

**VANGUARD INITIATIVE**

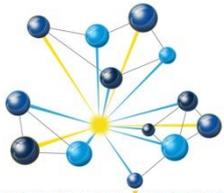
New growth through smart specialisation

S3 Platform on Industry Modernisation and  
Investment – Info Day 11 May 16  
The Vanguard Initiative Experience

Wim De Kinderen  
Brainport Eindhoven/South Netherlands

## Rationale – starting point

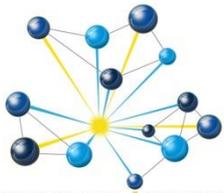
- ❖ **November 2013, start of a political engagement** of regions for **interregional cooperation in European strategic priority areas** on the basis of smart specialization, exchange of good practices and alignment of roadmaps to **achieve complementarities**.
- ❖ **Focus** on an **investment boost in demonstrators and pilots** for deploying European lead-markets (such as KETs, bio-construction, clean vehicles, smart grids,...), supported by instruments at all policy levels.
- ❖ **Upgrading** regional clusters into **world-class clusters** through cross-border cooperation and networking in international value chains.



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# VI – network of 11 regions

- ❖ North Rhine Westphalia
- ❖ Basque Country
- ❖ **Flanders**
- ❖ Lombardy
- ❖ Malopolska
- ❖ Rhône Alpes
- ❖ Scotland
- ❖ Skane
- ❖ South East Netherlands
- ❖ Tampere Region
- ❖ Wallonia

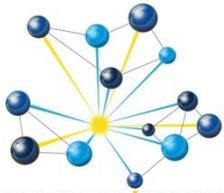


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## VI – network of 30 regions



- ❖ Asturias
- ❖ Auvergne-Rhône Alpes
- ❖ Baden-Württemberg
- ❖ Basque Country
- ❖ Catalonia
- ❖ Dalarna
- ❖ East Netherlands
- ❖ Emilia-Romagna
- ❖ Flanders
- ❖ Galicia
- ❖ Hauts-de-France
- ❖ Île-de-France
- ❖ Lombardy
- ❖ Malopolska
- ❖ Navarra
- ❖ Norte
- ❖ North Rhine Westphalia
- ❖ Ostrobothnia
- ❖ Pays de la Loire
- ❖ Randstad Region
- ❖ Saxony
- ❖ Scotland
- ❖ Skane
- ❖ South Denmark
- ❖ South Netherlands
- ❖ Tampere Region
- ❖ Upper Austria
- ❖ Wales
- ❖ Wallonia



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## VI – network of many regions



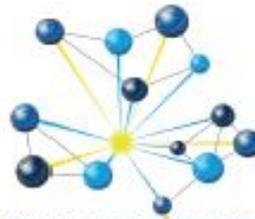
- ❖ region
- ❖ industry based S3
- ❖ ambition
- ❖ political commitment (Milan Declaration)
- ❖ mobilizing and organizing industrial stakeholders in the region
- ❖ active participation in the network structure
- ❖ active participation in core activities

## VI – Pilot Projects

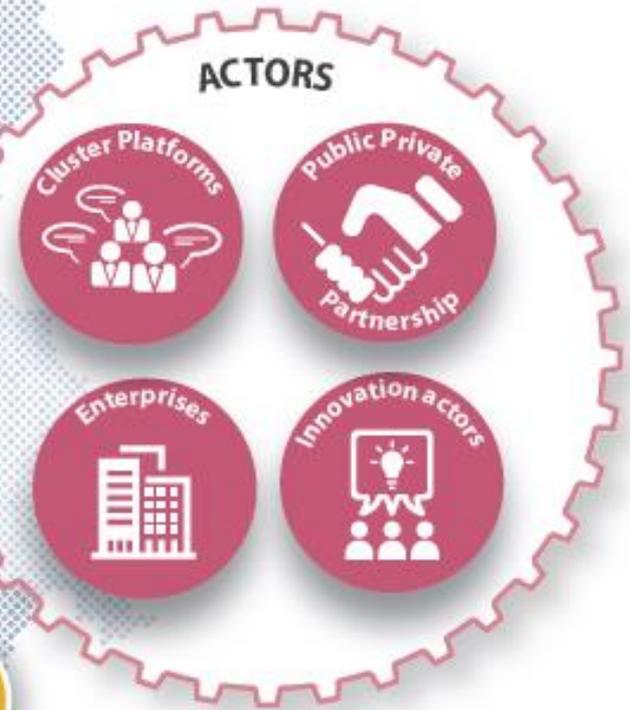
- ❖ **Action oriented / lead-by-example** / Pilot new EC mechanisms (focus at the start: SSP Advanced Manufacturing)
- ❖ **3 ADMA Pilot Projects** / launched in Summer 2014 / +/- 40 regions participating
  - AM related Energy Applications in Harsh Environments (Scotland & Basque Country)
  - High Performance Production through 3D Printing (Flanders & South Netherlands & Norte)
  - Efficient and Sustainable Manufacturing (Lombardy & Catalonia)
- ❖ **2 new Pilot Projects launched in June 2015**
  - New Nano-enabled Products (Skane & Tampere)
  - Bio Economy (Randstad Region & Lombardy)
- ❖ **Accelerate** market development
  - cooperation projects between companies and knowledge institutes
  - European Network of Demonstrators
  - 4 validation criteria for DemoCases :
    - Demonstration !!! No research projects !!! = high 'technology readiness level' (>TRL5)
    - Added value of joint-demonstration:
      - no critical mass at regional level
      - access larger community of lead users
      - increase coverage and accelerate market uptake
    - Industrial relevance and Business involvement !!! (including commitment of industry to lead/participate)
    - European dimension (geographical coverage & impact)

