



Open Innovation in Lombardy Region

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From Working Groups to **Regional Strategic Communities**



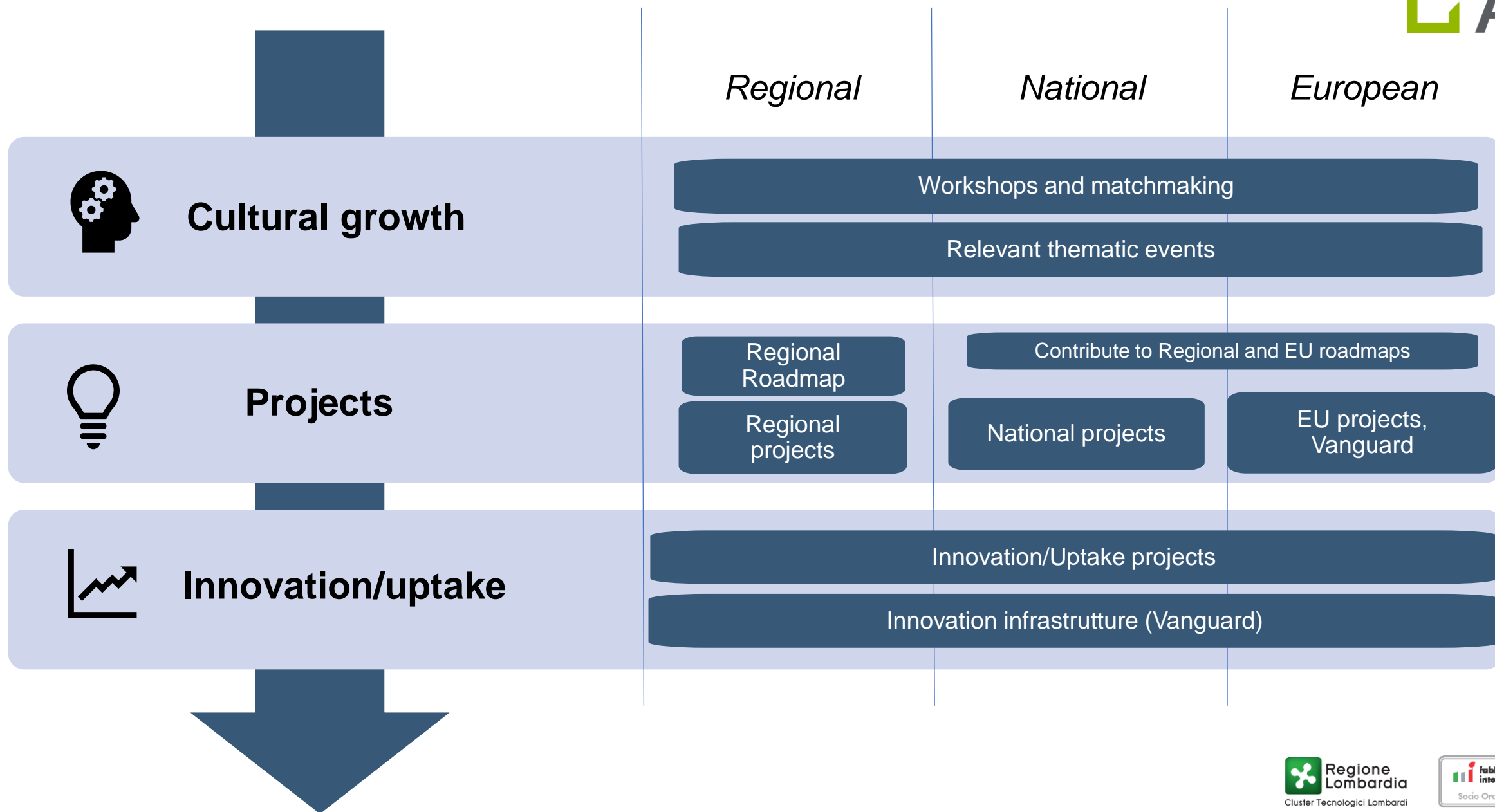
Stable groups of stakeholders developing a topic/area of regional specialisation

- Manufacturers
- Technology providers
- Universities and RTOs
- Associations
- ...

