

Co-funded by the European Union

Collaboration and co-creation

In 2020, the COVID-19 pandemic hit Europe

with unexpected speed and force. As the virus

spread, the impact on citizens, hospitals and

businesses was significant. The gaps in our

ability to fight back were quickly evident, having

never faced a crisis on this scale in our lifetime -

data, diagnostics, personal protective equip-

ment (PPE), and medical equipment, were all

... New COVID-19 products and services

in times of crisis.

Hemotune

Magnetic blood

purification for

treatment of sepsis

Early and non-invasive

detection of cancer

Medical device for

chronic constipation

**Volumina Medical** 

Tissue reconstruction

for surgery

**HT Biolmaging** 

**Mowoot** 

**Neurent Medical** Minimally invasive treatment for rhinitis Oxford Endovascular Treatment of brain aneurysms

visitors per day.

tools they needed.

lacking. We were in dire need of innovation to address such gaps, and EIT Health, the largest healthcare innovation community in Europe, initiated efforts to arm our citizens, medical professionals, and businesses with the

were put into development. ... Of our partners and start-ups across 17 countries joined our endeavour.

Provision of vital

equipment and PPE.

available to support our efforts.

and manage patients care workforces on with COVID-19 and addressing the crisis chronic conditions with new tools. from the safety of their homes.

We worked within our community to initiate and support the development of new products and services in these areas. With a budget of 13.4 million euros, development began in spring 2020. ViruShield

reduced deaths from COVID-19 by 50%.\*

patients with COVID-19. Clinical Infectious Diseases.

ProCop

Diagnostics and

prognostics to diagnose

and treat the disease.

have a significant impact:

Data platforms to help

understand the

patterns of the virus

and the disease, and

support hospital

capacity planning.

**Digital Control Centre for COVID-19** We launched a project to implement a data and AI solution into hospitals across Spain, Belgium, and the Netherlands that could help to understand how COVID-19 affects people differently and why. It taught us that there were different characteristics of the disease leading to differing severities, and therefore different treatments were

In line with the huge demand for PPE, the availability of masks sparked

concern early in the pandemic – they were hard to produce at scale, usually

needed. Using this insight, personalised treatment could be provided to patients which

\*Reference: Garcia-Vidal, C., Moreno-García, E., Hernández-Meneses, M., Puerta-Alcalde, P., Chumbita, M., Garcia-Pouton, N., Linares, L., Rico, V., Cardozo, C., Martínez, J.A., García, F., Mensa, J., Castro, P., Nicolás, J.M., Muñoz, J., Vidal, D. and Soriano, A. (2020). Personalized therapy approach for hospitalized

disposable (which was detrimental to the environment) and could contribute to spreading the virus if not handled safely. We launched ViruShield to provide a self-disinfecting, re-usable, globally available mask in a matter of months. In 2020 alone, 10 million masks sold in countries all over the world.

## **EIT Health COVID initiatives**

Platforms and training for medical fastRAi professionals in assessing lung damage Byteflies, Covidom Community, EVERSENS,

AquAffirm, Ancora.ai, BioXplor, CoViproteHCt, **Drivesec, Longenesis** and EPCON

Re-usable facemasks and PPE

NanoDx COVID-19,

PlasmonDetect,

SDx SARS-CoV-2 and

QwikZyme

Platforms to capture and stratify

data, support clinical trials,

and personalise treatment

**COVERAGE-Immuno** 

6.5m

euros in investment to

selected start-ups

**Corti and Booking Clinic** 

Research, ATRIA Tecnologia,

Libheros, Up stream/Bridgit,

Mycharllote

UV and durable disinfectants to kill the virus on surfaces

-Start-ups we supported---

Using data and biomarkers

to understand COVID-19

When the pandemic hit, Hemotune's future in the development of revolutionary technology for the treatment of the life-threatening infection, Sepsis, was uncertain. As investors became more cautious, their ability to finish the feasibility testing needed for their prototype development was delayed. We provided 500,000 **euros** of investment to Hemotune to help them continue their vital work.

The future of promising fledgeling European

healthcare companies was also threatened by the

pandemic as investment and orders dried up. We

initiated support to help alleviate the financial shock

they faced. Our 'Start-up Rescue Instrument' and

'Headstart COVID programme' provided a total of

**6.5** million euros in investment to selected

start-ups. Additionally, our crowdfunding platform,

aescuvest, offered short-term financing campaigns

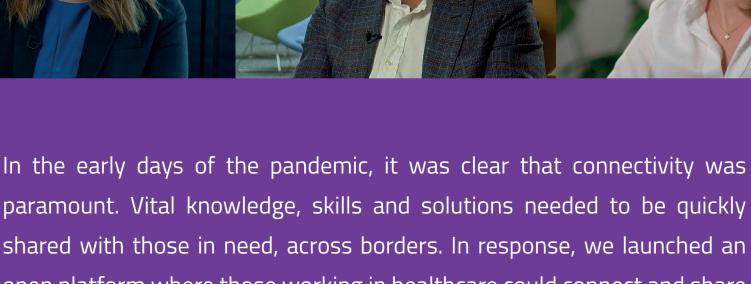
for start-ups and research organisations working on

solutions to combat COVID-19.

Hemotune

To help Hemotune

continue their vital work



**Allcyte** Data platform to support cancer treatment ILya Pharma Skin biologics for wound care **MRIguidance** Radiation free MRI for orthopaedic surgery **Orthox Holdings** Treatment for cartilage repair

shared with those in need, across borders. In response, we launched an open platform where those working in healthcare could connect and share knowledge and resources. At its peak, the platform was seeing 3,500 Servicio Madrileño de Salud (SERMAS)

the demand in cases of severe disease. The Making Connections platform connected the Madrid Health Service to a lung specialist in France who was able to share

Madrid was one of the most affected regions

in Europe during the pandemic and was

immediately faced with issues such as bed

and equipment shortages. There was a

"I would like to extend my sincere thanks to our partners and wider network, who have worked shoulder-to-shoulder with us to positively impact the lives of patients

Finally, I would like to extend heart-felt gratitude to all healthcare professionals,

and citizens across Europe as well as

to whom we are forever indebted."

Jan-Philipp Beck, CEO, EIT Health

further afield.

Measuring the prognosis of patients admitted to hospital Ultrasonagraphic lung simulator and Remote patient monitoring and management Certify.health Platform to track and validate testing and vaccinations Research, prediction modelling and social distancing intelligence

> ViruShield and CAR3D Rapid and highly sensitive testing

> > **Digital Control Centre for**

COVID-19, Climedo Health

and Allelica, Intrepida

**Long-lasting Antiviral Polymers and** ScinthealthImmuno

----- Connecting People --

Portabiles HealthCare

Management of

patients with

movement disorders

**Technologies** 

shortage of life-saving ventilators to meet emergency protocols for use of ventilators.

3,5K visitors per day

Addressing the gaps Working directly with healthcare services, we focused our attention towards the areas where innovation could Platforms to monitor Education for health-

13.4 million euros duaget was made