VANGUARD INITIATIVE
New growth through smart specialisation

3DP PAN EU

a tool to support manufacturing companies, also in times of crisis

EWRC 2020 – online 14/10/20
Session “Resilience of EU innovation ecosystems”
Wim De Kinderen, Brainport Eindhoven

3DP PAN EU

BRAINPORT EINDHOVEN

Context : the Vanguard Initiative ?!
a short intro.

Regional Cooperation

S3 Smart Specialisation

Industrial Innovation

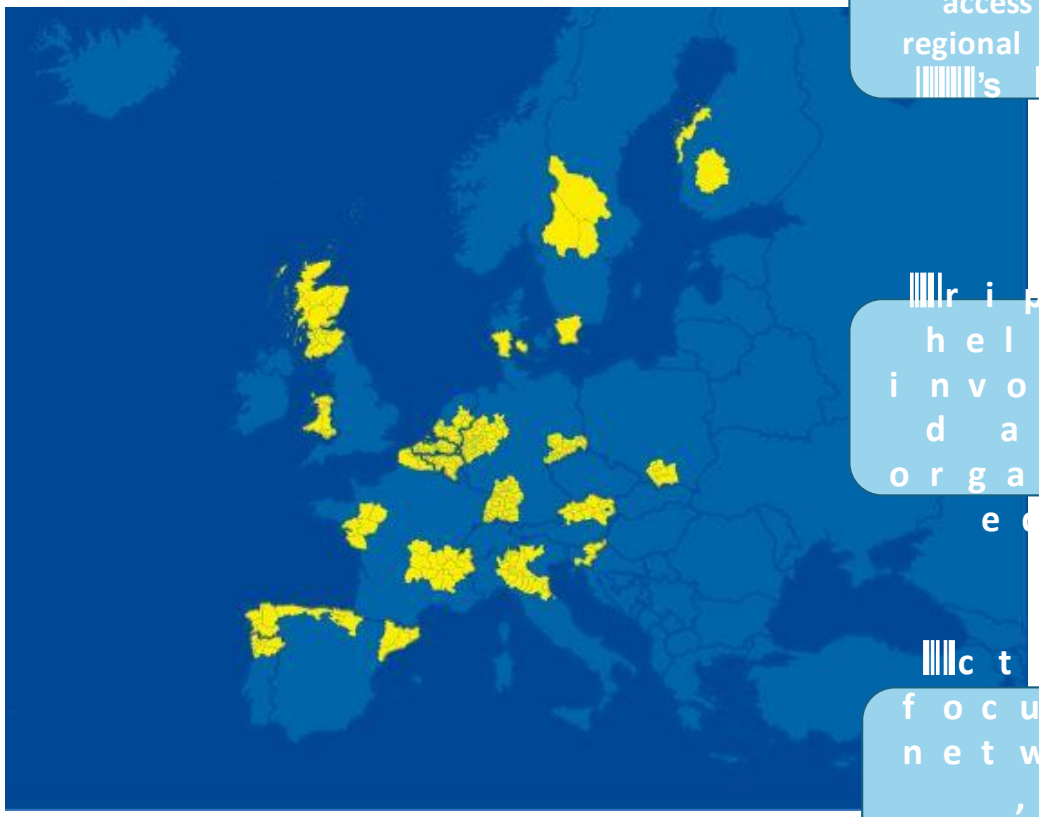
Political Commitment

Entrepreneurship

- **two presumptions :**

1. our **Smart Specialisation Strategy (S3)** is the result of a real **Entrepreneurial Discovery Process (EDP).**
2. our companies have a **positive attitude towards 'Internationalisation'**, and it is even a priority for their business.

VI : a network of many regions (37 today)



- region
- industry based S3
- ambition
- political commitment (Milan Declaration, 2014)
- mobilizing and organizing stakeholders in the region
- active participation in the network structure
- active participation in core activities

Vanguard Initiative's Pilot Projects
a short intro.

