

VANGUARD INITIATIVE

New growth through smart specialisation

Asturias

Baden - Württemberg

Basque Country

Catalonia

Cantabria

Dalarna

East - Netherlands

Emilia - Romagna

Flanders

Galicia

Ile - de - France

Lombardy

Malopolska

Navarra

Nord - Pas de Calais

Norte

North Rhine - Westphalia

Pays de la Loire

Ostrobothnia

Randstad Region

Rhône - Alpes

Saxony

Scotland

Skåne

South - Denmark

South - Netherlands

Tampere Region

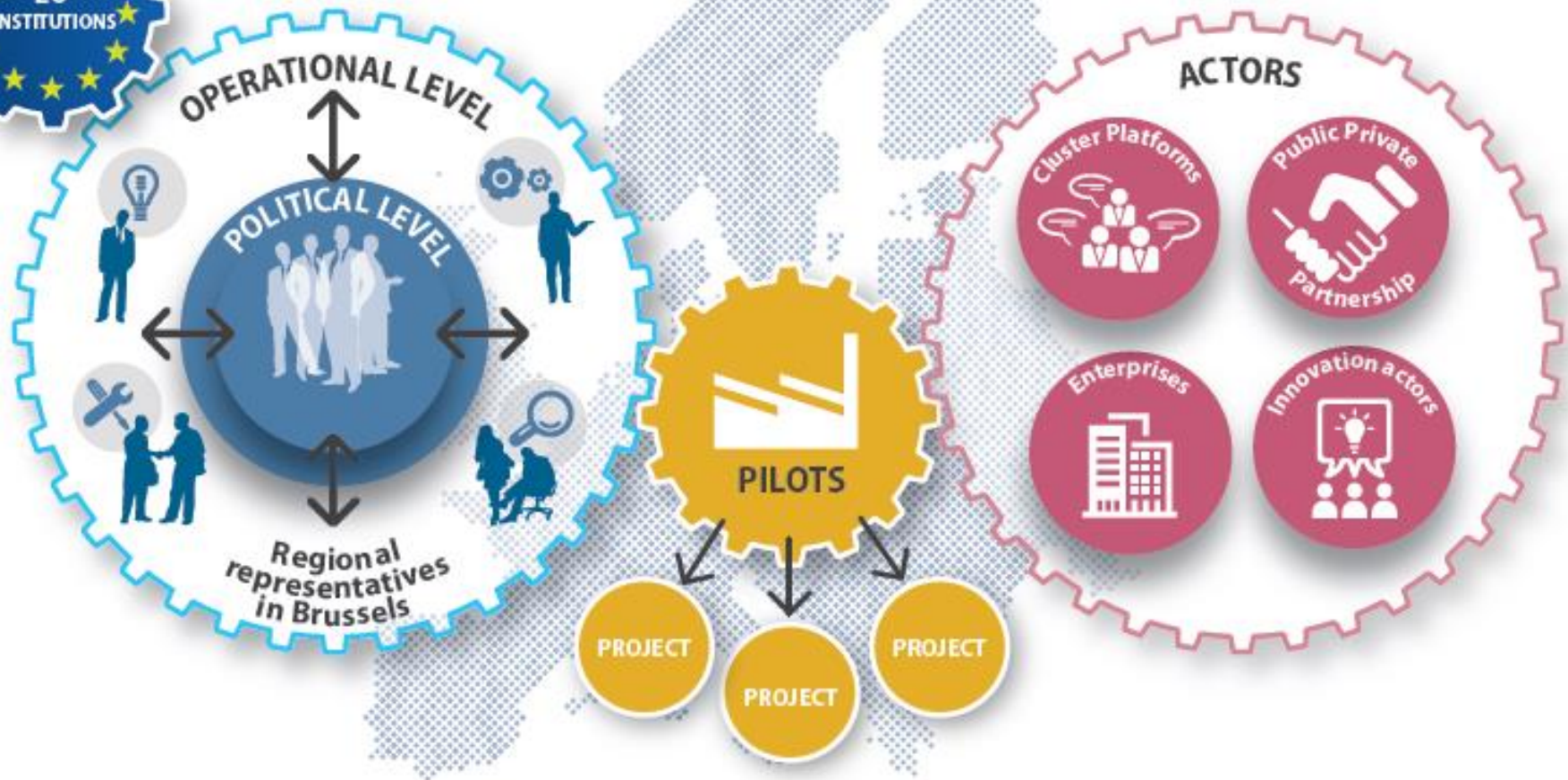
Upper - Austria

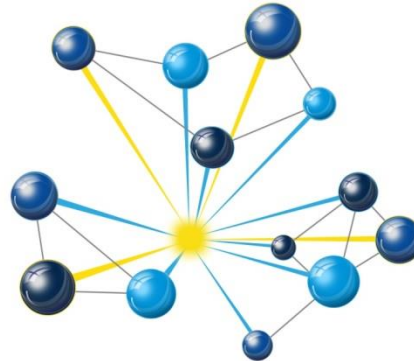
Wales

Wallonia



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VI Pilot projects as an example of smart specialisation platforms

