

# The COVID-19 cluster response: Solutions for dealing with ecosystem supply chain disruptions

By the European Commission, featuring the European Cluster Alliance

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# Introduction: COVID-19 Industrial Clusters: Response Portal

**Dr Ulla Engelmann**, Head of Unit European Commission, DG GROW F.2





# COVID-19 Industrial Clusters Response Portal



Ulla Engelmann, Head of Unit European Commission, DG GROW.F.2



ECCP: About 1000 European

**Industrial clusters** 



### Forum moderated by ECA for ECCP users





Here you can share your needs, offers, questions, experiences and solutions with the community. This forum is open to all registered users of the European Cluster Collaboration Platform. If you are not yet a member then please create an account <a href="here">here</a>. If you experience any issues logging into your account please read our FAQs <a href="here">here</a>. Please remember to read and abide by the forum rules. To contact one of our moderators directly please send messages to covid19response@clustercollaboration.eu





# ECA: 1100 offers from companies channelled to the Commission

### Needs and solutions for disruption in the value chain

Forum	Topics	Posts	Last post
I need help (Demand from authorities, health care providers and industrial clusters, etc) Subforums: Masks (2), PPE personal protection equipment (other than masks) (2), Ventilators (6), Testing kits (0), 3D printing of medical equipment and spare parts (2)	14	20	Romania: by Daniel Cosnita 23 hours 53 min ago
I can help (offers for supply and other help)	25	31	New Web app to by antonio.novo@idia.es 1 hour 19 min ago
Discussion on technological solutions and tips (Incl. cross sector collaboration) Subforums: 3D printing (7), Reusability of equipment (7), PPE personal protection equipment (1), Advanced textiles (0), Testing kits (0)	21	33	Search for by antonio.novo@idia.es 2 hours 32 min ago



# Technical communication: Managing the exchanges of today

### Welcome to all of you!

- To ensure a better connection for everyone, please remain muted at all times (unless you are asked to speak by the moderator) with video off.
- If you have a question, please raise your hand or text a message in the Chat: we will try to address the question during the meeting.
- If you have any connection issue: please send an email to Victoria. Huisa@ecorys.com

Please note that this meeting is being recorded – If you do not wish to appear on the recording, please do not raise any question orally nor writing.

Please submit your questions to Victoria. Huisa @ecorys.com





# **COVID-19 and clusters: Introductory remarks by the European Cluster Alliance (ECA)**

Antonio Novo Guerrero – President of the European Cluster Alliance Hervé Floch – Vice-president of the European Cluster Alliance







# About the European Clusters Alliance Some numbers

The European Clusters Alliance joins 13 national associations of Clusters representing more than 740 clusters organisations (from a total of 965 officialy registered), where 123.000 of our most innovative businesses collaborate with thousands of universities, research centers and public institutions to boost their competitiveness. Gobally, European clusters account for almost 122.000.000 jobs.



https://www.clustercollaboration.eu/sites/default/files/eu initiatives/eocic european panorama of clusters and industrial change 2019.pdf



# **About the European Clusters Alliance** A key actor in the European Innovative ecosystem





Clusters as accelerators & industrial





ESCP.S

Capacity-building







# **European Alliance Against Coronavirus Shared Leadership**















































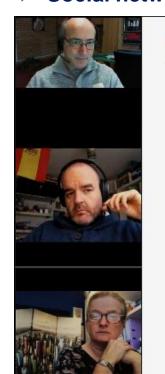


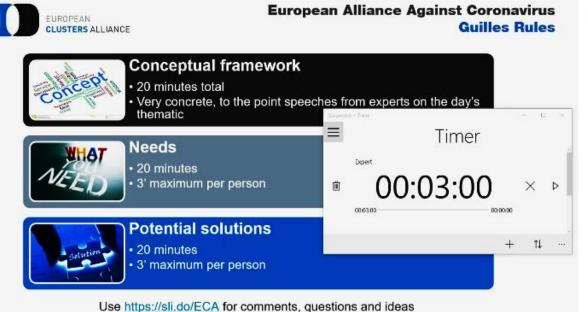


# **European Alliance Against Coronavirus Shared Spaces**

- > Resources from Multiple networks
- Daily Videoconferences
- **ECCP COVID-19 Forum**
- > Email lists
- Newsletter
- > Slack
- Social networks





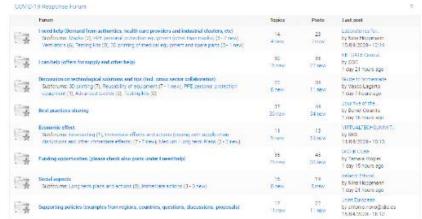




#### Welcome to the COVID19 Forum for Industrial Cluster Actors

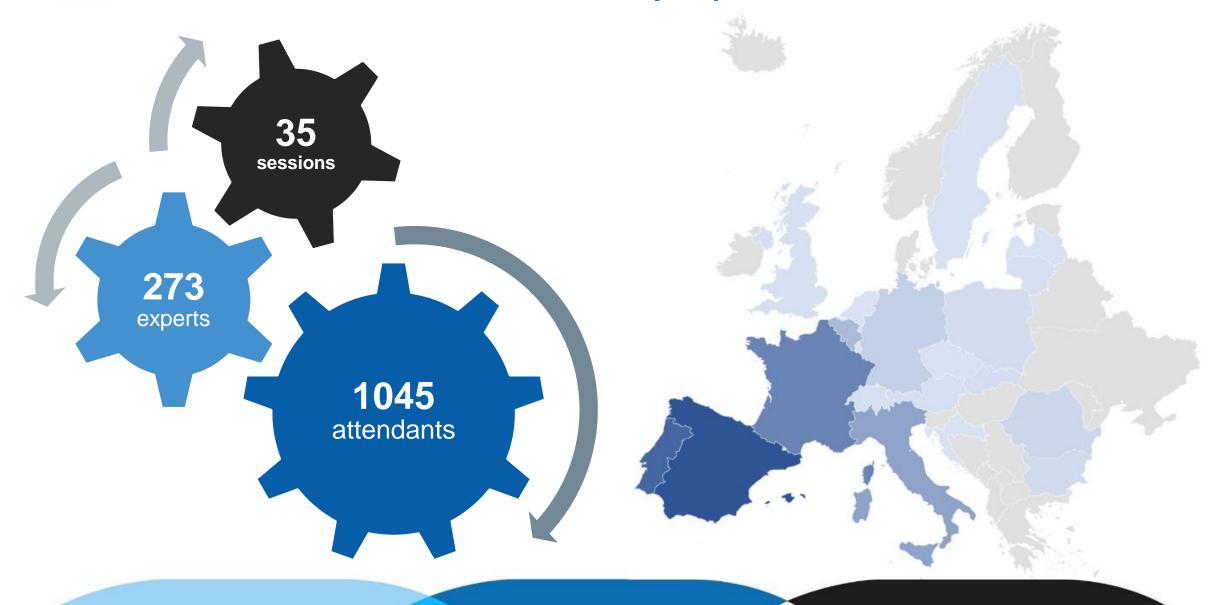
Here you can also you need a office question one operations and selectors will the community. This forum is apport to all registered sees of the European Client Collaboration (National Type on the pure and the present these present the experiments of the community of the community of the community of the community. To community of the community