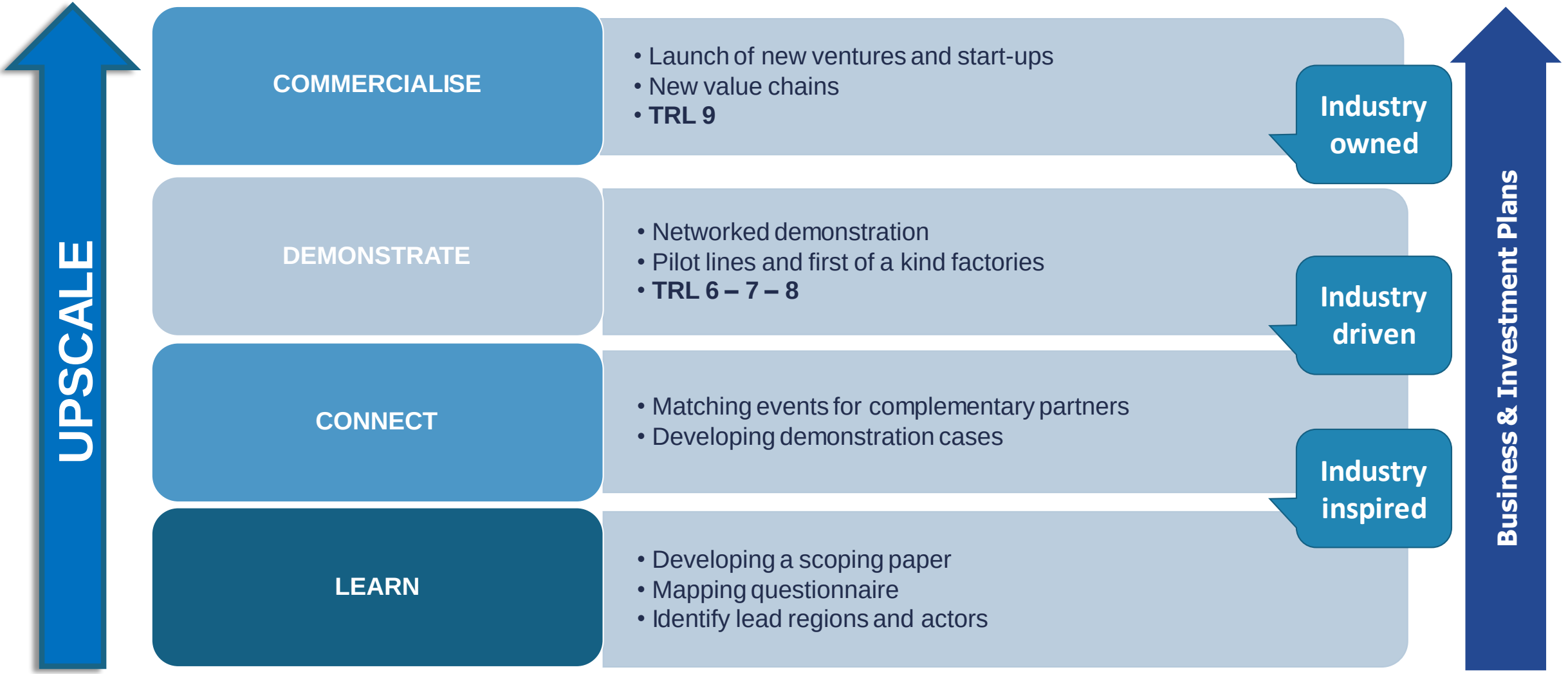
VI Pilot Projects

- **Interregional cooperation projects between companies and knowledge institutes in a specific technology field or application domain**
  - demonstration projects, no research (> TRL 5 – post prototyping)
  - industrial commitment (to participate/lead/co-invest)
  - European dimension : added value of joint demonstration
  - expected significant impact (economic, social and environmental returns)
- **European Networks of Demonstrators**
- **no "one off" projects / building of new industrial value chains through a pipeline of investment projects**

in order to :

- **accelerate market development**
- **global competitiveness**

VI Methodology



3DP Pilot Project and its democases

- 3D printed hybrid components
- Additive Subtractive Platform High Precision & High Finish Production
- 3D printed automotive components for large, medium, and small complex parts
- machinery, tooling and complex shapes
- 3D-Printed Customized Components for Orthosis, Exoskeleton and Exoprosthesis
- structural integrated electronics in 3D printed parts
- additive manufacturing in the built environment
- innovative hybrid manufacturing approach for repairing added value damaged objects
- efficient collaborative robot through 3D printing optimization
- toolset for 3D maintenance and training course for maintenance staff

