

VANGUARD INITIATIVE

New growth through smart specialisation

3DP PAN EU

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

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Session “Resilience of EU innovation ecosystems”

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Context : the Vanguard Initiative ?!
a short intro.

**Regional
Cooperation**

**S3 Smart
Specialisation**

Industrial Innovation

■ **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.

**Political
Commitment**

Entrepreneurship

VI : a network of many regions (37 today)



political
commitment :
access to
regional funds;
EU's

trip
helix
involve
and
organiz
e

ct
focused
network
influ

content
driven

- 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.

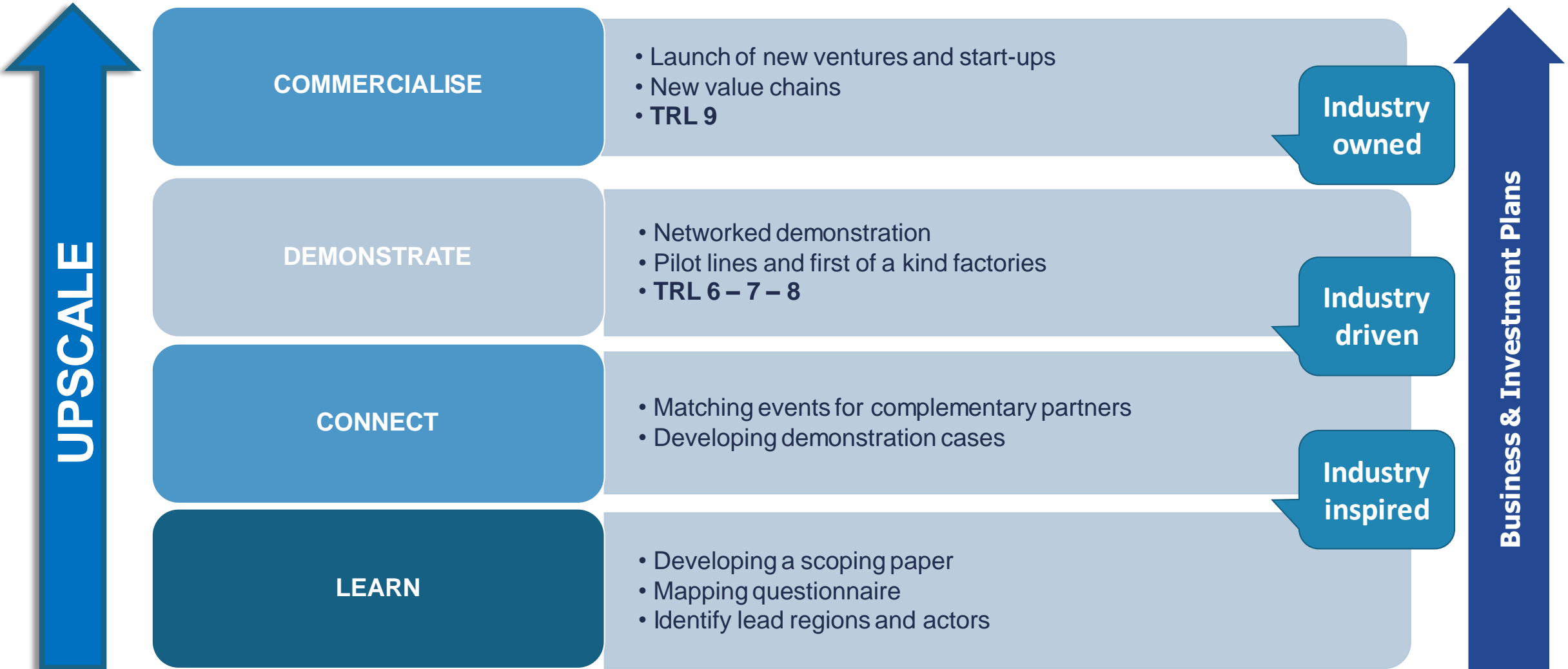
VI Pilot Projects

- **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



DYNAMIC
LANDSCAPE

- 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.



the Platform : www.3dppan.eu

The screenshot shows the homepage of the 3DP PAN EU Platform. At the top, there is a dark navigation bar with contact information (+31 40 751 24 24, info@3dppan.eu) and links for Login and Register a Facility Centre. Below this is the 3DP PAN EU logo and a secondary navigation menu with links for Home, About, Facility Centres, SME Matching Tools, COVID-19, and Call For SMEs. The main content area features a large image of a 3D printer with the text 'LIVE NOW THE 3DP PAN EU PLATFORM' overlaid. A 'Feedback' button is on the left. The text below the title reads: 'Generating industry-led projects to test and validate 3DP solutions. Welcome to the 3DP PAN EU matchmaking platform, where supply and demand of 3D Printing services is brought together. Find the right partners to take the next step in your 3D Printing projects by heading over to our Search tool!' There is a section for 'COVID-19' with the text: 'When stocks run out and you have difficulties buying parts or components from your regular suppliers, 3D printing may bring you the solution. Check out our COVID-19 initiative below.' Two prominent buttons are present: 'SEARCH OUR ONLINE DATABASE' and 'REGISTER YOUR FACILITY CENTRE'. A scroll indicator is at the bottom center, and a chat icon is in the bottom right corner.

