

VANGUARD INITIATIVE

New growth through smart specialisation

Vanguard Initiative, Pilot Projects and the Green Deal

An introduction

Green Deal Call Information Webinar – 9 July 2020

Wim De Kinderen, South Netherlands – TG VPM Chair

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 Members

Members (36)

Aragon, Asturias, Auvergne-Rhône-Alpes, Baden-Württemberg, Basque Country, Cantabria, Catalonia, East Netherlands, East & West Slovenia, Emilia Romagna, Flanders, Galicia, Gävleborg, Lombardy, Lower Austria, Malopolska, Navarra, North Rhine-Westphalia, Norte, Pays de la Loire, Piemonte, Randstad, Region Dalarna, Region Skåne, Region Värmland, Region Örebro County, Saxony, Saxony Anhalt, Scotland, South Netherlands, South Tyrol, Tampere, Trento, Upper Austria, Wales, Wallonia

Observers (2)

East and North Finland,
Friuli Venezia Giulia

Associate Members (6)

AFIL, Lombardy Green Cluster,
Brainport Development, Skåne
European office, SPRI, Scottish
Entreprise

VI : a network of many regions



Political
commitment :
access to
regional funds;
VI's USP

Triple helix
involved and
organized

Action focused
network,
influence by
results

Content driven

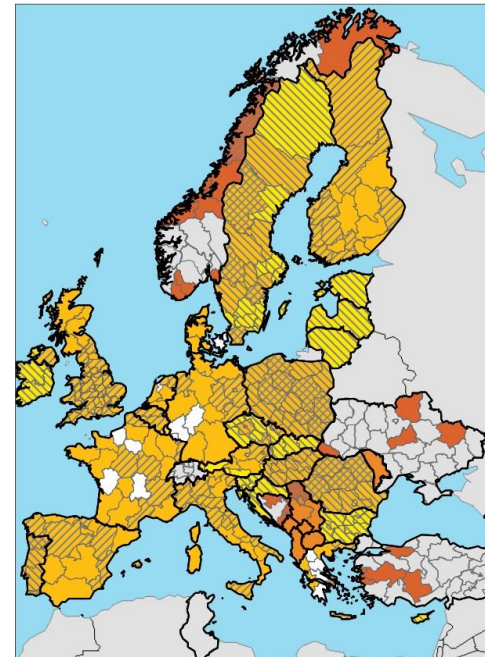
- region
- industry based S3
- ambition
- political commitment (Milan Declaration)
- mobilizing and organizing stakeholders in the region
- active participation in the network structure
- active participation in core activities

VI inspires

happy with the EU copy paste



- 3 Thematic S3 Platforms (Industry Modernisation, Agrofood, Energy)
- 30+ S3 Partnerships
 - high tech, low tech, non tech
- +180 EU regions involved
- support by DGs REGIO, JRC, GROW, RTD, Connect, Agri, ENER, MARE,...



VI works for the collective interests



The Vanguard Initiative¹ welcomes the MFF package as an ambitious renewed agenda for EU industrial and innovation policies
Position paper

The Vanguard Initiative welcomes the MFF package as an ambitious renewed agenda for smart specialisation principles. It offers clear and concrete modalities for sources of funding for supporting value chains, on the basis of smart



**Supporting Key EC Proposals for New Instruments
Offering Real Possibilities of EU Funds Synergies**

On 29 May 2018, the European Commission announced the new provisions for the European territorial cooperation provisions for the European territorial cooperation a **new INTERREG Component 5 on Innovation** worth €1 billion, representing 11,5% of the total interregional innovation investments that would take on board the work already in



Working Document

**Interregional Innovation Investments
European Territorial Cooperation – Component 5**

this is a good proposal to contribute substantially to the strengthening of the competitiveness of the EU and all of its regions



Dear Members of the SME Intergroup,

The SME Intergroup cordially invites you to a breakfast discussion hosted by



on the topic of

**Supporting interregional S3 cooperation
along industrial value chains**

How component 5 in Interreg strengthens interregional cooperation

Tuesday, 6 November 2018
08:00 – 09:00 am, MEP Salon
European Parliament, Brussels

VANGUARD INITIATIVE

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 Pilot Projects and Democases