MISSION

- **Integrate Regional Community** around a strategic topic of regional specialisation
- **Stimulate cultural growth**, innovation and supply chain capability of the community
- Contribute to **internationalisation** through the involvement in international networks active on synergic or complementary S3 topics
- Provide strategic inputs to Regional Authority for the **definition of innovation policies**

Lifecycle of Strategic Communities



How Strategic Communities work

- Open call for proposals
- Report to the Board of the Cluster
- Inclusive
- Meet regularly
- Measurement of performance

Current working groups evolving into Strategic Communities



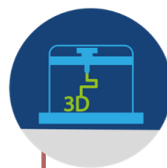
De- and
Remanufacturing



Digital and Intelligent
Factory



Materials and Surface
Treatment



Additive
Manufacturing

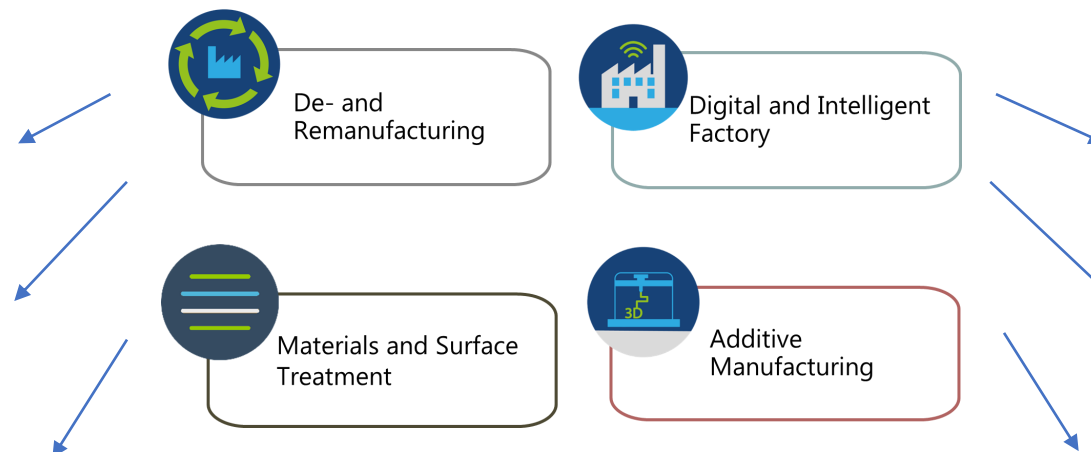


- Reuse and remanufacturing of batteries
- Recycling and reman of automotive mechatronics
- Digital technologies energy efficiency
- Plastronics
- 3D Printing
- Smart packaging for food
- Recycling of textiles
-
-

Achievements of Working Groups



- Vanguard ESM Pilot (coordinator)
- Vanguard De- and Remanufacturing demo-case (coordinator)
- Vanguard Digital Transformation demo-case (coordinator)
- Vanguard Additive-Subtractive demo-case (coordinator)
- ESM Partnership S3 Platform (coordinator)
- DG Regio Supported action De- and Remanufacturing



- Interreg EU S34GROWTH
- Interreg MED GREENOMED (coordinator)
- Interreg Centrale 3DCentral
- Interreg Alpine Care4Tech
- Interreg North-West SMART-SPACE
- Cosme tender ADMA