#### ' Forum Rules





# **European Alliance Against Coronavirus Summary of previous videoconferences sessions**







## Collaborative reference of the Day



### **Conceptual framework**

Very concrete, to the point speeches from experts on the day's thematic. 20'



### Needs

- List of participants
- 3' maximum per person

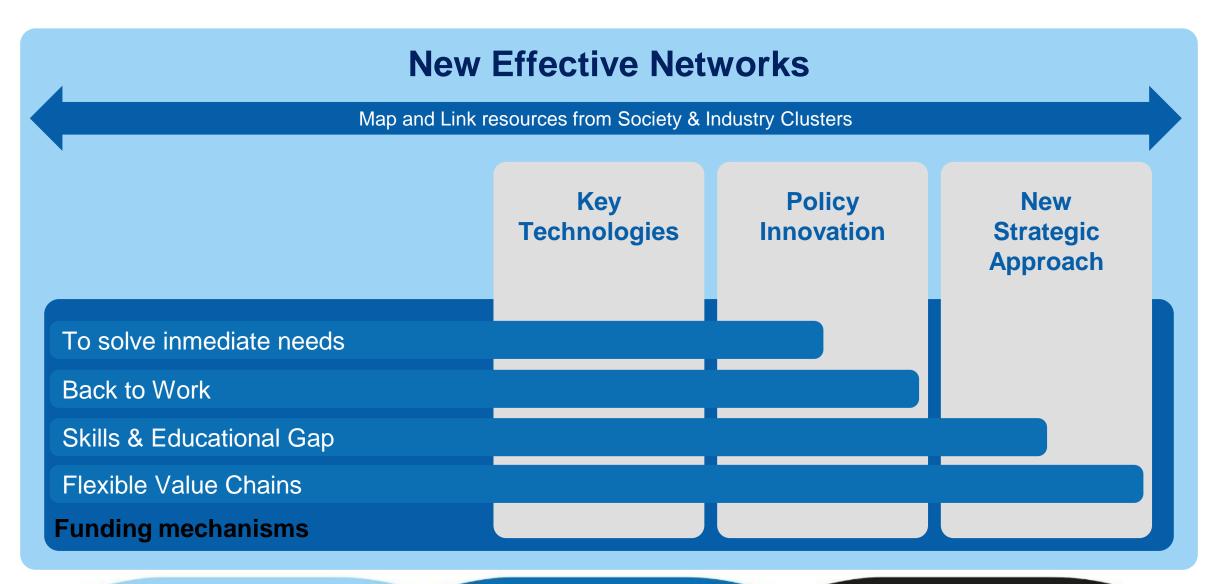


### **Potential solutions**

- List of participants
- 3' maximum per person



# **European Alliance Against Coronavirus Summary of previous sessions**





## **European Alliance Against Coronavirus New Effective Networks**

To improve European ability to answer the crisis through new effective networks linking civil society, social and industry clusters and public bodies, sharing leadership.



- To link society, social & industry clusters & public administrations
- To quickly **learn** from best practices
- Quick, open designs for medical supplies
- To develop effective purposedriven networks of clusters
- To make **structural** relationships for the delivery of **SDGs**
- To monitor interactions



### To create an European Task Force

- To define places to meet & matchmakers
- To use clusters as perfect vehicle to embed commons structurally in the economic activities
- Solutions • To implement common databases of open designs and peer-to-peer reviews methodologies



### The European Alliance Against Coronavirus

- Daily videoconferences, ECCP Forum, Slack...
- Quick transfer of Mask regulation form France to Spain
- Common library of 3D printed models and their analytics
- Sharing of resources: production capabilities, logistics networks, key contacts



# European Alliance Against Coronavirus Map & Link

MAP AND LINK → To map European industrial capacities and link them to public procurers

- Mapping the limited manufacturing capacities
- Facing lack of PPE and other equipments
- Organising the new ecosystem, production conversions and managing supply chains
- Need for new ICT tools for support, maps of resources and critical activities.
- Cooperation and fluid knowledge transfer between Health clusters



# **European Alliance Against Coronavirus Flexible Value Chains**

**FLEXIBLE VALUE CHAINS** → To make the Social and Industrial Value Chains more flexible and not so dependent on non European regions, reinforcing cross-clusters and cross-sectoral linkages

- Need to define and protect strategic health assets for EU population.
- Define European strategic industries/technologies (e.g. microelectronics).
- Clusters can help identifying strategic companies which should be part of the European value chains.
- Chance to develop via Clusters the development of matchmakers, connectors building linkages in the value chains
- In the post Covid19 there is the chance for more greener and a more digitalized Regions



# **European Alliance Against Coronavirus Key Technologies**

**KEY TECHNOLOGIES** → To develop Key Technologies / capacities: **3D printing**, advanced textiles and materials, healthcare devices, educational/training methodologies