→ constant process of proposing and pitching

→ agile way of working

3DP PAN EU

core supportive structure for European AM industry

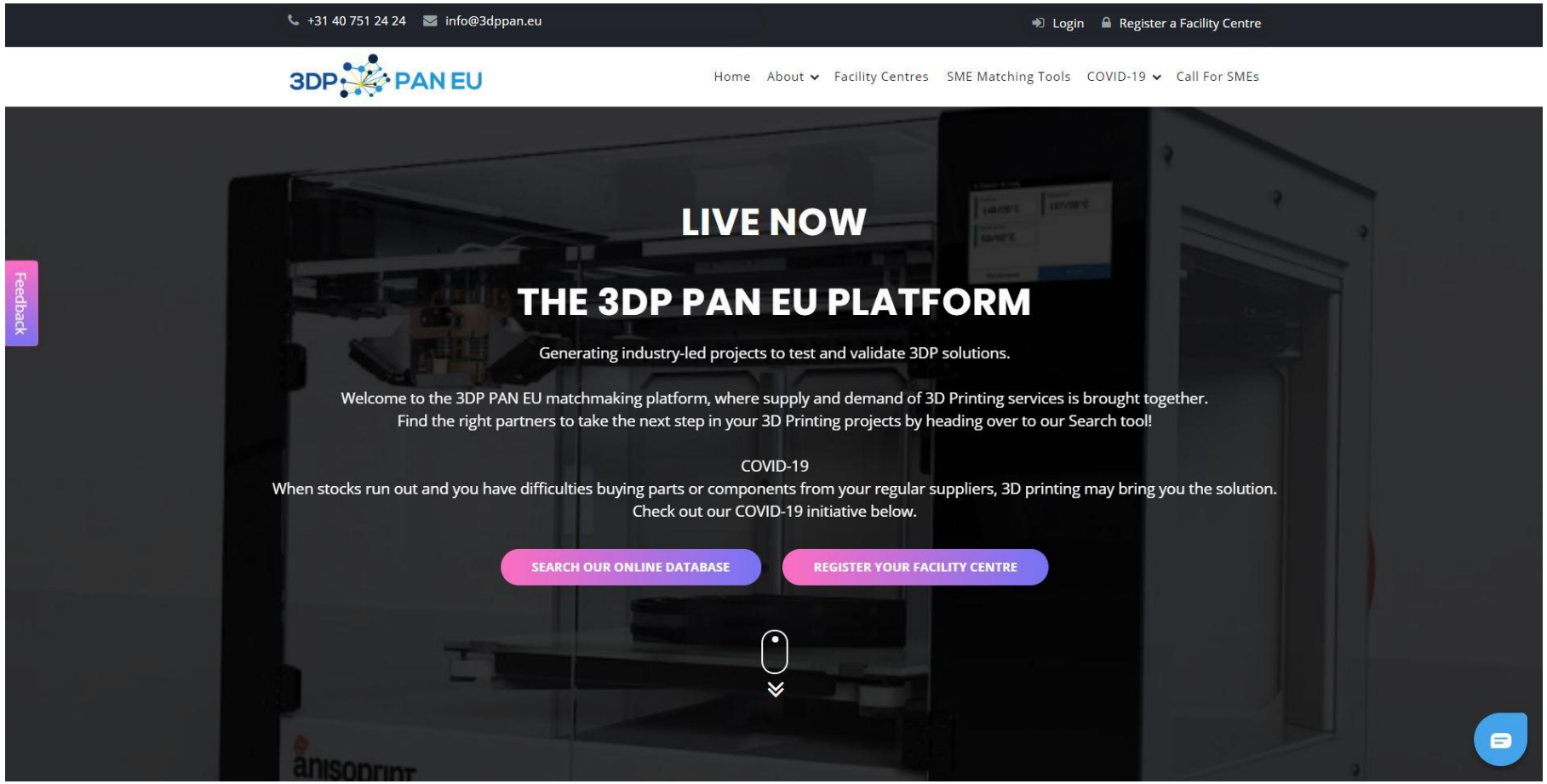
The **3DP PAN EU** Project started in January of 2019 with the aim of **fostering awareness, knowledge and uptake of 3D printing technologies by facilitating and promoting SMEs' access to high quality services related to testing, validating and certifying 3D printing Solutions**.
Implemented by the project partners Brainport Development, IDEA Consult, AR-TER, CIVITTA and Asterion Europe, the project addresses the aim by:

- developing and delivering a functional and user-friendly **online interface** which will provide **complete and comprehensive information on 3D printing facility centres and the services offered to SMEs at the European level**;
- launching an **open call for funding** of individual projects. Over the course of the project lifetime, the online interface will become operational. Through this open call for funding, SME – facility centre collaboration will be further pilot testing in the future;
- delivering a **gap-analysis on the availability and provision of 3D printing solutions** across the EU Member States in order to support policy makers in their decisions in the design of SME support mechanisms, as well as regional specialization in the 3D Printing domain.