## VI – Internal Structure

- ❖ **2 High Level Meetings per year** / Annual Political Meeting & Policy Directors Meeting
- ❖ **multi layered (Brussels based) activities**
  - Coordination Group
  - VI Network Meeting (members meeting)
  - 5 Task Groups : 1) Vanguard Pilot Monitoring; 2) Policy Influencing; 3) Financial Instruments; 4) Communication; 5) Future of VI
- ❖ **Pilot Projects**
  - Co-lead regions
  - Steering Group
  - DemoCase Leaders
- ❖ **organized structure in home region**
  - triple helix partners
  - innovation intermediaries
- ❖ **set-up of a legal entity (asbl)**



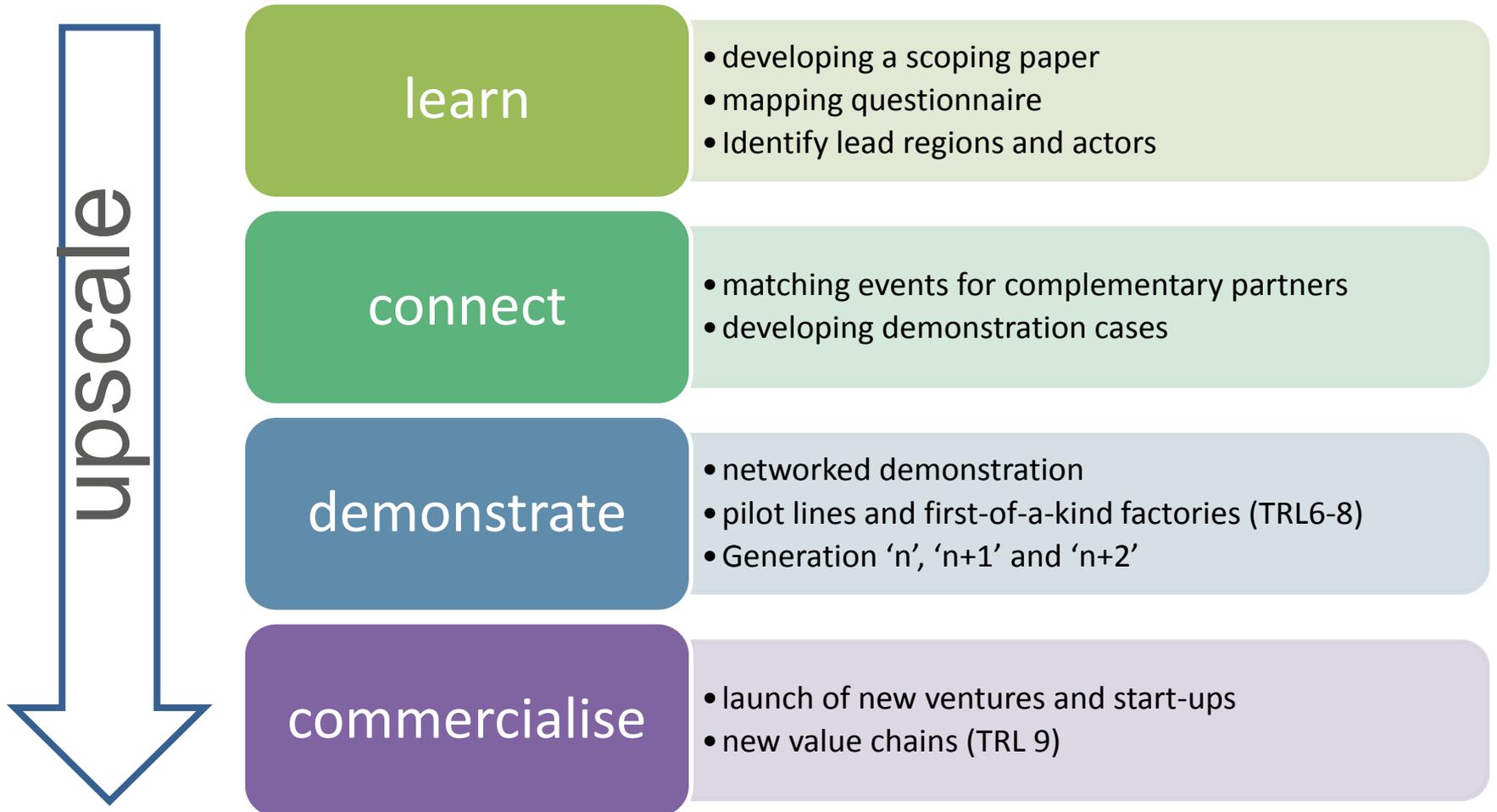
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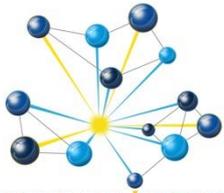