- Respirators
- Develop massive and cost-effective solutions, ensuring the return on investment of companies
- Production advanced textiles (eg. nanofiber filters for breathing, with betadine)
- Need to find a reliable serological test in order to mass testing
- How to share a monitoring system for tested population
- We need to identify very **reliable widely testing** and take actions on that
- Analysing the re-use of masks, looking at filtration performance and Covid19 decontamination level for washed masks



### **European Alliance Against Coronavirus Funds Mechanisms**

To facilitate the knowledge, understanding and the effective implementation of funding solutions across our networks



- Rapid support in terms of liquidities for the companies so they can survive
- Support to social & cluster initiatives
- Support for unemployment and re-skilling
- Innovation and Research for **COVID** support



# Solutions

- Specific or adapted funding schemes with clear and simple auidelines
- Importance to disseminate clearly the rules of the game
- Ensure on mid to long term the public procurement of innovation



- Leverage of the knowledge on funding schemas
- Provision of rapid feedback to funders
  - Putting in contact stakeholders and different actors to work together
  - Example: ERDF Funds presented on video, shared with networks who provided feedback and reality check from critical mass in a very short time, questions still flowing



# European Alliance Against Coronavirus Skills Gap

### **SKILLS GAP** → Up-skilling and re-skilling, education

- We need to learn from the current situation, analysing facts
- We need **reskilling** to fight unemployment
- Need for a multidisciplinary integrated approach, with an international task force; develop a cross-discipline protocol for re-skilling
- Healthcare system: need for process reorganization at a system level and at hospital level;
   healthcare professional life skills development, as well as healthcare professional hard re-skilling
   There is a clear need to develop skills on supply chain management



# European Alliance Against Coronavirus Back to Work

BACK TO WORK: How to quickly return to work avoiding rebound and improving competitiveness

- Need to identify who can safely go back to work, establishing clear procedures to allow people to go back to work safely
- To help company to customize the recommendation
- How to provide masks to companies: there are not enough masks.
- Need for clearness on rules
- Need for agile governmental answers / contact
- Production and logistics planification



# European Alliance Against Coronavirus Policy Innovation

**POLICY INNOVATION**: There's a need for public policies innovation: homologation, public procurement, funding schemes...

- Need of an official platform to share homologation information.
- Clear rules of homologation to enable companies to produce the masks
- A urgency room to jump the homologation processes or to make them very very quick.
- Need to align national policies to prevent a rebound
- How to ensure the traceability and the quality of the products
- Space for public policy innovations → we can't expect to solve new huge problems with the same top-down approaches
- Redesign of the public purchase procedures aligning them with the need to maintain an efficient supply chain
- Reinforce innovative public procurement



# European Alliance Against Coronavirus New Evaluation Approach

**NEW EVALUATION APPROACH**: There'a a need for new evaluation approaches: qualitative measures and time

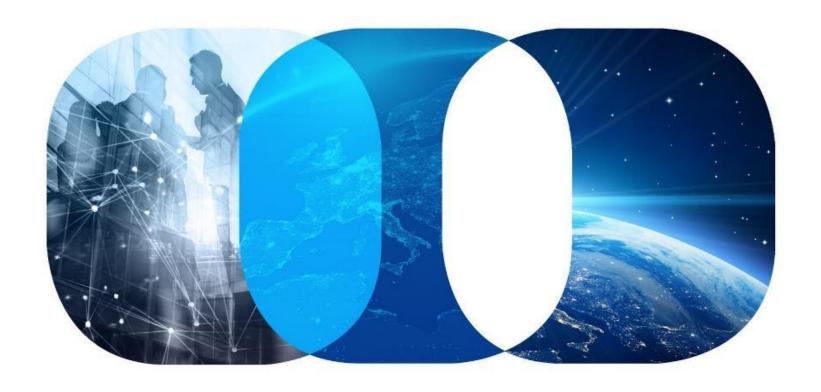
- New KPIs and qualitative indicators: the value of newtorks
- Purpose-driven choices and processes, not strict quantitative frameworks
- New organisational models
- Time is value: need for fast policies
- Need to leverage on the exponential growth of digital technologies



# We need to know what we are doing

What is needed to make this work sustainable and scalable?

How can we collaborate with the Rapid Alert Function?



EUROPEAN
CLUSTERS ALLIANCE



# Comments by the European Commission and European Cluster Alliance and Q&A session





# Mobilization of *Advanced textiles & materials* clusters for the creation of a new mask production supply chain Lessons learned & perspectives for European Dimension

**Stéphan Vérin –** *Euramaterials* 

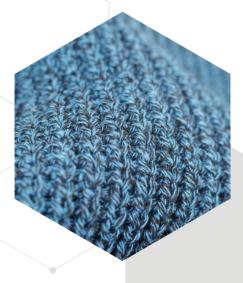




27 avril 2020



## Who are we?



### EuraMaterials' dynamic

- an innovation cluster
- a business club CLUBTEX
- an incubator/accelerator
- a **reference place** for advanced materials



### EuraMaterials is born from the merger of

- Matikem (materials, chemistry, green chemistry)
- UP-tex (technical textiles materials and processing)

### At a glance (end of 2018)

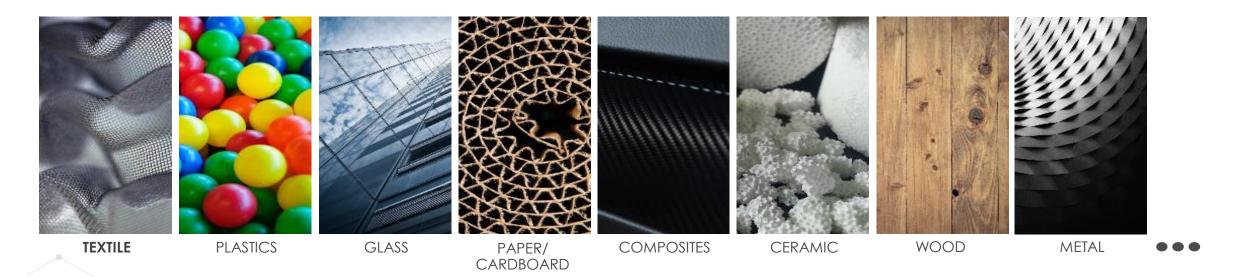
- 260 members
- Turnover:19 billions euros
- 174 companies
- 1,000 associated partners
- 432 labelled projects
- 218 financed projects