Supported by the European Union

VANGUARD INITIATIVE

the Platform : www.3dppan.eu



Matching Tools

Select your tool!

The basic filtering tool

Get a quick overview of Facility Centres able to provide a specific service!

Click here

The in-depth matching tool

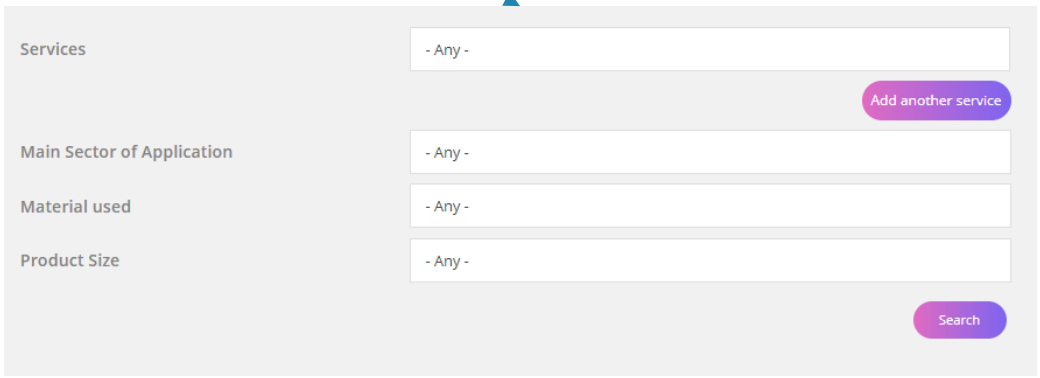
Describe your needs and find the right partner for your project!

