

Regional and Urban Policy Directorate General

EU Cluster Initiatives to support emerging industries

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**REGIO.G1 – Competence Centre
Smart and Sustainable Growth**

New Cluster Policies and Tools to Support Emerging
Industries and System Innovation, 7 April 2016

EU Cluster policy in perspective of Economic Transformation

- Clusters as micro-systems (cluster policies are 'systemic')
 - Agglomeration economies, using positive externalities + (tacit) knowledge spillovers. Does it still drive productivity gains? Role of open Innovation?
 - Changing patterns of specialisation and (dis)integration in global value chains
 - Secular stagnation: clusters as part of the problem or/and part of the solution?
 - Cluster initiatives (functions for business services, networking, brokerage): can reinforce **lock-in** but also **change management**
- Challenges for transformation (system innovation / transition)
 - Strategic cluster initiatives are geared towards opportunities for **diversification**, but conditions of uncertainty and coordination failures requires experimentalist governance
 - Role of public authorities (new industrial policy) is to enable **strategic learning** in **concrete investment projects** to favor **emergence** of new value chains/emerging industries
 - Role of strategic cluster partnerships as part of the 'entrepreneurial discovery process'

EU Cluster initiatives



+ linkages with PPPs under Horizon2020, European Innovation Partnerships, Joint Technology Initiatives, Joint Programming Initiatives, Knowledge and Sector Skills Alliances, Enterprise Europe Network, etc.

European Institute of Innovation & Technology (EIT) Knowledge and Innovation Communities (KICs)



- Independent body with 2.4 billion budget (2014-20)
- Five Knowledge and Innovation Communities (KICs) plus two from 2016
- Bringing together leading higher education institutions, research labs and companies
- Long-term perspective to spur innovation and entrepreneurship
- Focus on developing innovative products and services, start-up support, and Master & PhD education and training programmes

Supporting SME internationalisation and cluster excellence

Promoting cluster cooperation for industrial leadership in global markets & supporting capacity building in cluster management

- Cluster Internationalisation Programme for SMEs (COSME, €19 m)

European Strategic Cluster Partnerships – Going International

European Cluster Collaboration Platform



EUROPEAN
CLUSTER COLLABORATION
PLATFORM
.eu



International cluster matchmaking events in third countries and Europe

- Cluster Excellence Programme for SMEs (COSME, €8.25m)

Benchmarking, training, twinning & labelling

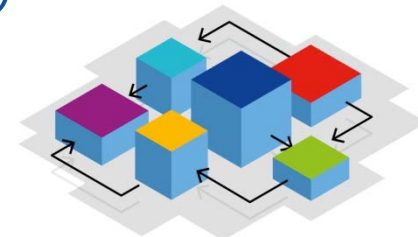


Cluster initiatives 2014-2020

Internationalisation

Cluster Internationalisation Programme for SMEs (€19 million):

- Implementation of **European Strategic Cluster Partnerships – Going International** (2015 call)
 - 13 funded partnerships: 8 for preparatory phase and 5 for implementation phase
 - 16 non-funded partnerships selected plus up to 19 further pilots to continue
- Further development of the **European Cluster Collaboration Platform** to facilitate cluster cooperation, including with international partners (first agreement signed with US Department of Commerce in April 2015)
- Organise **international cluster matchmaking** third countries and in Europe.

