

Instruments supporting New growth through smart specialisation Collaboration in Manufacturing

a perspective by the Vanguard Initiative

Innovation & Manufacturing Brokerage Event – Santiago de Compostela 6/11/19 Wim De Kinderen, South Netherlands – TG VPM Chair

Vanguard Initiative ?! a short intro.

Regional Cooperation

S3 Smart Specialisation

Industrial Innovation

two presumptions :

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

Political Commitment

Entrepreneurship

VI Members

Members (35)

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)

Aragon and PACA Sud

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

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

Triple helix involved and organized

Action focused network, influence by results

Content driven



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

ADMA for Energy-Related Applications in Harsh Environments

Efficient and Sustainable Manufacturing

Bioeconomy

New Nanoenabled Products Photonics

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

Corrosion on Offshore and Subsea Infrastructure

Sensing and
Remote
Monitoring
Technologies

De- and Remanufacturing

Functional materials for polymer based products

Digital Transformation

Energy-flexible and resourceefficient factory operation -FERFFO Lignocellulose biorefinery

Bio-aromatics

Liquified BioMethane 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)

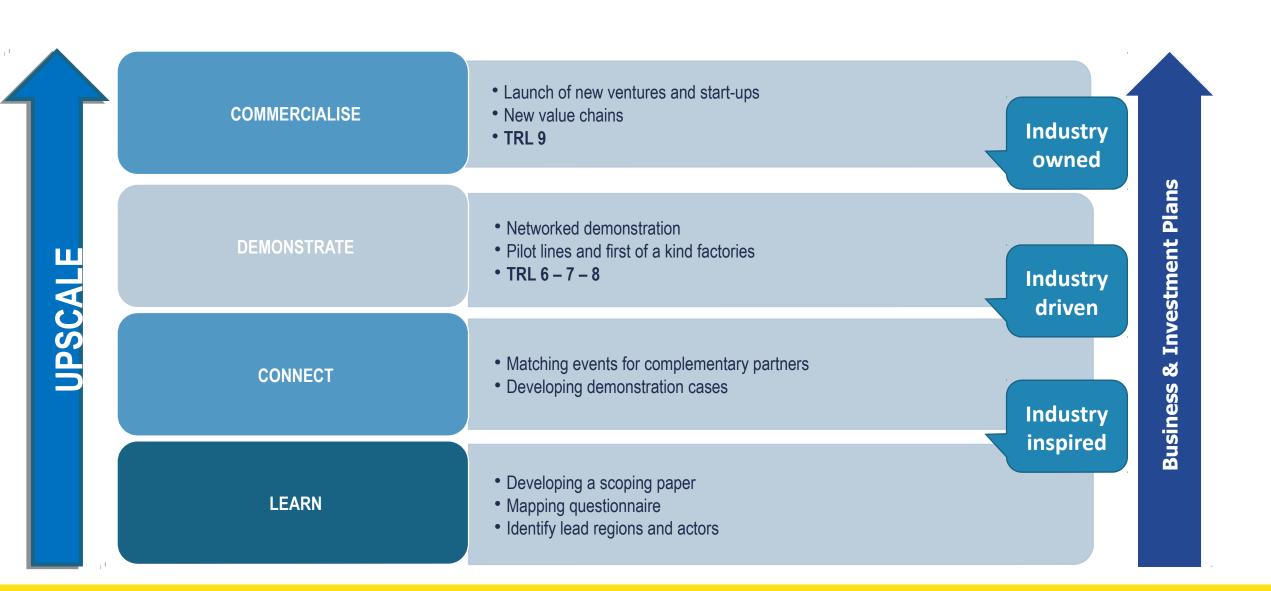
each democase =

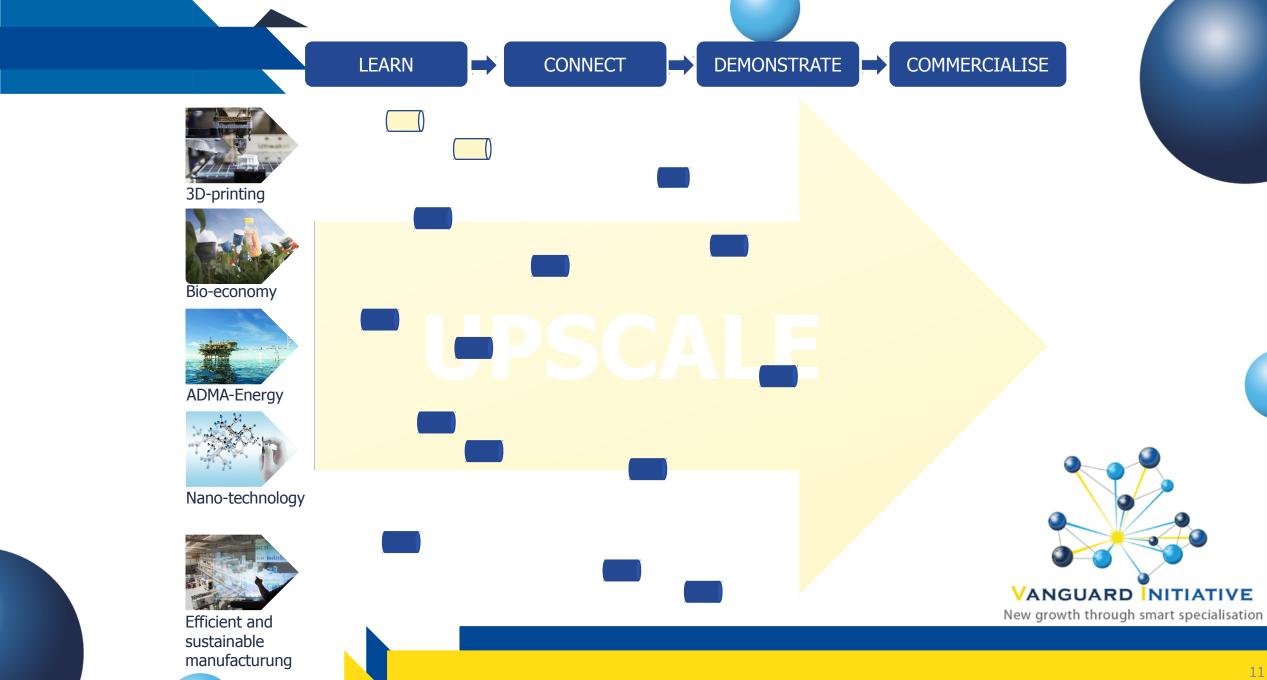
- combination of complementary demonstration facilities
- group(s) of companies accessing infrastructure (TRL 6-8)
- Industrial replication and upscale (if the above is successful) (TRL 8-9)

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





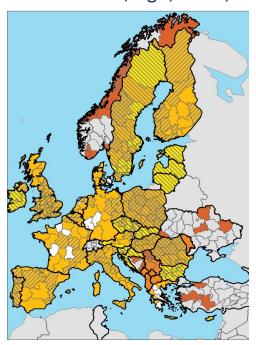
VI Pilot Projects' funding and investment needs will the new MFF instruments respond to them?

(and why should they?)
(and we are ready to help)

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 lobbies for the collective work





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

Int to smart specialisation principles. at clear and concrete modalities are sources of funding for supporting lue 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 Com Cohesion Policy programming period. provisions for the European territorial of a new INTERREG Component 5 on I (1 billion, representing 11,5% of the I interregional innovation investments the innovation projects having the potential would take on board the work already in



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



Working Document

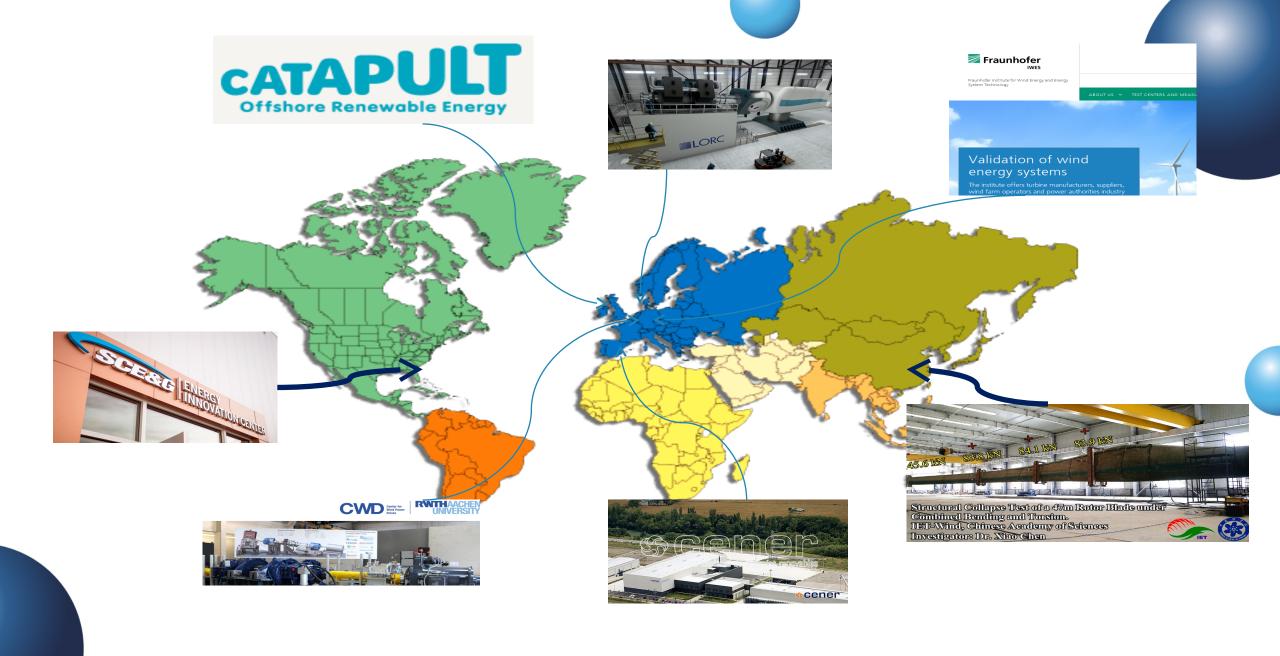
Interregional Innovation Investments European Territorial Cooperation – Component 5