- H2020 CarE-Service
- H2020 FiberEUUse
- H2020 BEinCPPS
- H2020 SCREEN

- 16 Regional projects

- EU Battery Alliance
- S3 Platform on batteries
- SETPlan Battery recycling

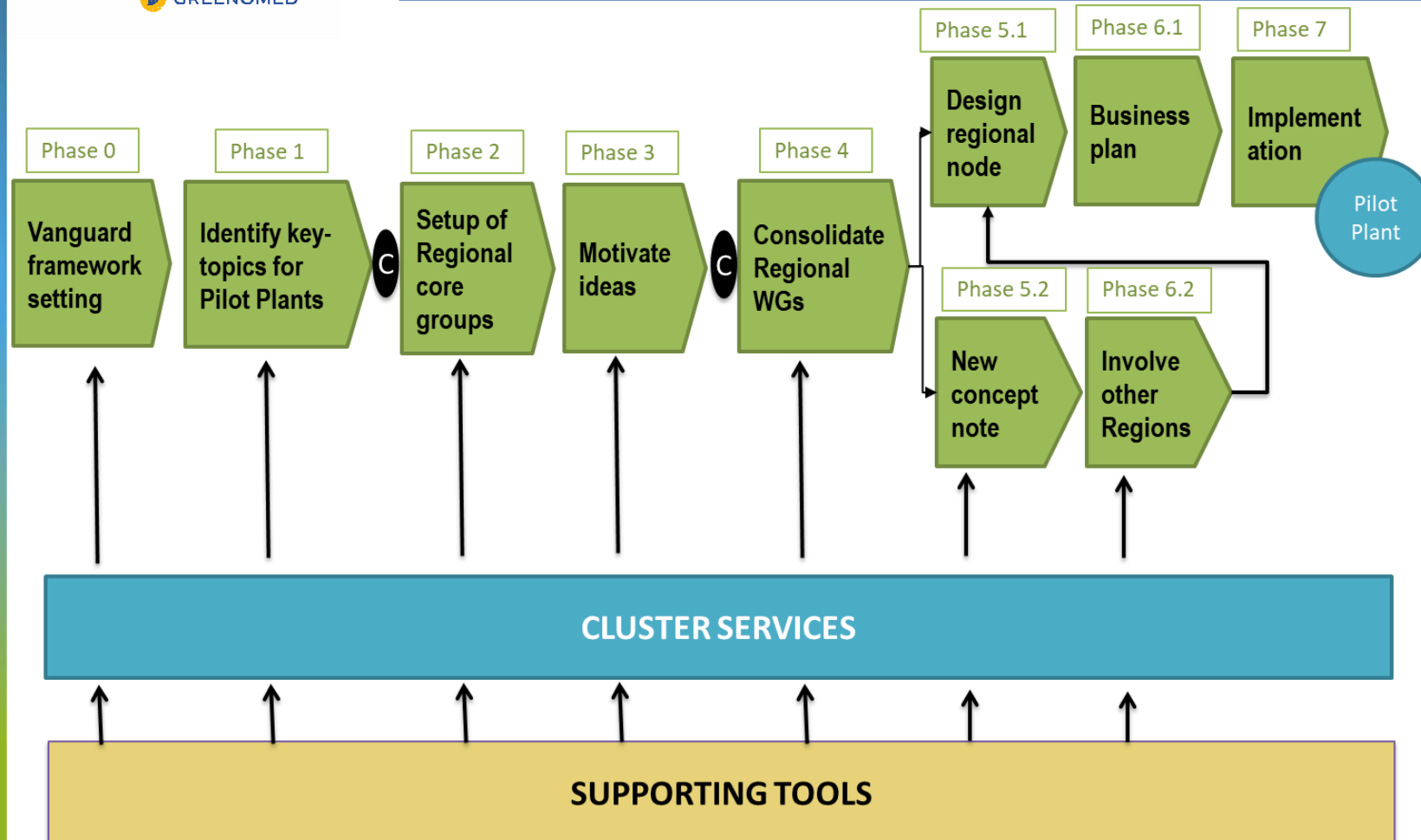
ERASMUS+ - DIGIT-T and DIGI-FOF

European Remanufacturing Summit

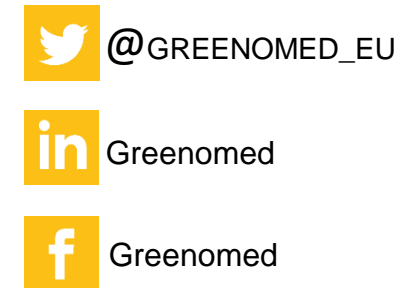
Exporting the organisational model through the Greenomed Interreg MED project