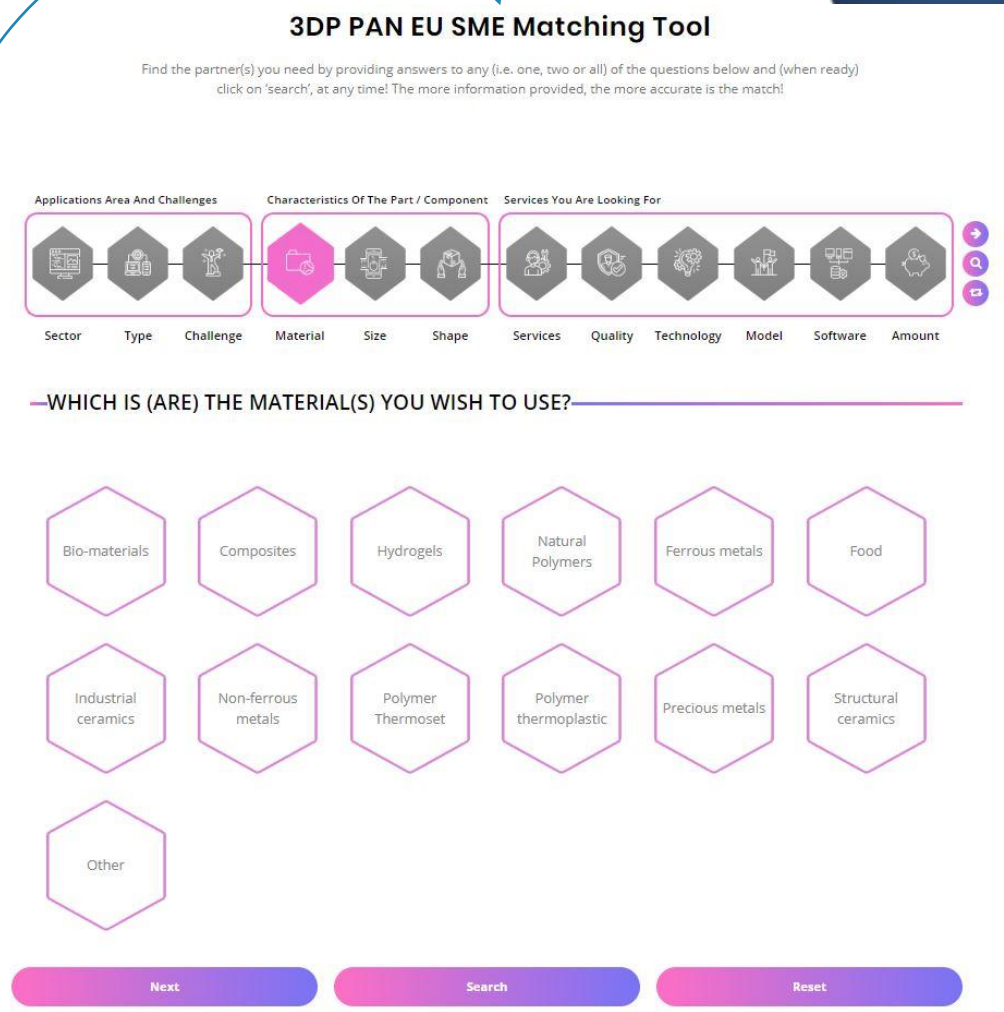
Click here

Facility Centres

Get a quick overview of all the Facility Centres registered on the 3DP Pan EU Web Portal.

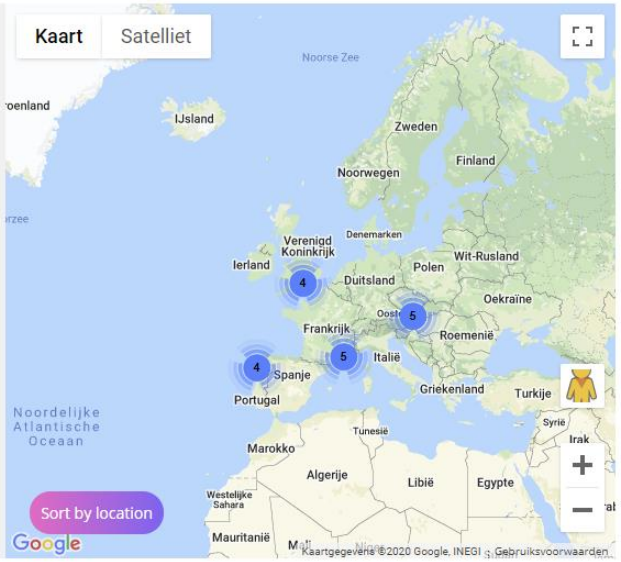
Click here





Search Criteria

Sector :	Any
Size :	300 - 500 mm
Shape :	Any
Material :	Ferrous metals
Quality :	Any
Model :	Any
Technology :	Any
Software :	Any



18 FACILITY CENTRE(S) FOUND IN 9 COUNTRIE(S)

3D Medlab
Private
France
Available filter: 300 - 500 mm, Ferrous metals

3T Additive Manufacturing Ltd
Private
United Kingdom
Available filter: 300 - 500 mm, Ferrous metals

Any-Shape SA
Private
Belgium
Available filter: 300 - 500 mm, Ferrous metals

Oceanz 3D printing
Private
Netherlands
Available filter: 300 - 500 mm, Ferrous metals

FACILITY CENTRE

Facility Centre Name: Oceanz 3D printing
Facility Centre Type: Private
Facility Centre Region: Gelderland, The Netherlands
Address: Maxwellstraat 21, 6716 BX, Ede, Netherlands.
Website: www.oceanz.eu