# The cluster of materials processing industry





### Advanced materials

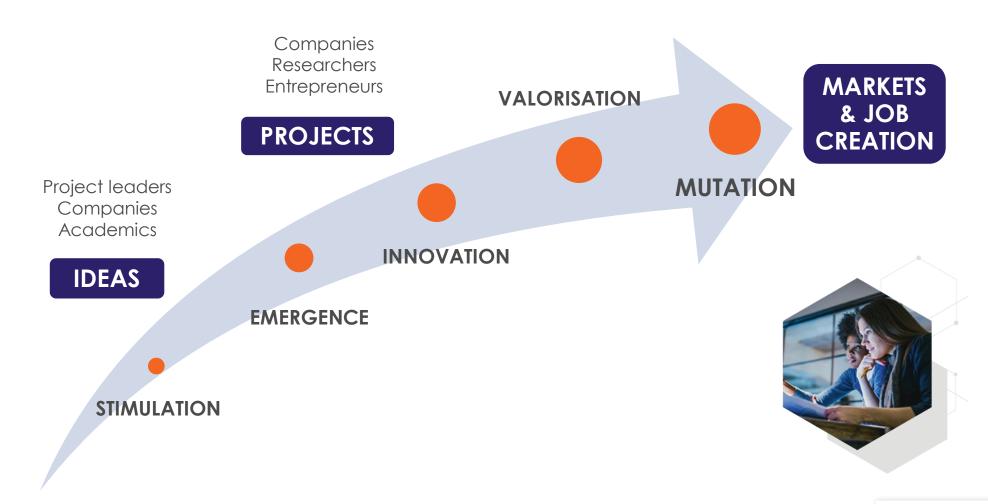
Complex structures
Innovative material properties
Eco-material and eco-design
Interactive materials and structure

### Factories of the future

High added value products & services Processes transformation & improvement Sustainability



# A complete value chain to support companies







# EuraMaterials Involvement on the topics: Masks and overshirts

- From 11 March, participation in the interministerial "masks" working group led by the General Secretariat for Defense and National Security.
- In this context, mobilization of the DGA (research department of the Army) and emergence of approaches to create substitute masks for essential workers, then for the general public.
- By decision of the Secretary of State Agnès Pannier-Runacher, this group was taken in hand by the DGE (French Ministry of Industry) as of March 23rd, for the operational implementation of the industrial deployment in connection with Clusters EuraMaterials & Techtera and IFTH (Textile Technical Center) and the CSF Mode & Luxe (Professional Organizations)
- Specific work on materials is underway:
  - Work on a national scale
  - Strict data confidentiality policy











# Details involvement of clusters on the subjects Masks and overalls









Advisory group to organizations:

Fashion & Luxury Sector Strategic Committee, General Directorate of Companies, textile and other professional organisations, local authorities, etc.

- Technical support to companies, in particular on the direction to be taken in the development of UNS masks and the results of DGA characterizations.
- Give recommendations on high-performance complexes
- Solicitations to build on the experience gained on anti-fouling gowns

## **Analyse**

- Creation of a material database related to DGA reports
- Comparison of complex typologies
- Analysis of the constituent materials of complexes



**Datas analysed** 

**300 Companies** 

600 reports

**800 Materials complexes** 

#### Material group data

- Supervised registration in the database
- List of manufacturers and material suppliers
- Anonymised data



# **Success for European Cluster Alliance**

- The 2<sup>nd</sup> of April, EuraMaterials has been invited to present the French Expérience at ECA Morning webinars
- The 3rd of April, I've been contacted by Mr Novo Guerrero to send details about the new french regulations
- The 8 of April the Spanish Ministry of Industry, has published an official regulation enabling the French standard in Spain

### SUCCESSFUL EUROPEAN COOPERATION







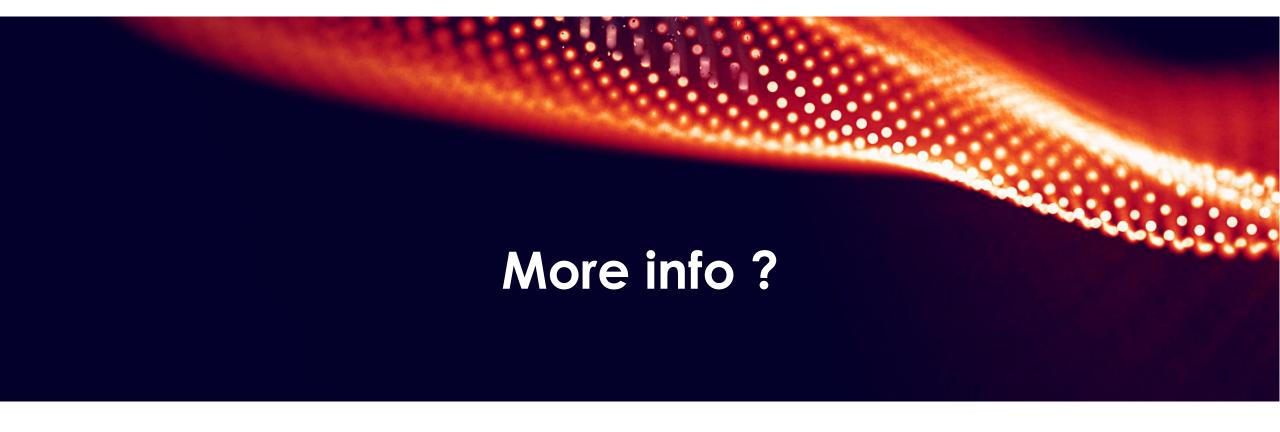
## Perspectives & Next Steps

- First of all, the most efficient masks are generally three-layer masks:
  - filtering barrier type spun non-woven, fleece, brushed cotton
  - coton ou polycoton
- Working groups launched by clusters on :
  - maintenance and end-of-life of products
  - certification of the most promising masks
- Innovation :
  - Improve efficiency of PPE (masks)
  - Find new materials as substitute of Melt Blown Non-Woven
- In the medium term: rethinking industrial value chains to ensure self-sufficiency for Europe and France
  - In Mask Productions
  - In Non Wovens
  - In Raw Materials

Business Models?
Which role for Structural Funds & EIB?

