+31 40 751 24 24 info@3dppan.eu Login Register a Facility Centre

3DP PAN EU Home About Facility Centres SME Matching Tools COVID-19 Call For SMEs

LIVE NOW

THE 3DP PAN EU PLATFORM

Generating industry-led projects to test and validate 3DP solutions.

Welcome to the 3DP PAN EU matchmaking platform, where supply and demand of 3D Printing services is brought together. Find the right partners to take the next step in your 3D Printing projects by heading over to our Search tool!

COVID-19

When stocks run out and you have difficulties buying parts or components from your regular suppliers, 3D printing may bring you the solution. Check out our COVID-19 initiative below.

SEARCH OUR ONLINE DATABASE REGISTER YOUR FACILITY CENTRE

Feedback

anisoprint

Chat icon

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](#)

Services [Add another service](#)

Main Sector of Application

Material used

Product Size [Search](#)

3DP PAN EU SME Matching Tool

Find the partner(s) you need by providing answers to any (i.e. one, two or all) of the questions below and (when ready) click on 'search', at any time! The more information provided, the more accurate is the match!

Applications Area And Challenges Characteristics Of The Part / Component Services You Are Looking For

Sector Type Challenge Material Size Shape Services Quality Technology Model Software Amount

— WHICH IS (ARE) THE MATERIAL(S) YOU WISH TO USE? —

Bio-materials Composites Hydrogels Natural Polymers Ferrous metals Food

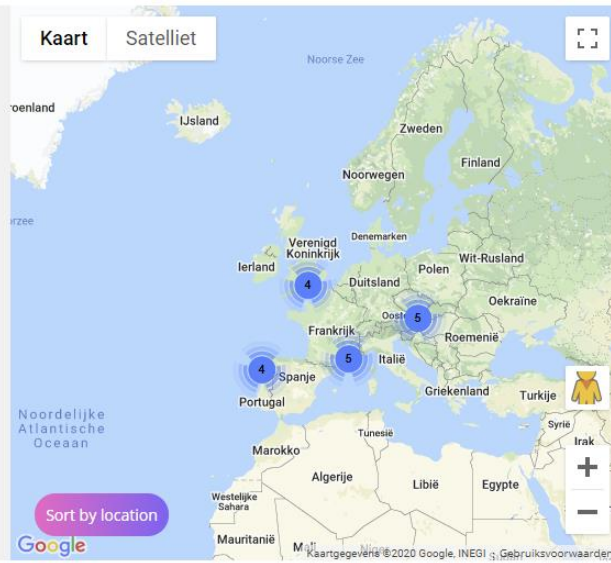
Industrial ceramics Non-ferrous metals Polymer Thermoset Polymer thermoplastic Precious metals Structural ceramics

Other





[Next](#) [Search](#) [Reset](#)

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 COUNTRY(E)(S)

<p>3D Medlab Private France Available filter: 300 - 500 mm, Ferrous metals</p> 	<p>3T Additive Manufacturing Ltd Private United Kingdom Available filter: 300 - 500 mm, Ferrous metals</p> 
<p>Any-Shape SA Private Belgium Available filter: 300 - 500 mm, Ferrous metals</p> 	<p>Oceanz 3D printing Private Netherlands Available filter: 300 - 500 mm, Ferrous metals</p> 