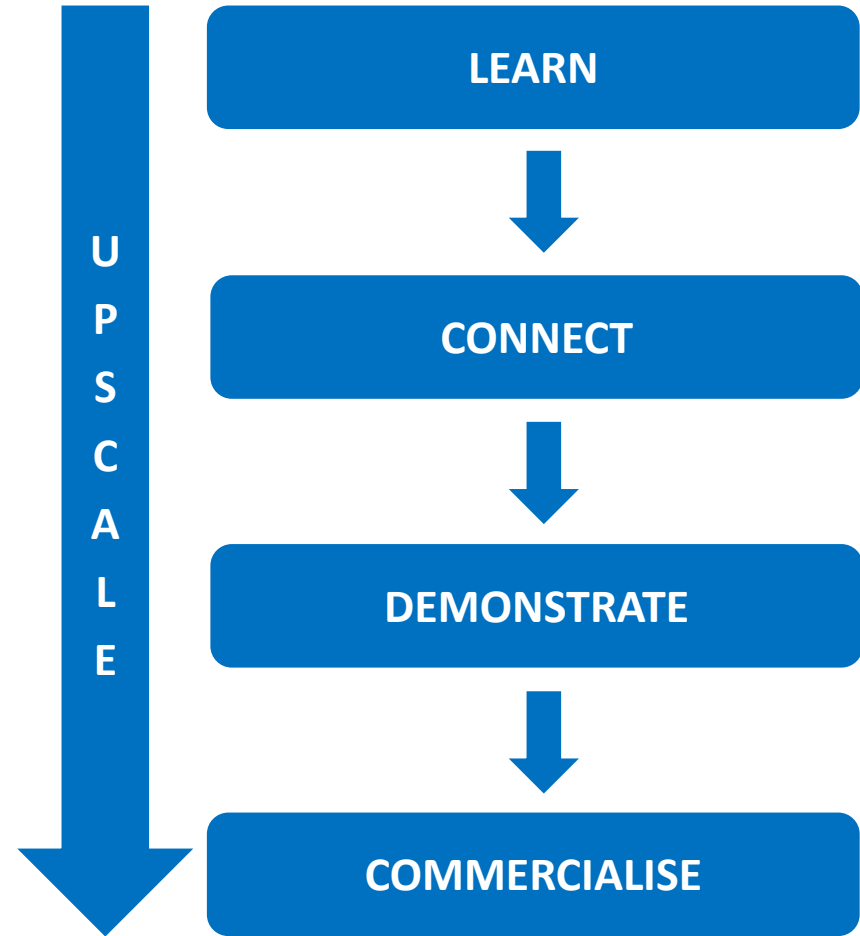
VI Methodology for interregional cooperation

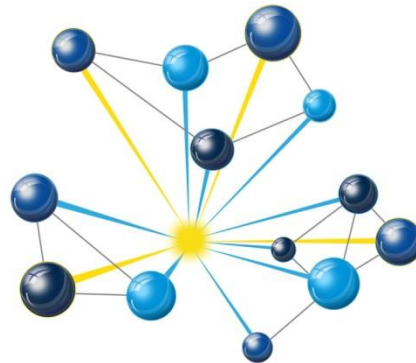
1st generation pilots started in 2014

- Advanced manufacturing for Energy Related Applications in Harsh Environments
- High-performance production through 3D-printing
- Efficient and Sustainable Manufacturing