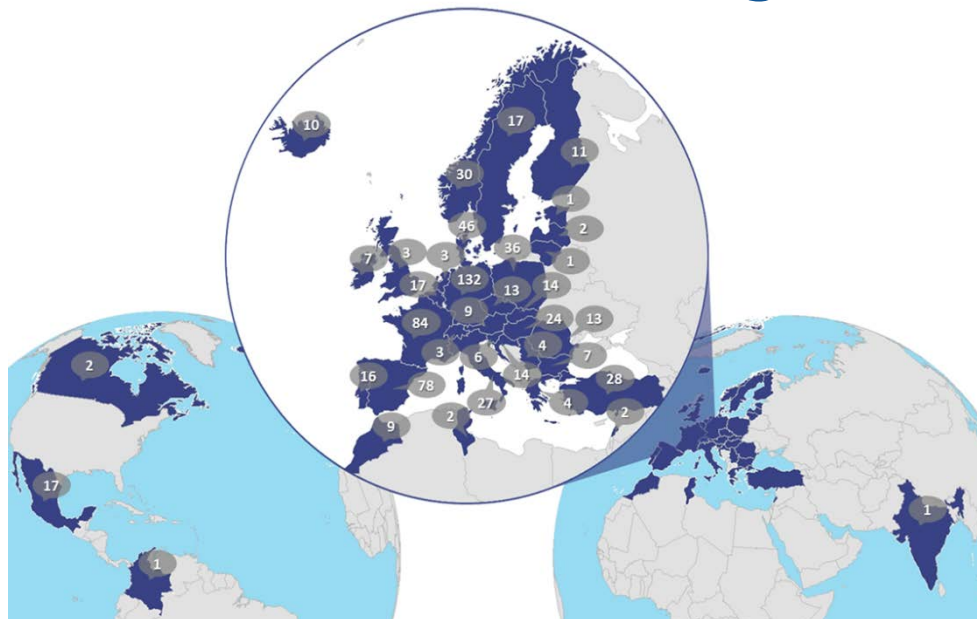


Cluster initiatives 2014-2020

Professionalisation of cluster management

Cluster Excellence Programme for SMEs
(COSME, estimated €8.25 million)