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 in figures



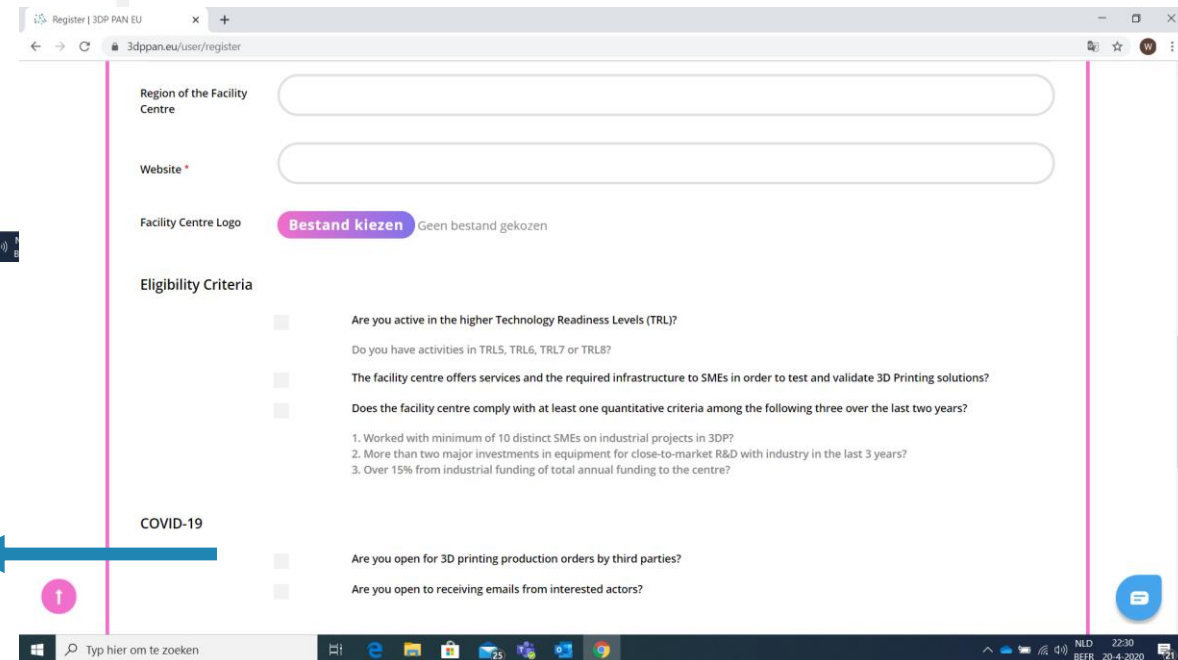
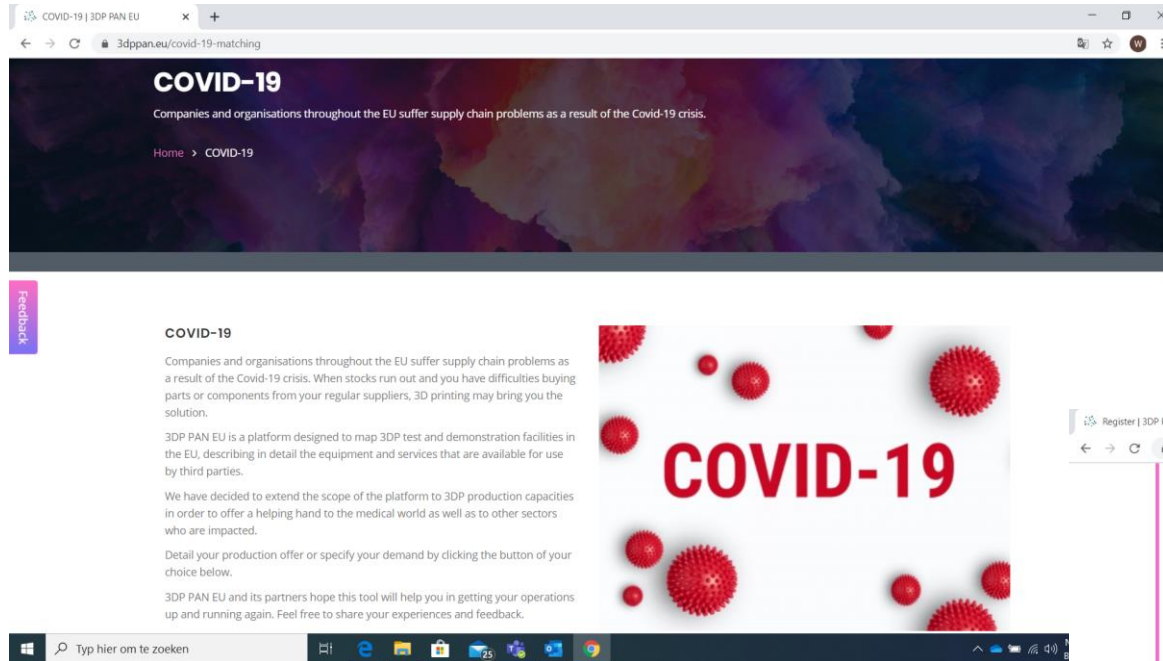
- currently registered to the platform
 - 377 Facility Centres
 - 716 pieces of equipment
 - 1.069 services
- average of 9.900 page views per month since the launch



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

3DP PAN EU's Covid-19 Response Initiative



COVID-19

- Are you open for 3D printing production orders by third parties?
- Are you open to receiving emails from interested actors?

3DP PAN EU's Covid-19 Response Initiative

The screenshot shows a web browser window with the URL `3dppan.eu/covid-19-matching`. The page features two main columns. The left column is titled "Company/ Organisation in need" and includes a "Feedback" button on the left. The right column is titled "3DP Production Facility" and includes a "3DP Production Facility" button. Below these columns is a section titled "SUGGESTIONS TO IMPROVE THIS SERVICE?" with a "Click here" button. The Windows taskbar is visible at the bottom, showing the search bar and system tray.

The screenshot shows a search and filter interface. On the left, there are several filter fields: "Facility Centre" (empty), "Services" (checkboxes for "3D Printing / Prototyping" and "Product Design & Modelling"), "Main Sector Application" (text input with "Medical & Healthcare"), "Material used" (text input with "Bio-materials"), and "Product Size" (text input with "500 - 1000 mm"). Below these fields are "Reset" and "Search" buttons. On the right, there is a map of Europe with several red location pins. The map is labeled with various countries and regions.

Questions ?

THANK YOU

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