



The role of Clusters in accelerating the European Recovery

Linking and Reinforcing Industrial Ecosystems in the National Recovery Plans and the Smart Specialization Strategies

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The important role of clusters in smart specialisation has always been recognised

“Clusters are for many regions among the key building blocks in developing and implementing smart specialisation strategies.”

“Due to their inherent capacity to support cooperation between different innovation actors in a region, clusters are powerful instruments for fostering industrial competitiveness, innovation and regional growth.”

“The full potential of clusters is unlocked when policies and SME support measures are in place that structure co-creation process and thus direct public and private investment.”



Key characteristics of clusters in smart specialisation

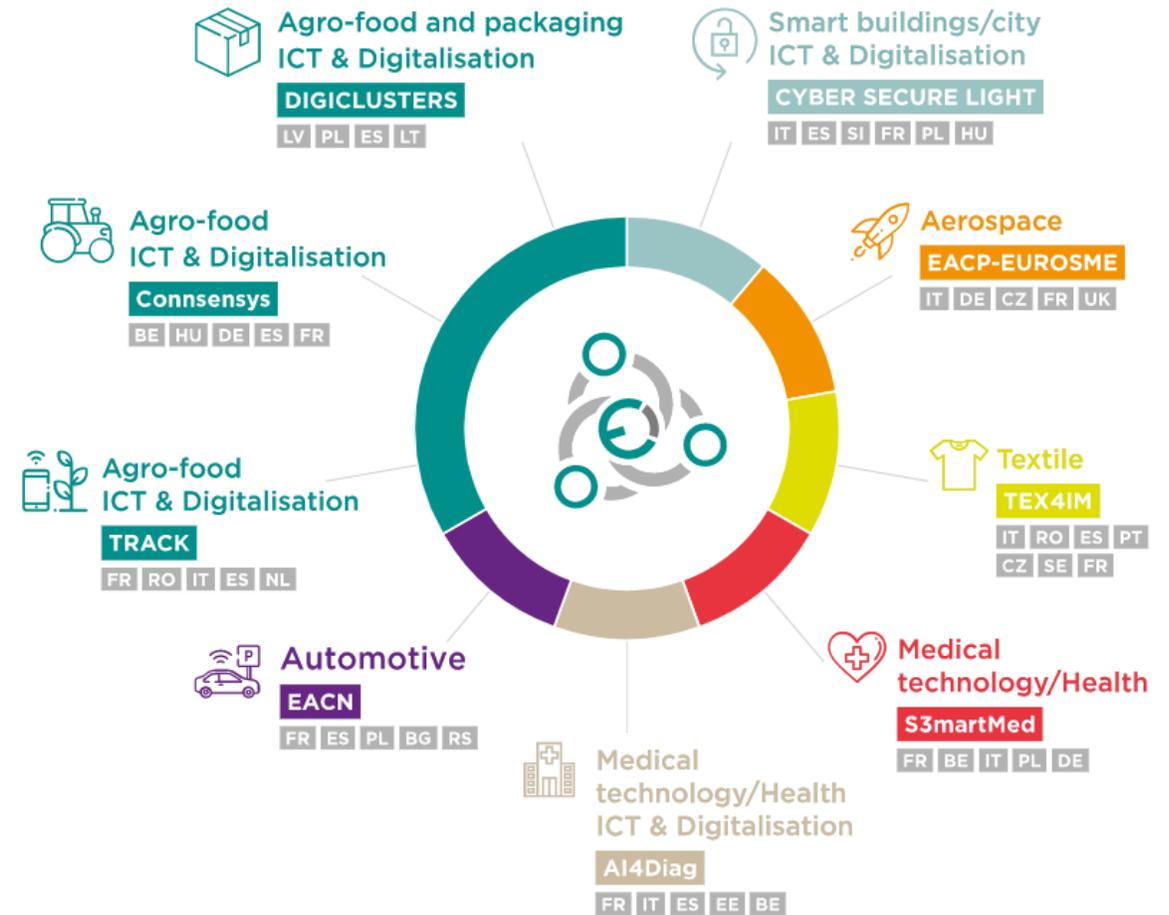


- Entrepreneurial actors
- Close-to-market research
- Knowledge proximity
- Strong connections inside
- Enabling cooperation outside
- Provide and mobilise resources
- Critical mass and scope of activities
- Streamline efforts towards objectives
- Discover new development paths
- Face and address societal challenges
- Reflect socio-economic reality in territory

Investing through clusters in smart specialisation helps modernise economy

The European Strategic Cluster Partnerships for smart specialisation investments (ESCP-S3) supported 9 EU cluster partnerships with projects:

- in cyber secure lighting and home automation system for smart buildings
- directing aerospace industry toward circular economy
- developing innovative textiles
- using of AI and 3D printing in medical technology
- preparing skills for industry 4.0 change processes in automotive
- speeding up modernisation of agrofood packaging



Clusters are very well positioned to effectively accelerate an uptake of advanced technologies for greener and more digital and resilient EU economy

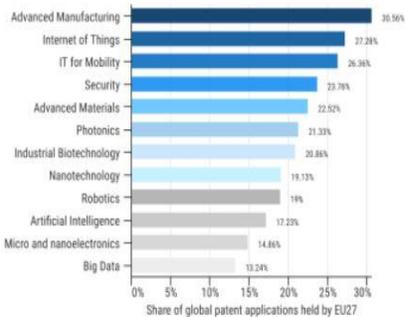
New Advanced Technologies for Industry portal (<https://ati.ec.europa.eu/>)

- Monitors the generation and uptake of advanced technologies at sectoral level in Europe.
- Provides analytical reports on technological trends across EU countries and abroad.
- Focuses on those advanced technologies that will enable and help industries to successfully manage a shift towards a low-carbon and knowledge-based economy such as; AI, blockchain, photonics, advanced materials, etc.

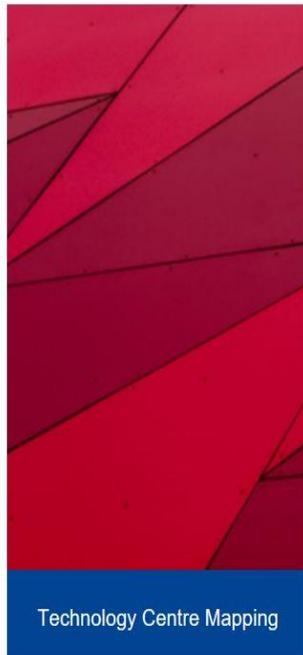
EU27 strengths in producing advanced technologies