Cluster benchmarking and training



- ≈ 836 x (40 countries) BRONZE label



- 51 x (12 countries) SILVER label



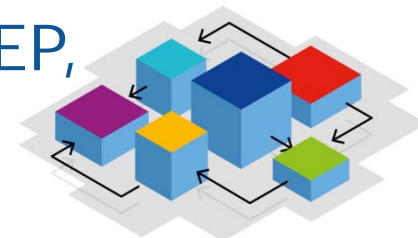
- 71 x (14 countries) GOLD label



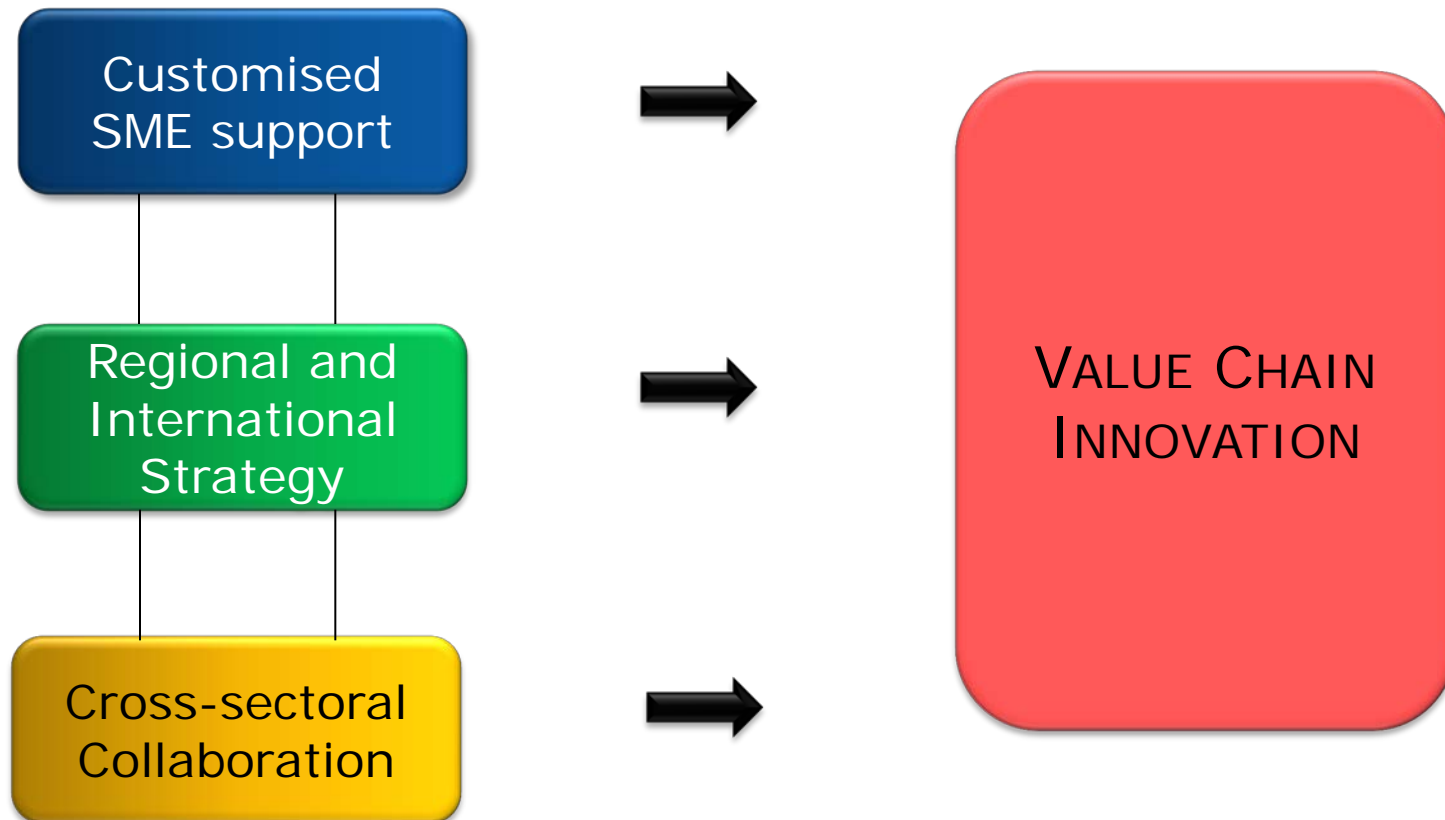
Cluster initiatives 2014-2020

Emerging industries & smart specialisation

- Cluster facilitated projects for new industrial value chains (Horizon2020, estimated €130m)
- European Cluster Observatory and European Observatory for Clusters and Industrial Change (COSME, estimated €5 million)
- 6 Clusters and entrepreneurship in support of emerging industries projects (CIP 2013, €4.2m)
- Towards Regional Economic Convergence to explore European Cluster Partnerships (EP, € 0.5m)



Role for cluster organisations or other SME intermediaries



Example: Cluster facilitated projects for new industrial value chains (INNOSUP-1)

**Overall Budget
2015-2020: ca.
EUR 130 Million**

**Annual Budget
2015: 24.9 m EUR
2016: 15.0 m EUR
2017: 18.5 m EUR**

**Support for 5-10
projects per year**

**Two-stage
submission
procedure**

**First stage
concept note of
10 pages
(RIS3/ESIF link
to be outlined)**

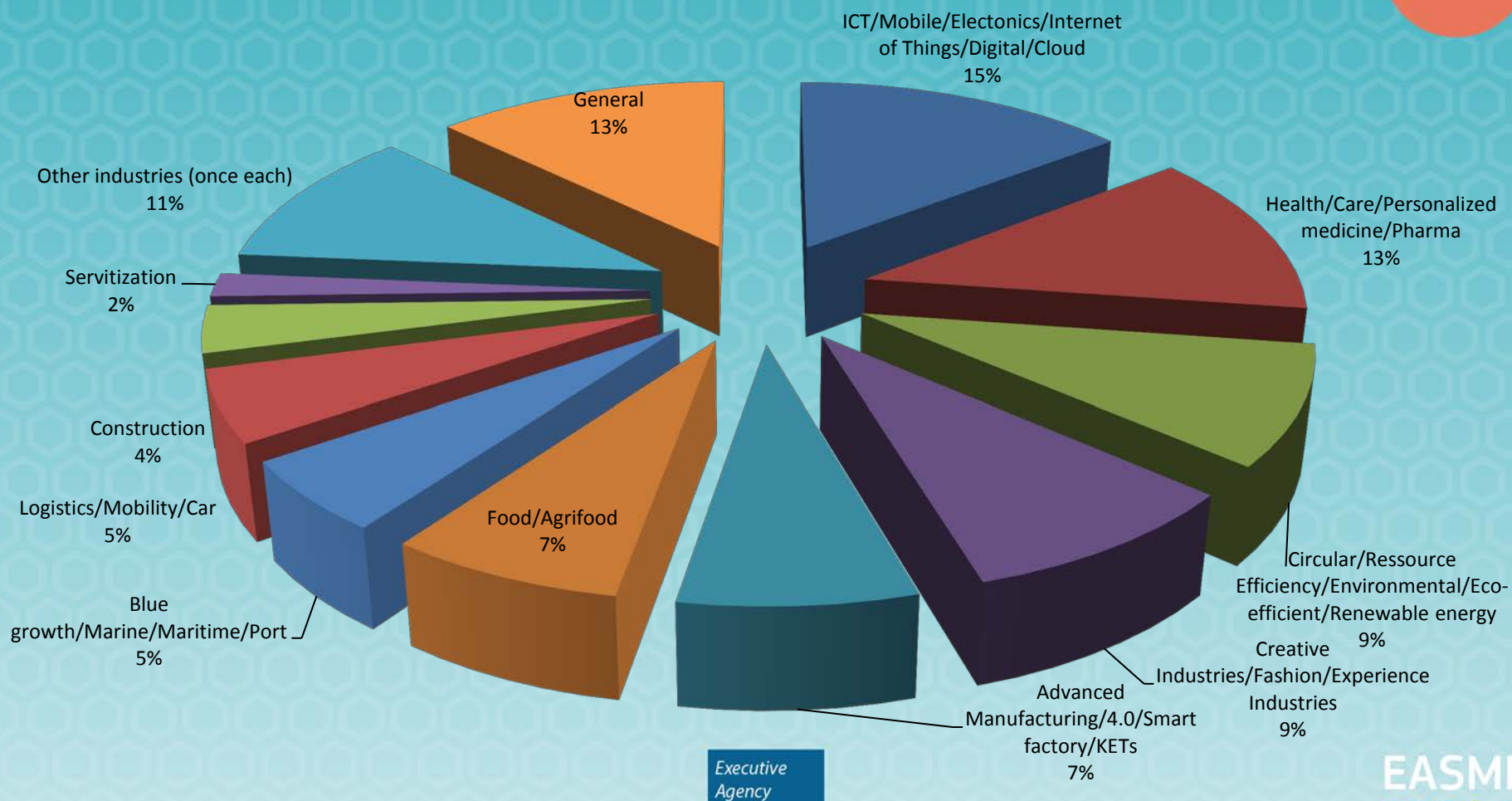
**Deadline 1st stage:
06/04/2016
Deadline 2nd stage:
08/09/2016**

