

VANGUARD INITIATIVE
New growth through smart specialisation

ESM Pilot

Efficient and Sustainable Manufacturing Pilot

ESM event: afternoon session

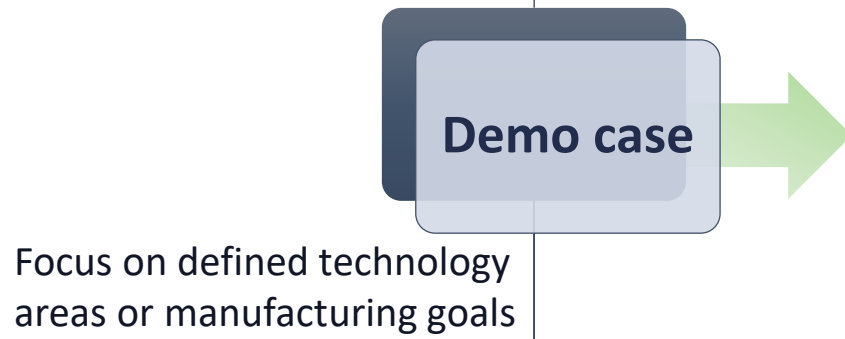
AGENDA

- 13:00 Networking lunch and registration*
- 14:30 Wrap-up of the morning discussion and opening session
- 14:45 The ESM demo-cases: best practices and 2023 Action Plans
- De- and Remanufacturing for Circular Economy
 - Digital Transformation
 - Polymer-Based Functional Products
 - Energy-Flexible and Resource-Efficient Factory Operation
- 15:45 Parallel workshops for the demo-cases
- 16:45 Wrap-up and identification of collaborative cross-demo-case opportunities
- 17:00 End of meeting



EFFICIENT AND SUSTAINABLE MANUFACTURING IN EUROPE
Interregional Collaboration on EU policies and programmes
through the Vanguard Initiative

Vanguard Initiative: structure

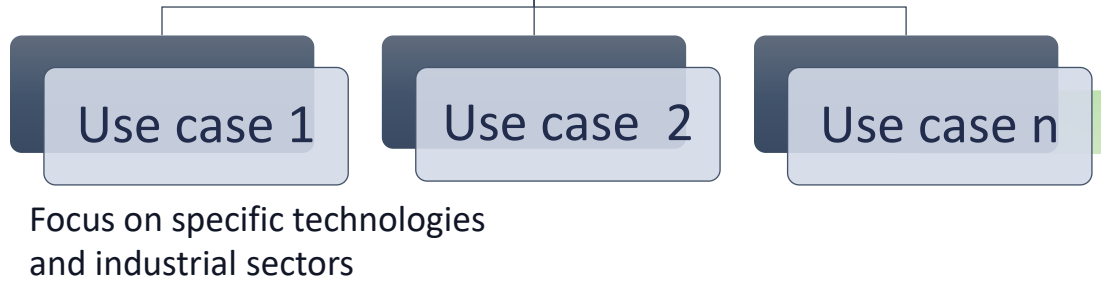


De- & Re-Manufacturing

Digital Transformation

EFREFO Energy-flexible and resource-efficient factory operation

Polymer-based functional products



Regional/Cross-Regional Use Case	Involved Regions
1. Smart Plastronic Components	Auvergne, Rhone Alpes, Catalonia, Es, Baden Wuert
2. Nano-Functionalised Polymer Products	Catalonia, N
3. Sustainable coatings and surface treatments on Polymers for demanding applications	Lombardy, N, Norte
4. Polymeric Bio-based solutions	Auvergne Rh, Slovenia, Cat, Netherlands
5. Advanced Lightweight Polymer Composites	East Netherla, Rhone Alpes

Regional/Cross-Regional Use Case	Involved Regions
1. Energy efficiency optimization leverage by Data & Predictive Analytics	Saxony, Norte, Lombardy, Navarra, Pays de la Loire
2. "Zero waste" and "Zero Emission" strategies for high (eco)efficiency production	Lombardy, Navarra, Saxony, Norte
3. Energy Industrial Symbiosis Management (Intra/Inter-Companies and Inter-Sectorial)	Norte, Saxony, Navarra, Lombardy
4. Renewable Energy sources and gases integration and advanced energy storage technologies in order to promote flexibility in industry	Norte, Saxony, Lombardy, Navarra

Next steps

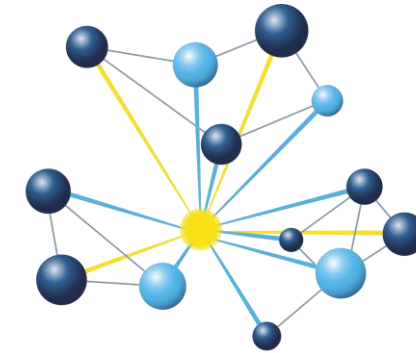
PHYSICAL EVENTS

- 14-15th September Vanguard Midterm event
- 25th September – AI REGIO political event
- November-December: ESM plenary event

OTHER EVENTS

- Preparation meetings for the new calls
- Dissemination event for the active projects in order to outline synergies
- Meeting to show «The Gateway» platform, cross Pilot and cross technology instrument

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