3D-printing

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

ADMA for Energy-Related Applications in Harsh Environments

Corrosion on Offshore and Subsea Infrastructure

Sensing and Remote Monitoring Technologies

Efficient and Sustainable Manufacturing

De- and Remanufacturing

Functional materials for polymer based products

Digital Transformation

Energy-flexible and resource-efficient factory operation - EFREFO

Bioeconomy

Lignocellulose biorefinery

Bio-aromatics

Liquified BioMethane

New Nano-enabled Products

Nanowires for ICT and energy applications

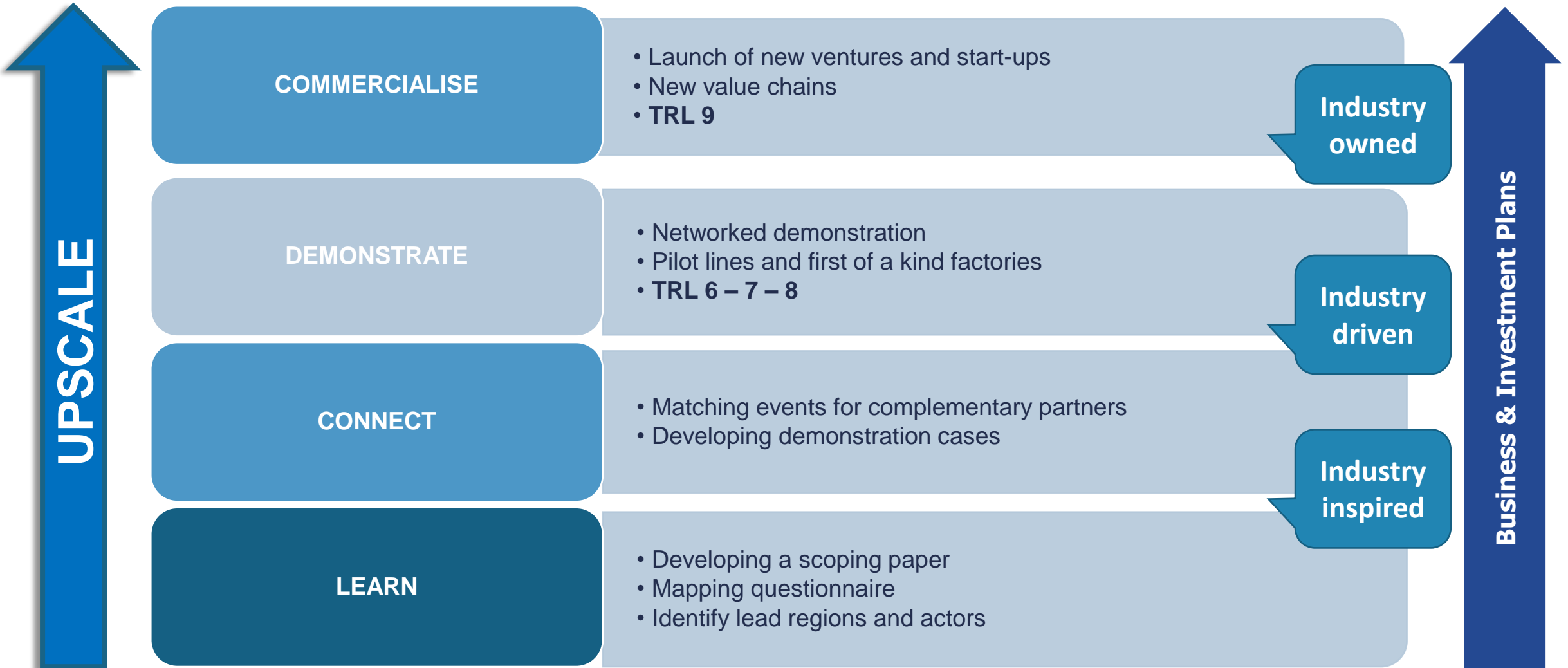
Nano enabled Micro System for Bio Analysis (NeMs4Bio)

Nano Enabled Printed Electronics

VI democases

- **VI democases common objectives**
 - establish (shared) facilities for demonstration of new technologies
 - facilitate access to (shared) facilities
 - lower technology uncertainty, risks and costs
 - stimulate industrial replication and upscale (hence market uptake)
- **each democase =**
 - combination of complementary demonstration facilities
 - group(s) of companies accessing infrastructure (TRL 6-8)
 - Industrial replication and upscale (if the above is successful) (TRL 8-9)
- **3 types of democases**
 - challenge driven or technology driven
 - connecting existing infrastructure
 - building brand new infrastructure
 - connect and upgrade existing infrastructure (hybrid format)

VI Methodology



LEARN

CONNECT

DEMONSTRATE

COMMERCIALISE



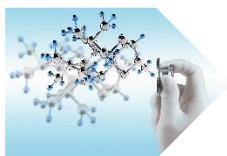
3D-printing



Bio-economy



ADMA-Energy



Nano-technology



Efficient and sustainable manufacturing

UPSCALE



VANGUARD INITIATIVE
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**VI Pilot Projects' funding and investment needs
will the new MFF instruments respond to them?**

**(we are connected to EU's strategic orientations,
including the Green Deal)**

(and we are ready to contribute)

Questions ?

A 3D printer is shown in the process of printing a black, perforated, bowl-like object. The printer's nozzle is positioned over the object, which has a grid of circular holes. The background is a blurred industrial setting.

THANK YOU

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