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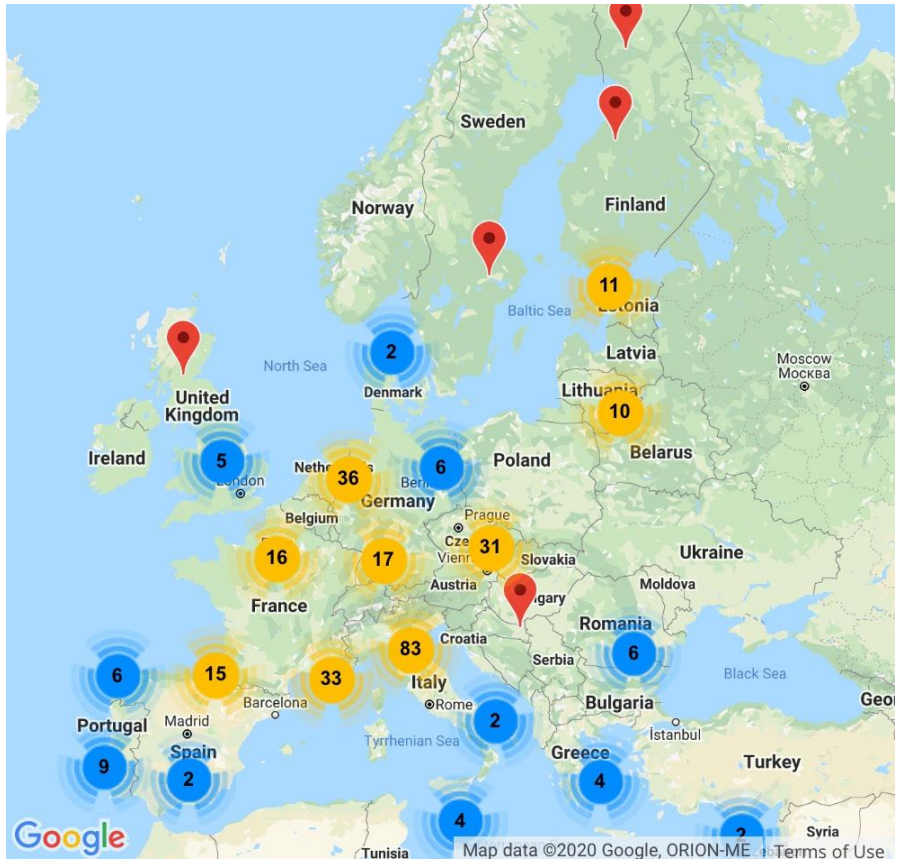
3DP PAN EU
VANGUARD INITIATIVE

3DP PAN EU in figures



- currently registered to the platform
  - 377 Facility Centres
  - 716 pieces of equipment
  - 1.069 services
- average of 9.900 page views per month since the launch

Supported by the European Union

BRAINPORT DEVELOPMENT economische ontwikkelingsmaatschappij

IDEA CONSULT thinking ahead

CIVITTA

ART-ER ATTRACTIVENESS RESEARCH TERRITORY

ASTERI EUROPE

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3DP PAN EU's Covid-19 Response Initiative

- global health crisis negatively impacted EU supply chains
- 3D Printing as a possible solution ('high-mix, low-volume, high-complexity')
- extension of the scope of 3dppan.eu, but limited to the COVID-19
- open to any Facility Centre within the EU
  - specification related to COVID-19
  - action within the registration process
  - 113 Facility Centres registered as "Covid-19"
- "good practice inventory" invitation