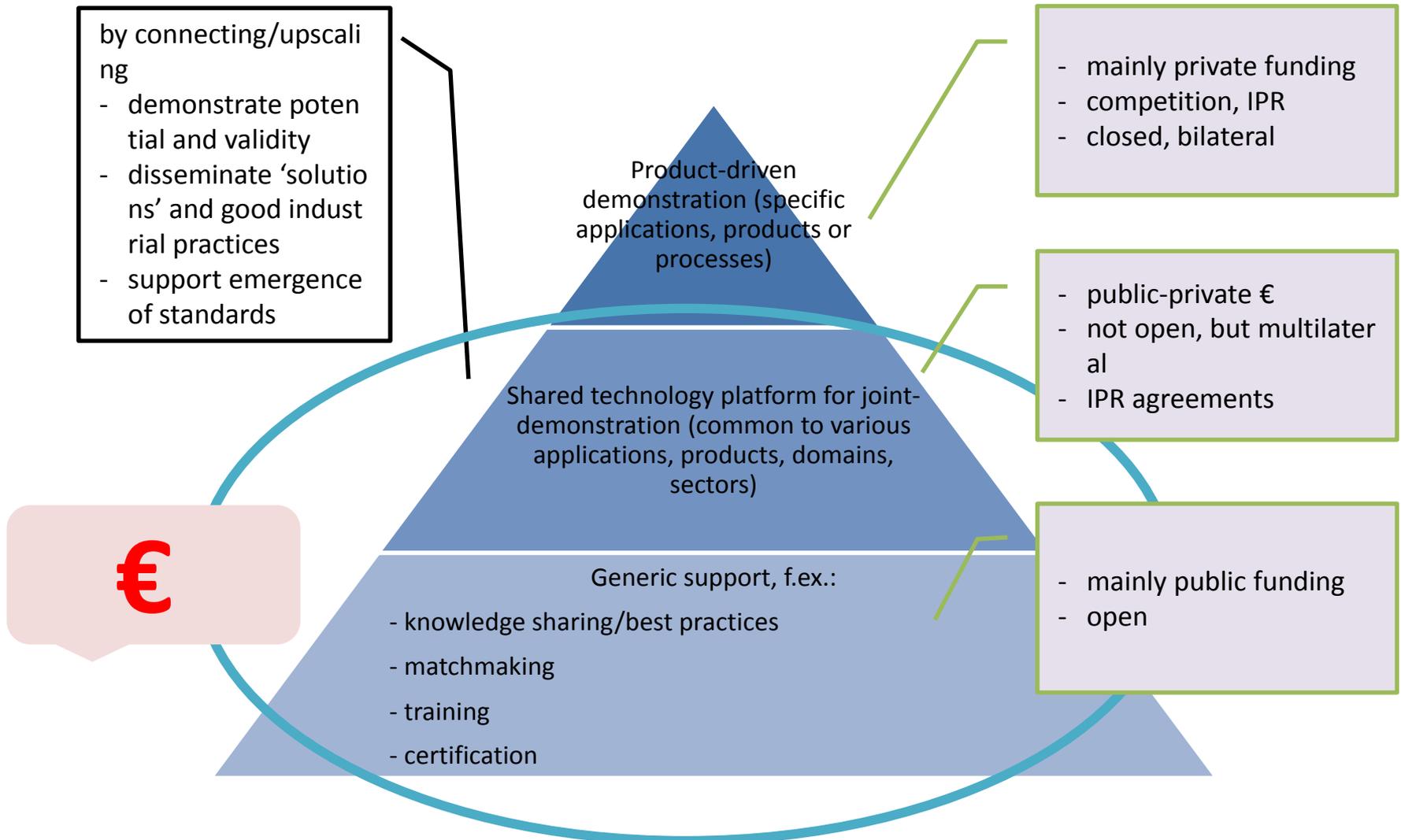
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## VI – Methodology (4 step approach)