41 rue des Métissages – CS70314 – 59336 Tourcoing CEDEX - France

Labels





Certification



#### **Partenaires publics**













## Comments by the European Commission and European Cluster Alliance and Q&A session





## Locally distributed models of cooperation emerging in moments of social distress

David Cuartielles – Arduino
Jouke Verlinden – University of Antwerp





## Pandemia Day Zero

3 possible plans to consider

- A. Governments have the money to obtain existing equipment to deal with the crisis
- B. National companies get help from the public sector to ramp-up production or even modify existing production lines
- C. Civic society comes in

#### The case of Spain

While the government pursued plans A (PPEs + respirators) and B (mostly respirators), the Coronavirusmakers community emerged to become the distributed manufacturing force to support medical professionals, police, and people in services with PPEs

Furthermore, thanks to the intermediation of the national foundation for innovation *Cotec* as well as the members of the *European Cluster Alliance*, the maker community was able of participating in the race for producing respirator machines

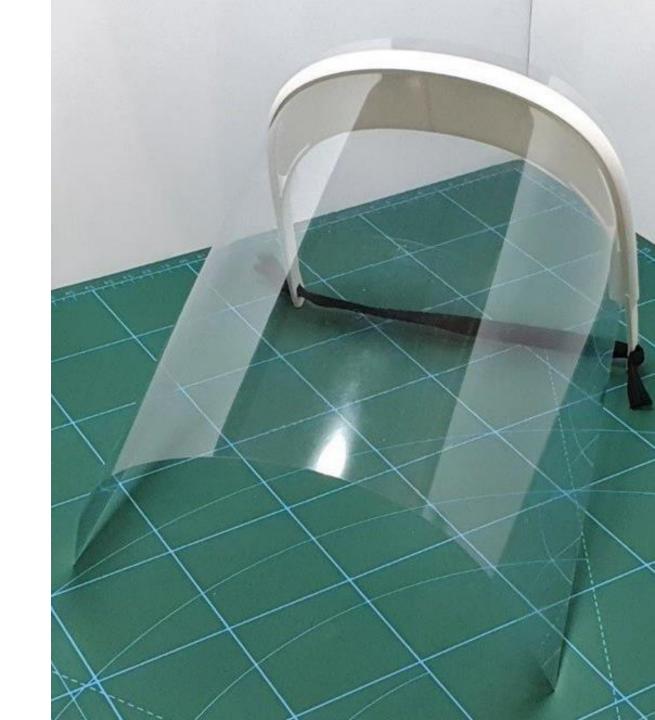


#### The case of PPEs

The first PPE to reach the hands of medical professionals was the face-shield

There are several designs, but the most common one is the so-called Hanoch model (in the picture)

Currently, the design of the face shield has been validated by the Ministry of Industry



# 500.00

over half million face-shields have been manufactured using DIY techniques in Spain in the last 45 days

#### The next big hit

Face masks are the next protection device,
Coronavirusmakers has created a guide
explaining how to produce them and which
materials from the average household can be
used as filters

We are releasing (this week) our latest manual on this topic



# 100.00

over hundred thousand masks have been manufactured using DIY techniques in Spain in the last 45 days

#### Respirators / ventilators

Thanks to the intermediation of Cotec, it was possible to have an open and honest conversation with Spanish national agency for medical products and medicines (AEMPS) in respect to the production of medical devices like respirators

The community produced different designs based on the techniques listed:

- CPAP with diving masks
- Ambu-based intubation machines
- Jason-rees machines
- Compressed oxygen delivery machines



# 70

we witnessed the design of over 70 different designs of which 7 passed the tests set by the AEMPS thought they will never be used

# Homologation processes

the next challenge

- Bureaucracy at national and EU level
- UNE norms for medical products temporarily available
- Patents temporarily dismissed

# temporarily

this is what hindered innovation for the so-called plan B

# Dissemination processes

how makers reached out and scaled up

- Collaboration with SMEs
- Telling the stories of the makers
- Reaching out to kids
- Opening collaboration lines with LatinAmerica

## Challenges

- Community management
- Fundraising
- Identity



## Faster tracks for 3D PPEs?



Prof. Jouke Verlinden
Faculty of Design Sciences,
University of Antwerp





### Promise of 3D printing but...

- Limited materials
- Limited material structures
- Limited geometries
- Limited production volume
- Limited quality control (design)
- Limited quality control (process)







### Relevance on safety



#### Operational Support & Logistics Disease Commodity Packages

examination or surgical,	Gloves, examination or surgical, nitrile, powder-free, sterile, single-use Gloves should have long cuffs, reaching well above the wrist, ideally to mid-forearm Sizes: small, medium, large	EU MDD Directive 93/42/EEC Category III,     EU PPE Regulation 2016/425 Category III,     EN 455,     ANSI/ISEA 105,     ASTM D6319     or equivalent
Goggles, protective	Good seal with the skin of the face, flexible PVC frame to easily fit all face contours with even pressure, enclose eyes and the surrounding areas, accommodate wearers with prescription glasses; clear plastic lens with fog- and scratch-resistant treatments; adjustable band to secure firmly so as not to become loose during clinical activity; indirect venting to avoid fogging. May be re-usable (provided appropriate arrangements for decontamination are in place) or disposable.	• EU PPE Regulation 2016/425 • EN 166 • ANSI/ISEA Z87.1 or equivalent
Face shield	Made of clear plastic and providing good visibility to both the wearer and the patient Adjustable band to attach firmly around the head and fit snuggly against the forehead, fog-resistant (preferable). Completely covers the sides and length of the face. May be re-usable (made of robust material which can be cleaned and disinfected) or disposable.	EU PPE Regulation 2016/425     EN 166     ANSI/ISEA Z87.1 or equivalent
Fit test kit	To evaluate effectiveness of seal for tight-fitting respiratory protection devices	OSHA 29 CFR 1910.134 Appendix A
Particulate respirator,	N95 or FFP2 respirator, or higher Good breathability with a design that does not collapse against the mouth (e.g. duckbill, cup- shaped).	Minimum "N95" respirator according to FDA Class II, under 21 CFR 878.4040, and CDC NIOSH, or     Minimum "FFP2 according to EN 149, EU PPE     Regulation 2016/425 Category III, or equivalent
	Surgical mask, good breathability; internal and external faces should be clearly identified Type II or higher.	EU MDD Directive 93/42/EEC Category III or equivalent     EN 14683 Type II, IR, IIIR     ASTM F2100 minimum level 1 or equivalent
	Surgical mask, good breathability; internal and external faces should be clearly identified Type I.	EN 14683 any type including Type I     ASTM F2100 minimum level 1 or equivalent
Scrubs, tops	Tunic/tops, woven, scrubs, reusable or single-use, short-sleeved (tunic/tops), worn underneath the coveralls or gown	