**Standard
eligibility
criteria**

**70% funding rate
(except non-profit
entities: 100%)**

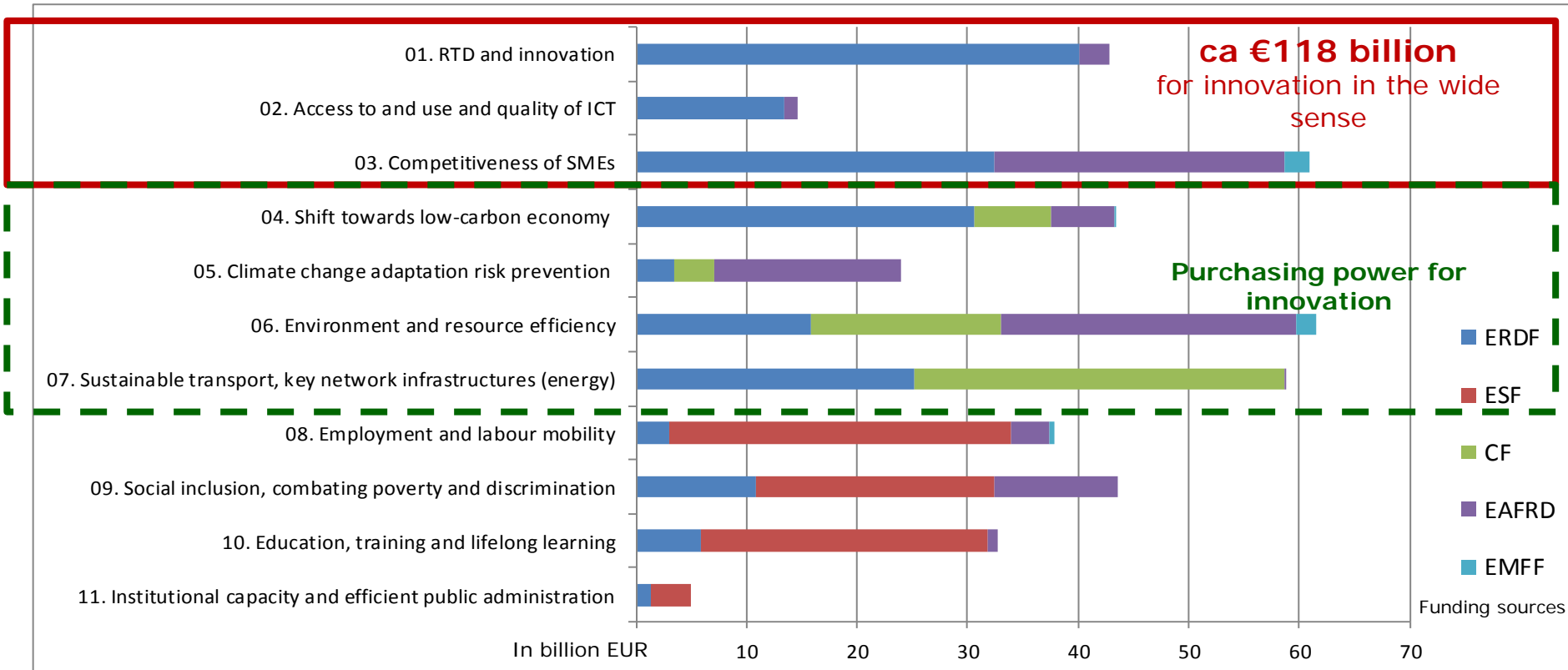
**At least 75% to
support innovation
in SMEs**