The GREENOMED trans-national cooperation methodology



<https://greenomed.interreg-med.eu/>





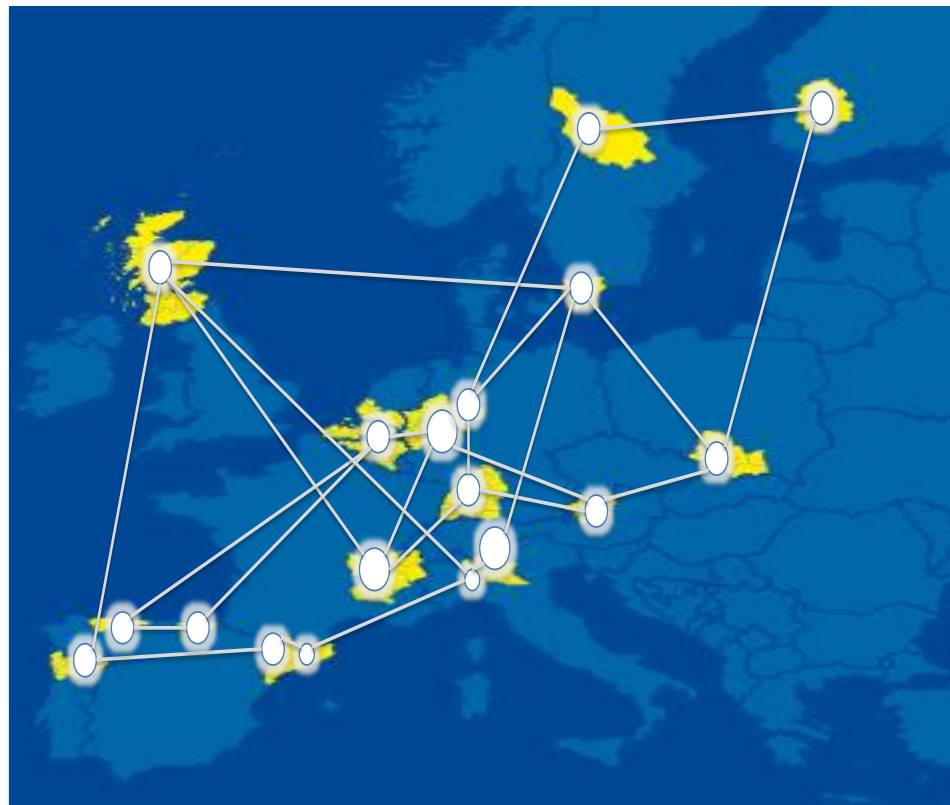
Tanks for attention

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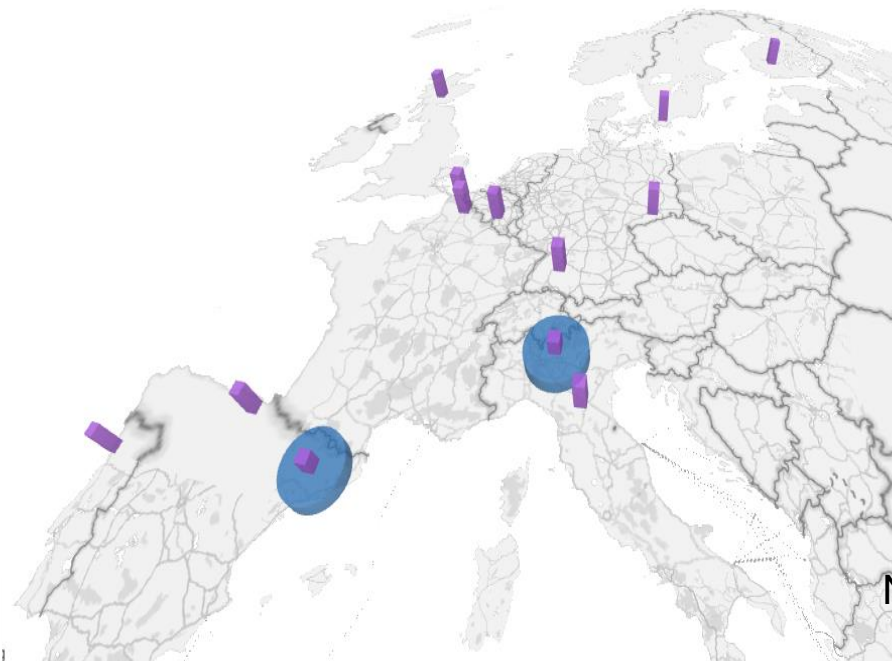
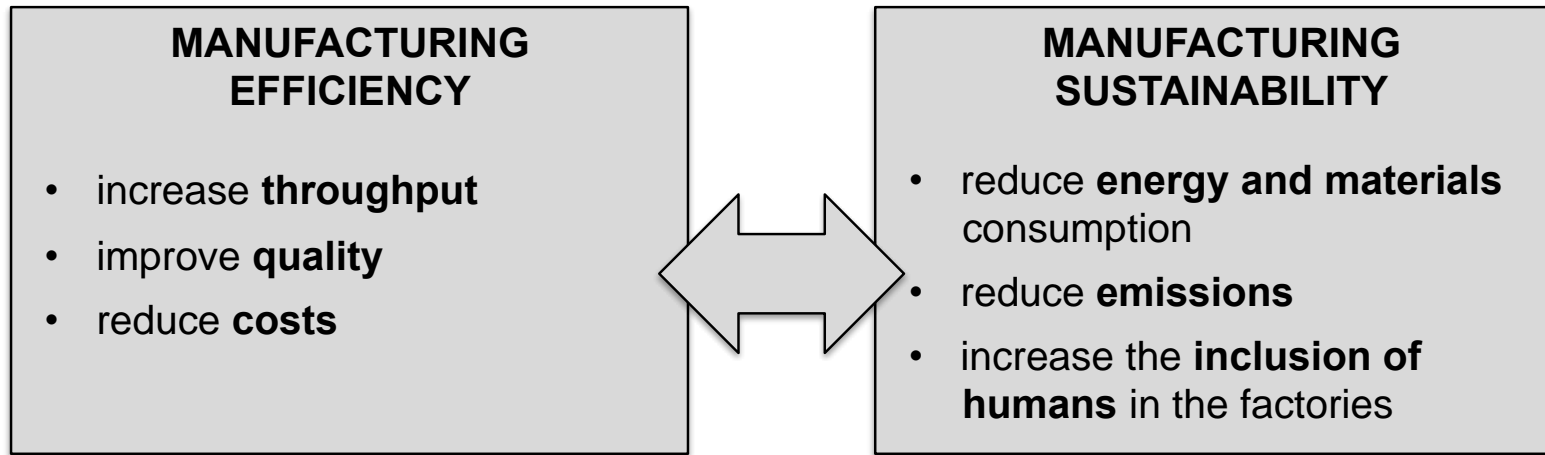
Vanguard is a political initiative of 30 European Regions aimed at the implementation of strategic innovation projects in a logic of smart specialization



• 5 Pilot projects:

- ESM-Efficient and Sustainable Manufacturing
- 3DPrinting
- Energy applications in harsh environments
- Nano-enabled products
- Bio-economy

- Overall, the pilot projects generated **20 demo-cases aimed at the establishment and exploitation of a highly specialized European network of regional pilot plants**



Partner regions:

- **Lombardy**
- **Catalonia**
- Baden Württemberg
- Basque Country
- Emilia Romagna
- Flanders
- Hauts de France
- Northe
- Saxony
- Scotland
- Skåne
- South Netherlands,
- Tampere

New regions

Navarra, Austria, Slovenia, Galicia, East-Netherlands, Auvergne Rhone Alpes, Madzowiecke

The Vanguard ESM demo-cases



GREEN
MANUFACTURING

	Lombardy	Catalonia	Baden Württemberg	Basque Country	Emilia Romagna	Flanders	Hauts de France	Northe	Saxony	Scotland	South Netherlands	Tampere	Indicative number of stakeholders
Adaptive and Intelligent Manufacturing	x			x	x	x	x	x			x	x	100
Energy and environmentally-efficient manufacturing processes	x	x		x			x	x	x				40
Advanced sustainable surface & coating manufacturing technologies on polymers	x	x	x				x		x				40
Digital and Virtual Factory	x	x						x	x		x	x	40
De- and Re-Manufacturing	x			x	x	x			x	x		x	120



How to conceive, design and implement
Networks of pilot plants in a logic of smart
specialisation?

Greenomed goal

**Test a trans-regional cooperation methodology
to design and build pilot plants supporting green
manufacturing in the MED area
based on the “Vanguard” experience**