# Coronavirus: European standards for medical supplies made freely available to facilitate increase of production

The list of the standards follows:

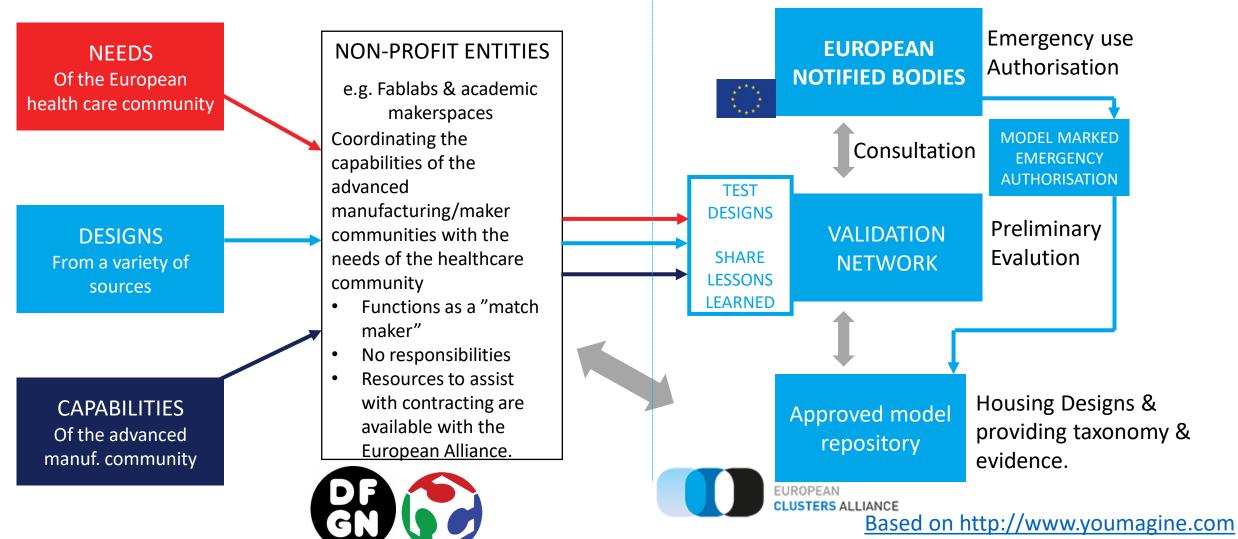
- EN 149:2001 + A1:2009 Respiratory protective devices Filtering half masks to protect against particles - Requirements, testing, marking (commonly referred to as 'FFP masks')
- > EN 14683:2019 Medical face masks Requirements and test methods
- > EN 166:2001 Personal eve-protection Specifications
- EN 14126:2003 + AC 2004 Protective clothing Performance requirements and tests methods for protective clothing against infective agents
- EN 14605:2009 + A1:2009 Protective clothing against liquid chemicals performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only
- EN 13795-1:2019 Surgical clothing and drapes Requirements and test methods Part 1: Surgical drapes and gowns
- EN 13795-2:2019 Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment Part 2: Test methods
- EN 455-1:2000 Medical gloves for single use Part 1: Requirements and testing for freedom from holes (MDD)
- EN 455-2:2015 Medical gloves for single use Part 2: Requirements and testing for physical properties (MMD)
- EN 455-3:2015 Medical gloves for single use Part 3: Requirements and testing for biological evaluation (MDD)
- EN 455-4:2009 Medical gloves for single use Part 4: Requirements and testing for shelf life determination (MDD)

In addition, upon CEN's request the following EN ISO standards are made available as read-only:

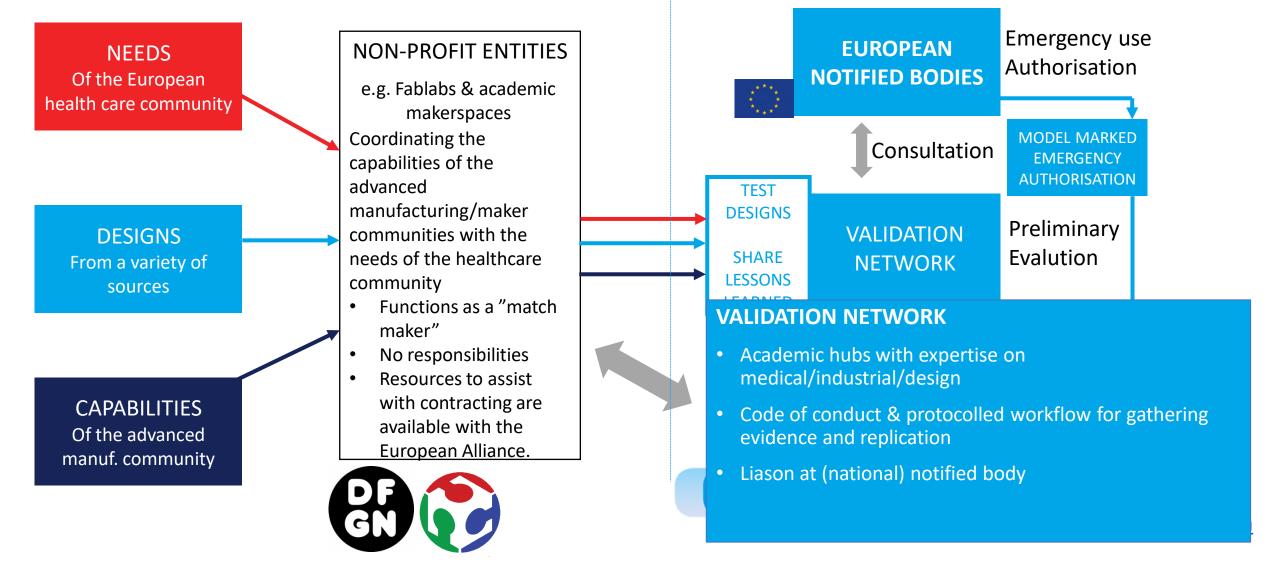
- EN ISO 374-5:2016 Protective gloves against dangerous chemicals and micro-organisms Part 5: Terminology and performance requirements for micro-organisms risks
- : EN ISO 13688:2013 Protective clothing General requirements
- > EN ISO 10993-1:2009 + AC 2010 Biological evaluation of medical devices Part 1: Evaluation and testing within a risk management process

https://ec.europa.eu/commission/presscorner/detail/en/IP 20 502

### Proposing a better PPE & Healthcare innovation pipeline during emergencies



# Proposing a better PPE & Healthcare innovation pipeline during emergencies



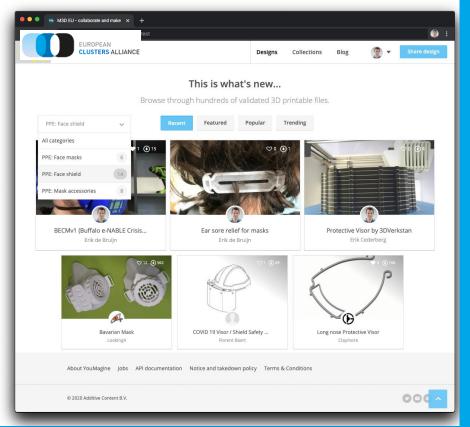
Proposing a better

PPE & Healtho

NEEDS
Of the European
health care community

DESIGNS
From a variety of sources

CAPABILITIES
Of the advanced
manuf. community



#### MODEL REPOSITORY- Youmagine platform

- A non-profit design repository with 3D visualisations, upload and moderation possible.
- Adapted with evidence/approval mechanisms.
- Already well known in the European Maker/fablab community. (originally by Ultimaker, the Netherlands).
- Adaptations can be made in days/weeks.

with contracting are available with the

European Alliance.



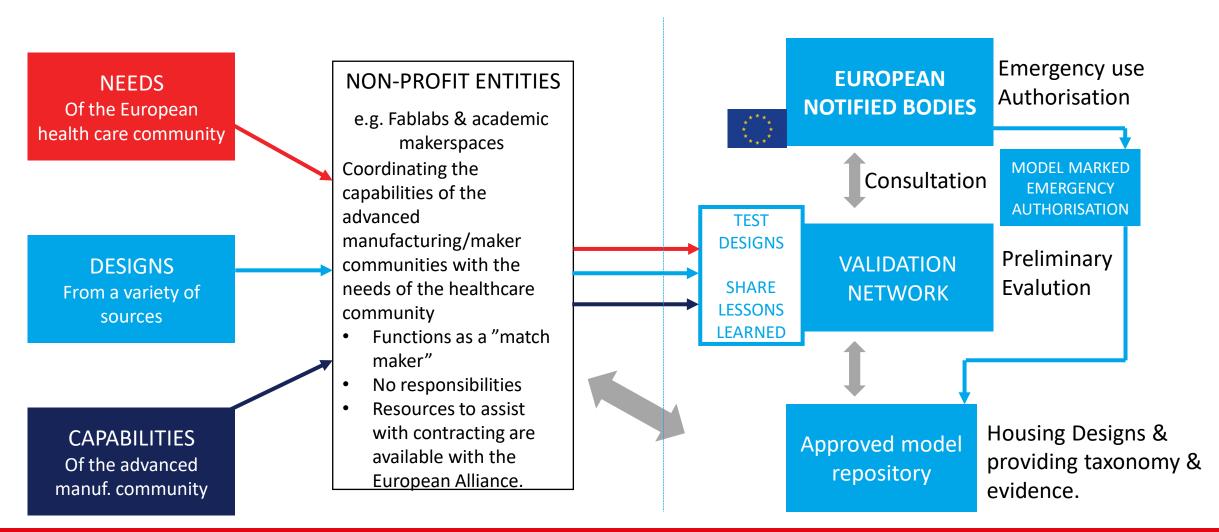
Approved model repository

Housing Designs & providing taxonomy & evidence.



Based on http://www.youmagine.com

### Thank you for your attention!



- Prof. Jouke Verlinden & prof. Regan Watts & prof Stijn Verwulgen
- Erik de Bruijn (youmagine)







## Comments by the European Commission and European Cluster Alliance and Q&A session





## Solutions for supply chain disruptions: Logistics and the social economy

Ilaria Massari - Reindustria







Webinar by the *European Cluster Collaboration Platform*:

"The Covid-19 industrial cluster response: solutions for dealing with ecosystem supply chain disruptions"

by the European Commission, featuring the European Cluster Alliance

## Logistic disruption, social economy and cluster role





#### **REI – Reindustria Innovazione**

The public (79%) – private (21%) partnership society in Cremona (Lombardia Region, IT)

- 45% of Chamber of Commerce of Cremona
- 35% of Municipalities
- 11% of Business Associations
- 9% of Banks
- 1% of Cremona Fair Entity
- 25 years of **local development agency**, born in 1995 because of **reindustrialisation** of a huge **Olivetti** settlement (520.000 sm)