21,94% of advanced technologies global patent applications held by EU27



Data dashboard



Technology Centre Mapping



Technology Watch



Policy Briefs



Sectoral Watch



Product Watch



International Reports

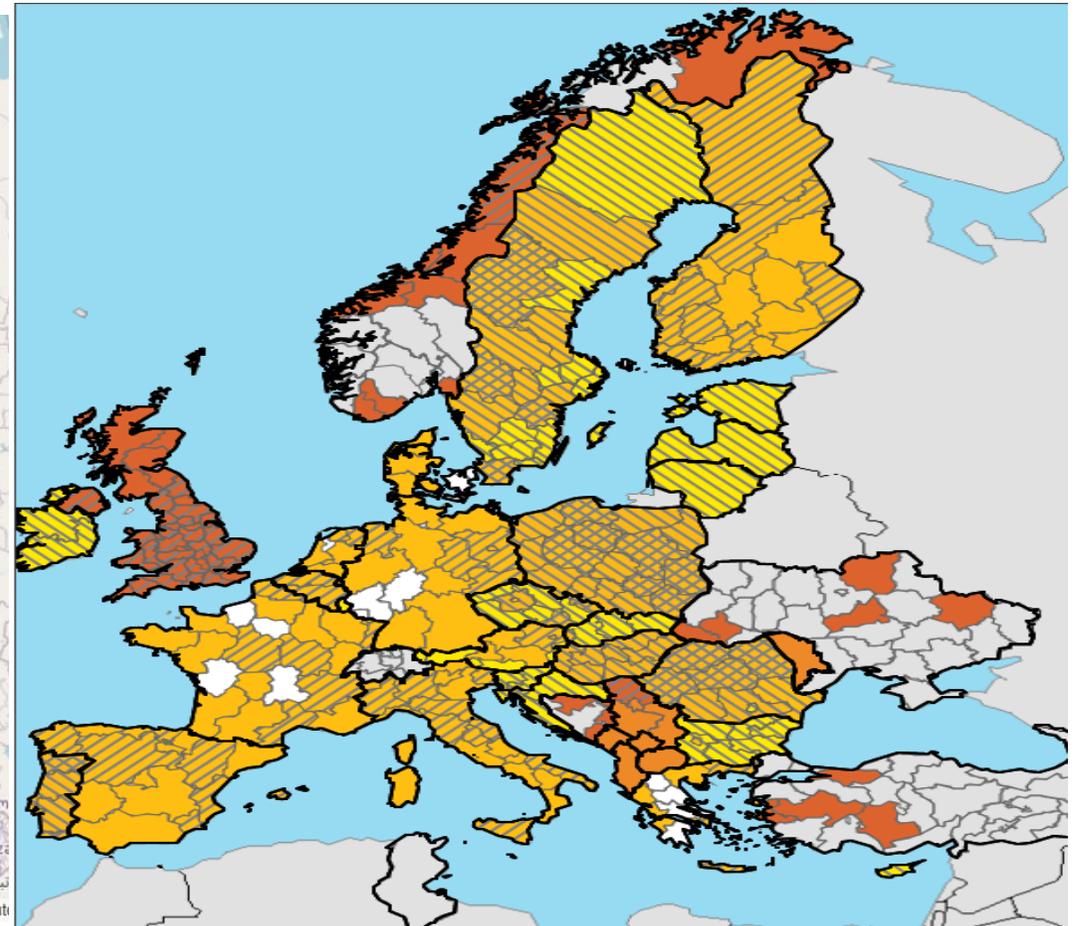
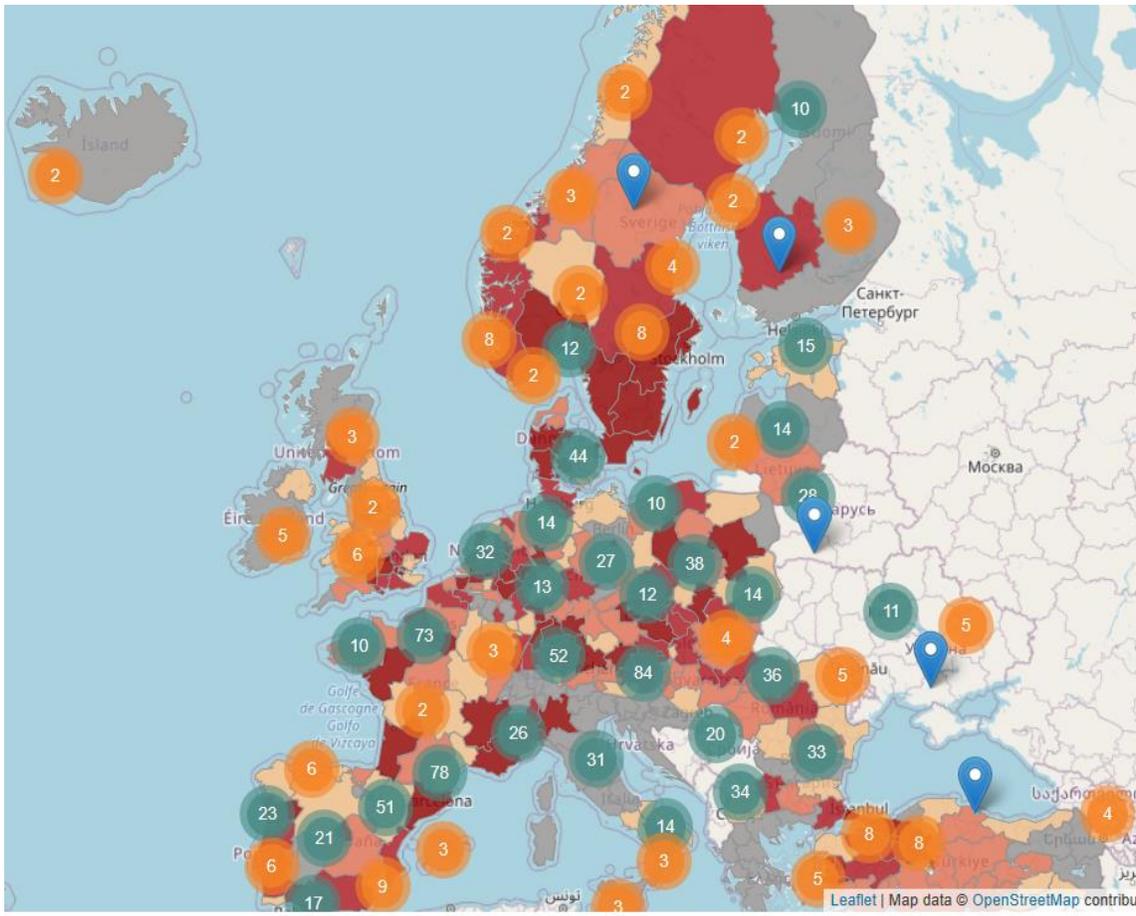


EU Reports

The EU has over 3000 clusters collaborating across the EU with over 50 million jobs placed in concrete locations. Let's use this potential to accelerate recovery.

Clusters in the EU

Smart Specialisation Strategies in the EU





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