will be delivered at your door.

Present on the website is, also, a blog, 'The Experience Farm', that serves as a place for connecting with a farmer's life on farms, through photographs, livestream videos and interactive videos.

[Click here for more](#)



SmartAgriHubs has received funding from the European Union