#### **REI – Reindustria Innovazione**

Acting as <u>facilitator</u> and <u>matchmaker</u>, in these 4 areas:

1. Attractiveness of the territory (together with Lombardia Region and Unioncamere)

- Regeneration of the territory
- Abandoned area development plans

#### **2.** Research and Innovation → building bridges

- Collaboration with several Universities and Research centers
- Collaboration with Clusters and several companies
- Lead partner of <u>AD-COM</u> Advanced Cosmetic Manufacturing (9,4M€, cofunded by ERDF)
- Lead partner of Humans Hub, Human-oriented Manufacturing Solutions (7,7M€, cofunded ERDF)

#### 3. Innovative startup facilities

- Startup incubator in Crema
- Partnership with Chamber of Commerce

#### 4. Tavolo della Competitività secretariat

Ongoing concertation of strategic decisions



#### Secretariat of the 4 **Thematic**

#### Tables:

- 1. Infrastructures
- 2. R&I, Education, Labour
- 3. Culture and Tourism
- 4. Administrative Simplification



#### **3 KEY VALUES**



#### Disruption of the cosmetic value chain (by the end of February)

#### **Logistic challenges**

#### (picture before Covid)

- Exporting 80/85% average
- B2B manufacturing chain
- 15,5 Billions GDP at national level
- 200.000 Italian employees
- High level of knowledge and GMP
- Consumer oriented innovation and creativity and design
- Rapid industrialisation
- 4.0 technologies investments



#### **Paralyzed inbound and outbound logistics**

- Immediate block of products at customs
- - 54,5 % in one month
- Cases of blocking of deliveries (FR, DE, UK)
- Cases of suspension of orders for 6 months
- Drop in consumption
- Temporary stop at 4.0 investment
- Global estimation of -25% less consumption















#### How cosmetic cluster is reacting

#### Short term

#### Medium term

#### At <u>cluster</u> level



Rapid connection to healthcare needs and solidarity issue
Immediate communications of measures, updating members
Economic impact analysis/monitor and Government dialogue
Mapping

- Those who reconverse the production
- Solidarity donations of products
- Give back to all the whole picture, as interactive process

#### Knowledge, R&I and advanced material study

Ongoing key words:

- Customer safety
- More technologies
- 100% reliability
- Traceability and real time information to customers
- Electronic labels and touchless systems to avoid contaminating the products
- Updated skills in supply chain challenges

#### At cosmetic

companies and value chain level



#### Many cases of conversion of the productions

- Higienic gel and other sanitizers
- Primary pack for hydroalcoholics
- Packaging components for healthcare
- Formulations for personal care Hydroalcoholics

Adoption of prevention and sanitation measures

Monitoring evident consumer changes

E-commerce channel acceleration

#### **Future trends**

- Sustainable transformation of cosmetic value chain
- Product traceability (more transparency and more information on ingredients for customers), sources of supply and production processes
- Packaging versus Covid19
  - «touch free» labels / smart labels
- New enabling technologies
  - App integration
  - Real time monitoring of trace



#### **Shared Leadership**, facilitated by European Cluster Alliance

At EU level, an everyday improvement process Everyday at 8:30



**European Alliance Against Coronavirus (EAAC)** 

### **Understand** reality

#### Think

needs

**Identify** potential solutions

#### **Transfer & ACT**

among networks

- ✓ Conceptual frameworks
- Collective analysis and understanding
- Sharing concrete experience from multidisciplinary knowledge

- ✓ Collective discussions about realtime problems
- Evidencing needs
- ✓ Focus on bottlenecks
- Comparing local different contexts
- ✓ Collective rapid brainstorming
- ✓ Working on solutions
- ✓ Evidencing <u>short term actions</u> and reactions
- ✓ Evidencing long term visions

- Share with stakeholders
- Transfer in the networks
- ✓ Bring back to daily context: getting feedbacks and giving feedbacks

#### Cross sectoral contribution from people all over EU

Gathering of multi-level competences and knowledge

Proposal of <u>Rapid Alert Function</u>,
Veronica Elena Bocci, DITECFER Coordinator
For more information on EAAC

#### **3 KEY VALUES of this LOOP process**

### What is still missing → social economy structural connections

What we see

What can be done

At local / cluster level

Effective civil society and solidarity reaction Local dense community and rapid answers

(see ECA sessions)

→ Not connected to cluster strategy

Need to capitalize solutions, scaling up Need to set shared value creation strategy

→ Need to add the social dimension in the cluster strategy

At
National
level

Cluster policy are not engaging civil society

Space to align with hybrid approach

→ We are not meeting societal challenges

Need is to **facilitate the coordination** at National level with:

- → Cross sectoral and cross regional approach
- → Multilevel approach

At **EU** level

Demostration of how rapidly clusters and social economy can react

→ We miss purpose-driven networks

Improve EU ability to answer the crisis through new effective networks linking civil society, industry clusters, researchers and public bodies

→ Invest in effective network management



### 3 lessons learnt

- 1. Can **the Skill Gap** we are facing be actually a **strategy gap?** → do we all cluster managers have a (personal) **strategy** that proactively take us to solutions? Do we all know what strategy is (*non only a document*)? Do we have the **motivation** in facilitating our clusters? Are we aligned with EU-Regional policy?
- 2. Effectiveness of well managed networks, eg. EAAC: an interaction space as common ground, result of a mix of top-down and bottom-up approach, where to bring issues and take out results → Individual active participation is key
- **Trust is invisible**, but it counts: need to recognize the **value of intangible assets**. Believe in the **value of networks**, leverage on networks.

«We are all in this together.»
TCI Network





## Comments by the European Commission and European Cluster Alliance and Q&A session





## Open live chat discussion on lessons learned for dealing with supply chain disruptions across Europe's industrial ecosystems

Moderated by Carsten Schierenbeck, team leader for industrial modernisation Cluster Team of DG GROW





#### Wrap-up and next steps

**Dr Ulla Engelmann**, Head of Unit, European Commission, DG GROW F.2 **Antonio Novo Guerrero** – President of the European Cluster Alliance







Thank you for your attention!