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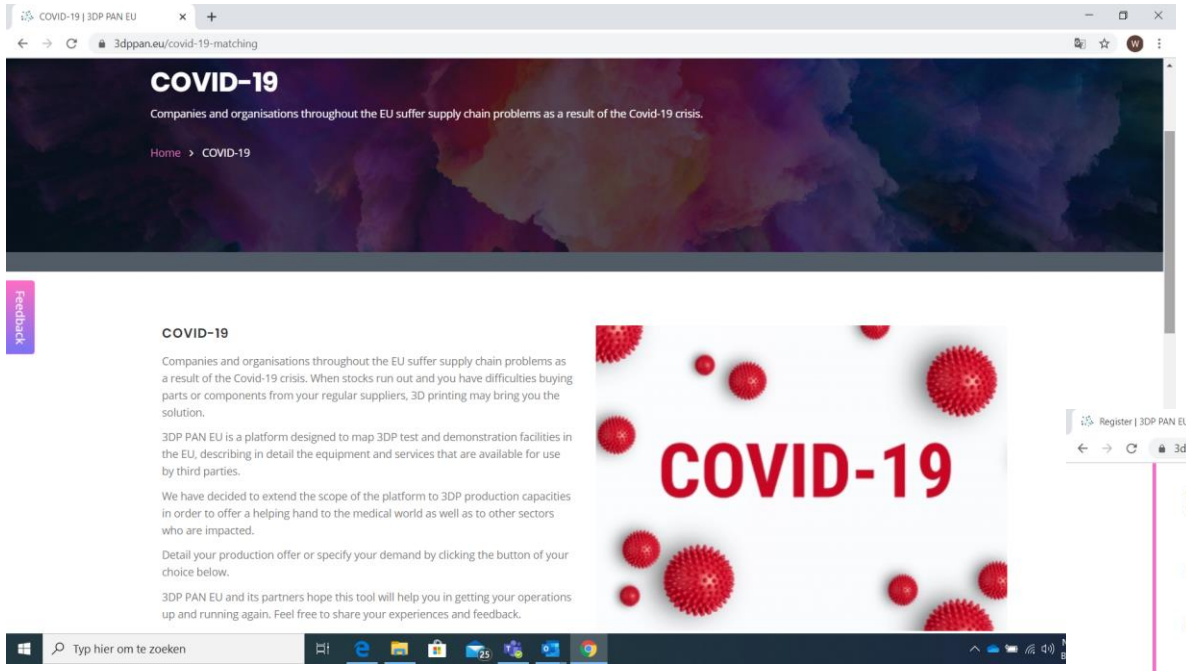
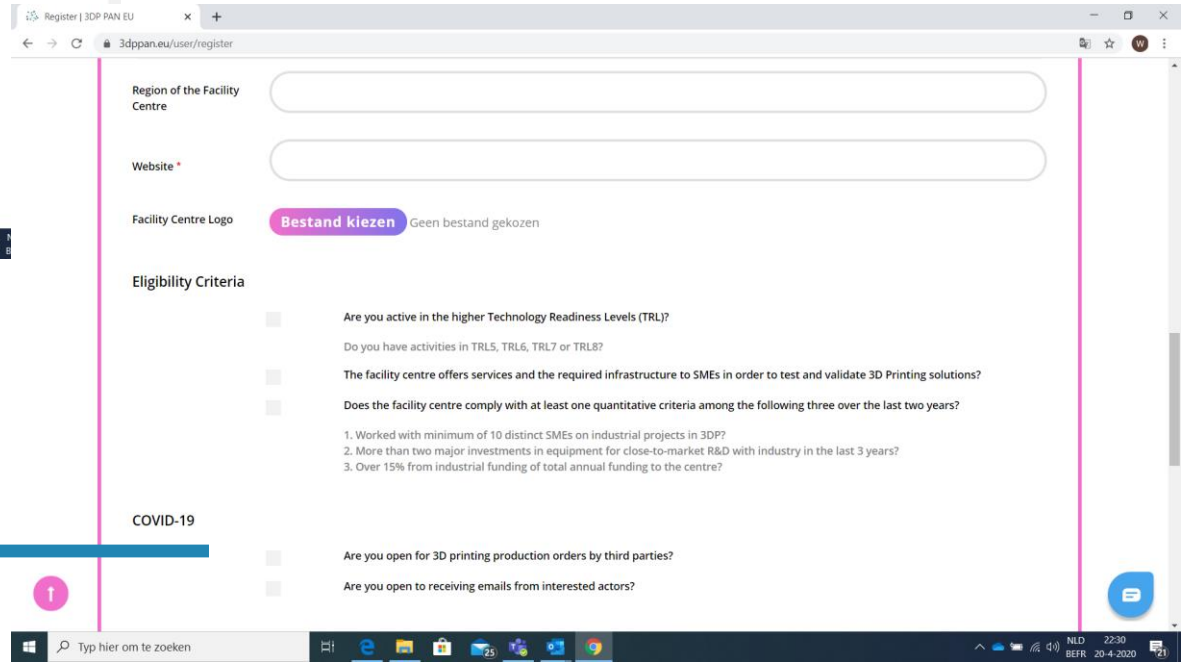
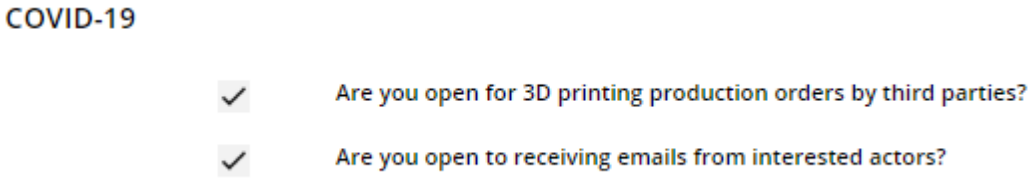
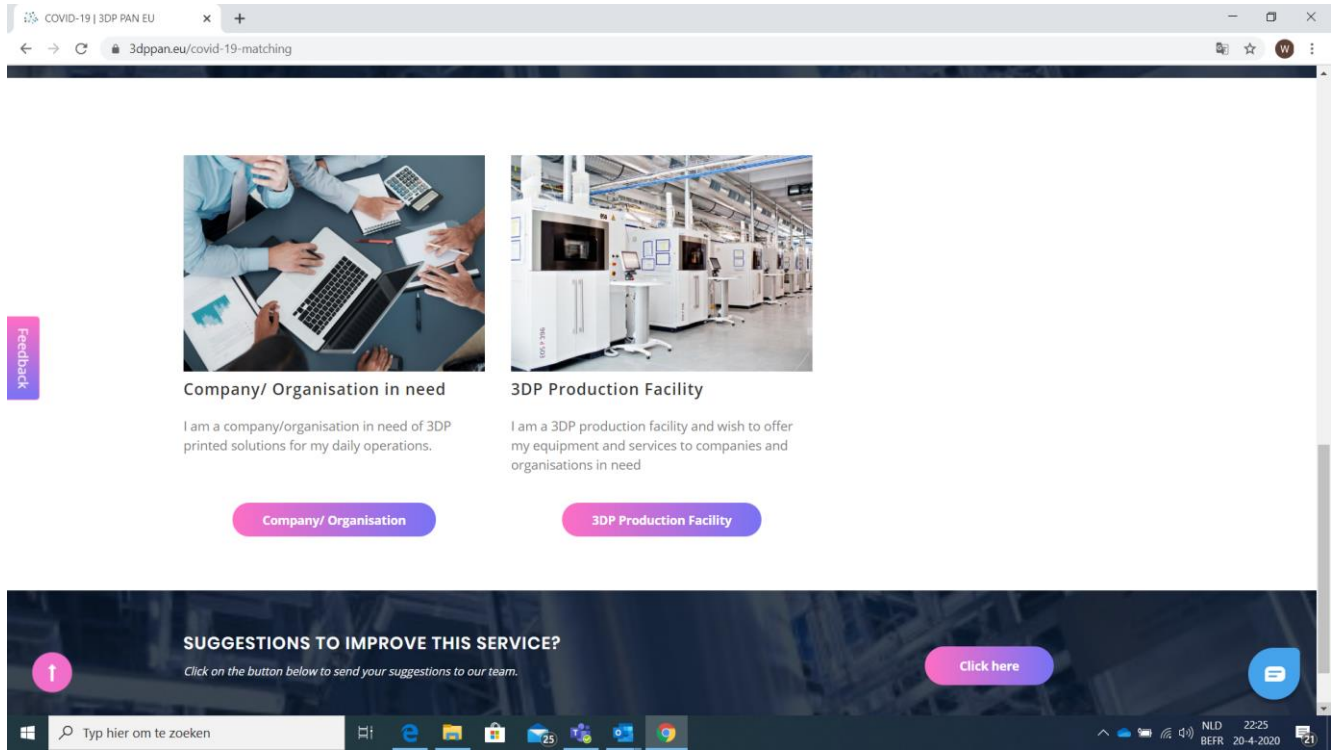
3DP PAN EU's Covid-19 Response Initiative