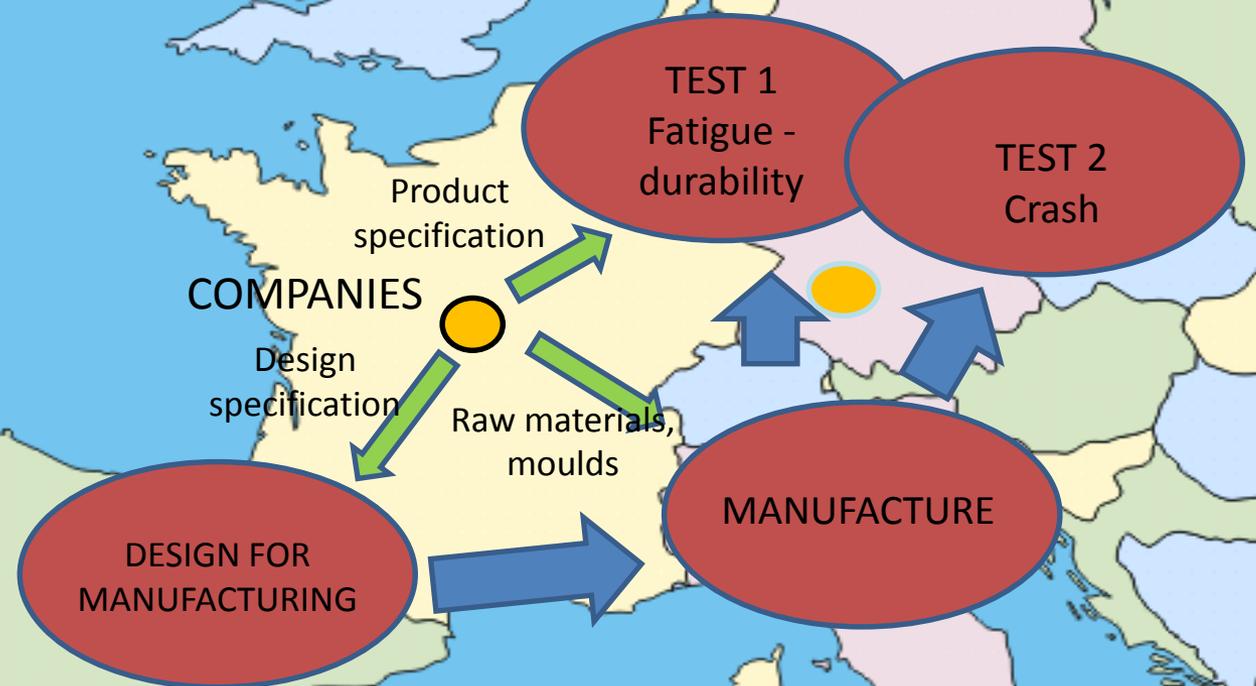


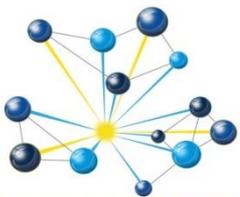


# VI – Cases Joint Demonstration



# Demo-line 1 'Reducing weight in automotive, machinery and aerospace applications' via 3D-Printed hybrid components





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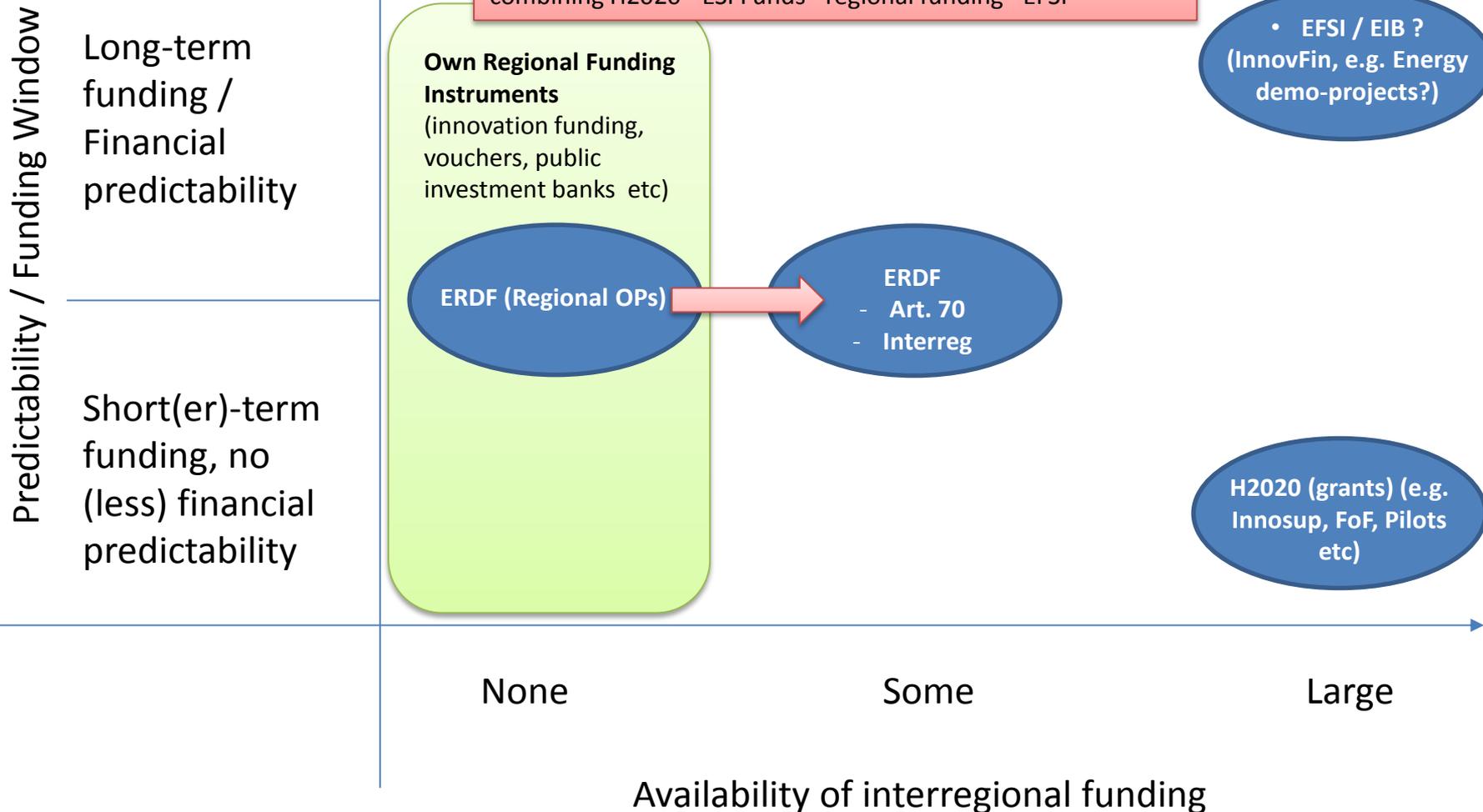
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# Combining funding opportunities for joint-demonstration

**Key issue:** how to fill the investment gap for the demonstration phases (Valley of death) without eroding/crowding out.

**Aim:** less grant dependence through financial engineering & combining H2020 - ESI Funds - regional funding - EFSI



# VI & Thematic SSPs

## ❖ **Welcome!** / major achievement

- VI testing of SSP ADMA
- mainstreaming of 4-step methodology
- realization of core objective in Milan Declaration : structural dialogue with EU institutions

## ❖ **« Structural Dialogue »**

- many project/activity based ad hoc contacts in the past and future (DGs REGIO, GROW, CONNECT, R&I, JRC-IPTS,...); large support from the start (f.ex. VI MatchMaking Event February 2016)
- structural dialogue to improve existing framework of support mechanisms and co-design new framework
  - finances (co-investment, public-private)
  - legal framework for joint demonstration projects
  - IPR framework
  - etc

## ❖ **VI will continue to develop activities**

- VI is an open initiative
- finding new partners with added value
- participation in respect of VI conditions
  - good start but a lot of additional efforts to be done to cover and accommodate need within and beyond VI (Innosup-1, Re-Confirm)
  - “lengthy and sticky process” → Shared Funding Model, ie financial contribution by all participating regions

# Questions – Contact



register at [www.wire2016.eu](http://www.wire2016.eu)

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