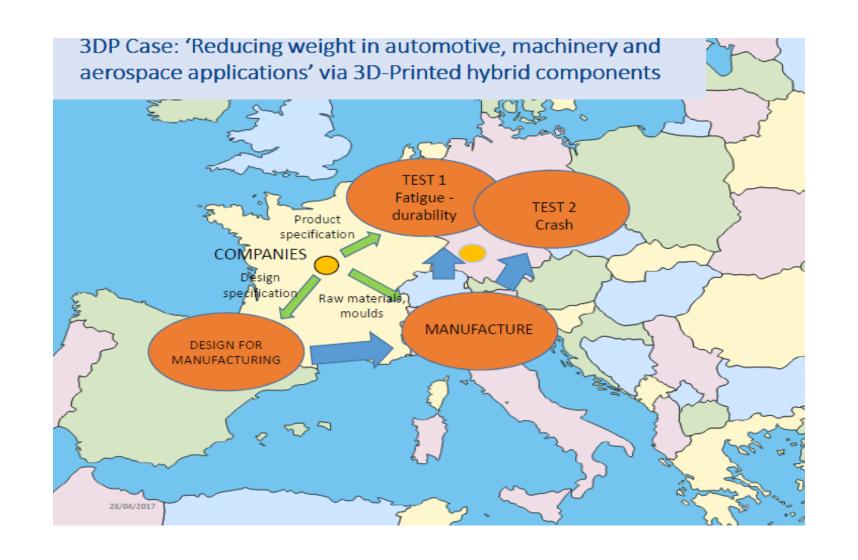
this is a good proposal to contribute substantially to the strengthening of the competitiveness of the EU and all of its regions

about?

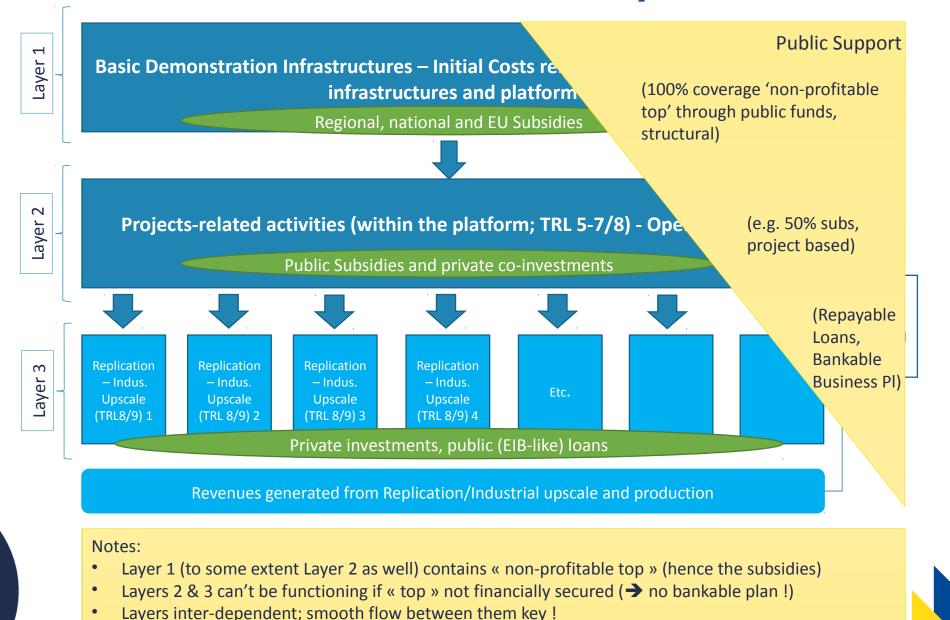
opean region is strong in one or more particular areas, but hardly any of them is strong itself to face and lead worldwide competition. Collaboration across regions is therefore Aoreover the needed exercise in this context is to bring innovation faster to the market, uires public investments that form the basis of later follow-up public-private and private its and initiatives. When working together across borders, these investments can be better

VANGUARD INITIATIVE





General Financial Structure – three layers



advocating a strong
budget and a
continuous structural
support system for a
pipeline of investments
no more "lucky one shots"

EU MFF

- DIH potential opening to layer 1 costs
- will Pilot Lines and Open Testbeds follow?
- Technology (and Innovation?) Infrastructures
 - "distributed ESFRI for Innovation"
- Innovation Ecosystems
- Interregional Innovation Investments
- InvestEU
- aligned calls / collaboration with Partnerships

Vanguard Initiative regions ready to contribute

- principle agreement for a centrally managed
 Joint Demonstration Fund
- VI is a mature, organised partner for collaboration

Questions?