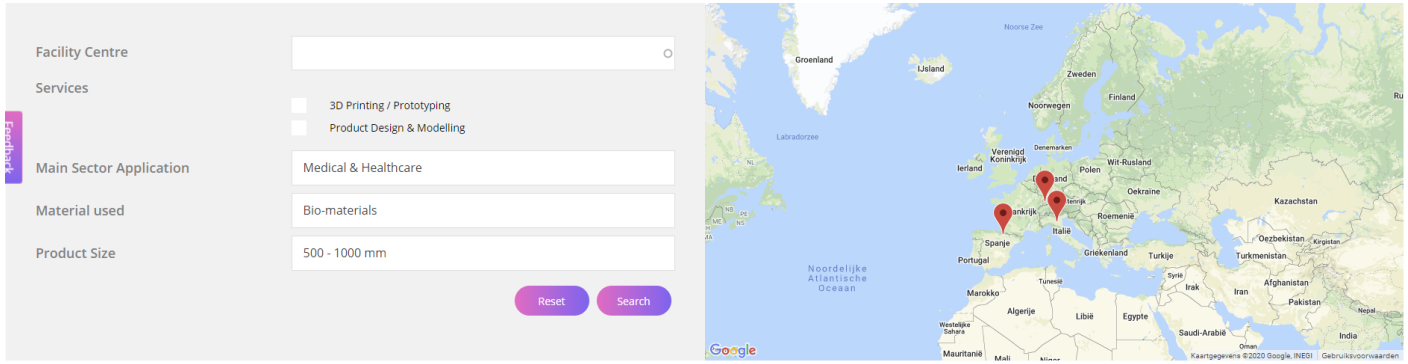






3DP PAN EU’s Covid-19 Response Initiative





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Questions ?

THANK YOU

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