2nd generation pilots started in 2015

- Bioeconomy
- Nanotechnology





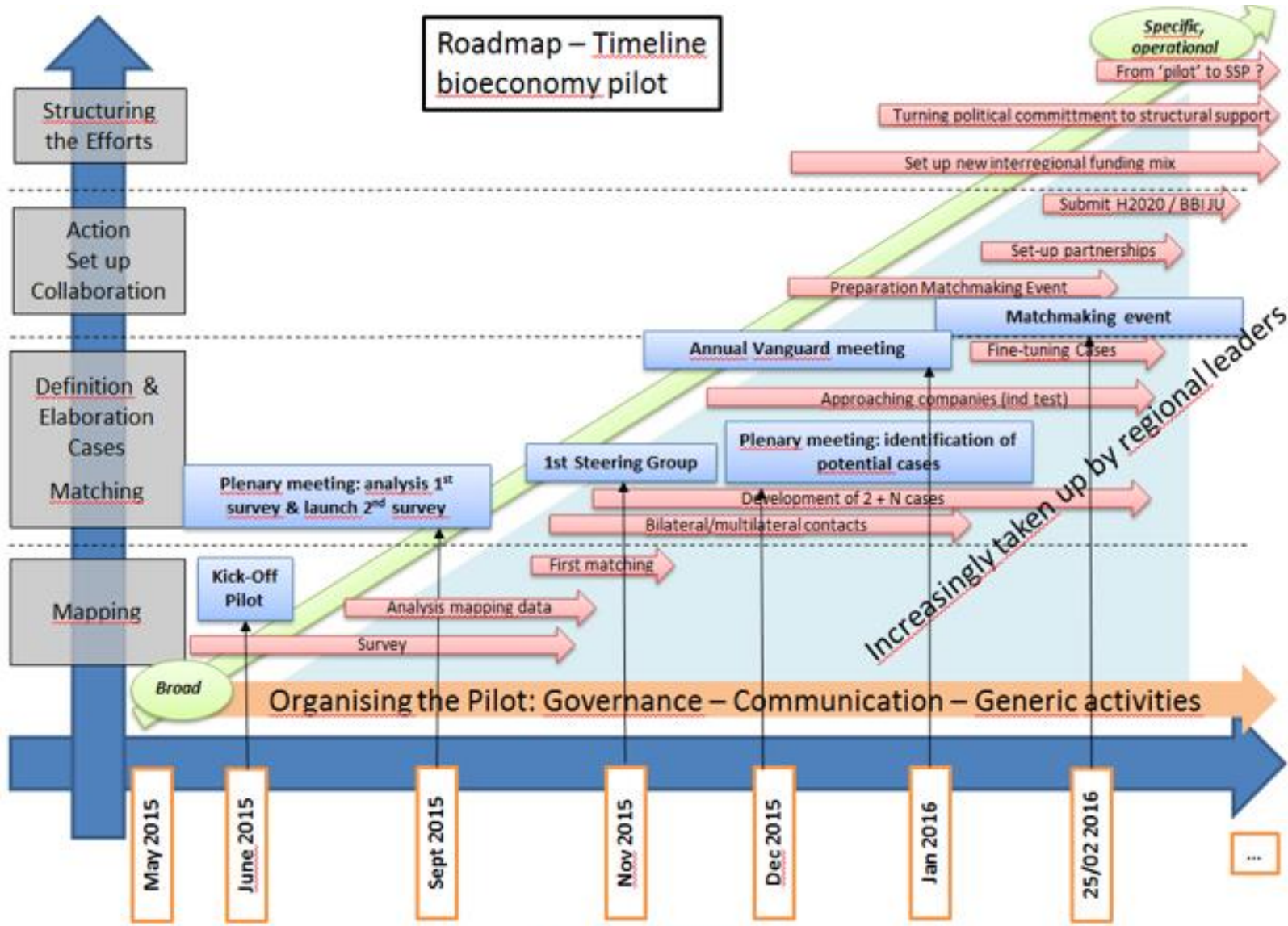
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Bioeconomy – Interregional cooperation on innovative use of non - food Biomass

- **Leading regions:** Randstad Region (NL) and Lombardy (IT).
- 24 regions participating/interested
- The Pilot concerns the implementation of synergies in new biobased value chains across regions based on their smart specializations.
- Guidance in the process by Idea Consult

- **Vision:** For a strong competitive European Bioeconomy, new integral Biobased value chains and new connections between manufacturing sectors (e.g. chemistry, cosmetics, wood & paper), agro and energy should be developed leading to new business opportunities through interregional cooperation, exchange of information and ideas.

Roadmap – Timeline bioeconomy pilot



Bold: plenary network meeting

Bioeconomy Pilot project– Learning

- May 2015: Launch of the pilot with a first smart specialisation survey
- September 2015: second survey for finetuning

In Flanders:

- Cinbios-partnership between 3 cluster organizations related to bioeconomy were consulted.
- Strong commitment by the Flemish strategic research center VITO and Ghent Bioeconomy Valley
- Connection was made with Big-C partnership

Bioeconomy Pilot project– Connecting smart specialisations

- December 2015: 8 concrete democases were selected with sufficient interest from different regions:
 1. Bio-aromatics: Flanders- VITO (lead)
 2. Chemicals from first generation sugars and lignocellulose: Randstad - Biobased Delta (lead)
 3. Waste gas fermentation: Flanders- GBEV (lead)
 4. Bioplastics for food packaging - on hold

Bioeconomy Pilot project – Connecting

5. Aviation fuels: Varmland (lead)
6. Biogas: Lombardy (lead)
7. Food applications from algae – on hold
8. Food and feed applications from agrofood waste: Schotland (lead)

Bioeconomy Pilot project – Connecting

February 2016: Matchmaking Event for all Vanguard Pilot projects
Strong support from the EC!

Conclusions:

- A little bit early for the bioeconomy pilot
- But more connections made than expected beforehand!
- Interesting side-effects and cooperations were established
- Democases need to be taken further forward

Bioeconomy Pilot – Demonstrate and commercialise?

Next steps:

- Make cases ready for private investments and for (H2020-) and other calls
- Memorandum of Understanding with the BIC Consortium
- Structural funding of the pilot work and interregional funding mix ?

Any Questions?

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