Topics of INNOSUP-1 cluster projects - 45 second stage full proposals



European Structural Investment Funds (ESIF)

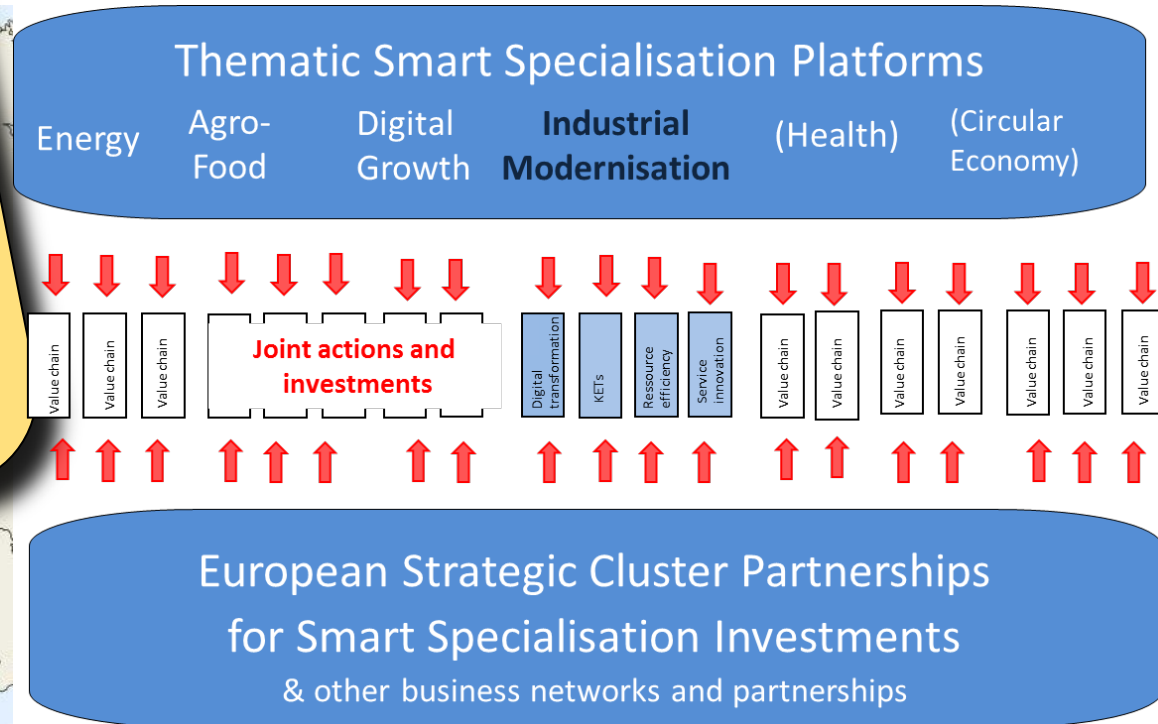
- EUR 451 billion of ESIF + EUR 183 billion of national co-financing
- 456 national & regional and 79 interregional cooperation programmes
- 11 thematic objectives and guided by smart specialisation strategies



Source: Final ESIF partnership agreements as of December 2014m soon all open data available at: <https://cohesiondata.ec.europa.eu/>

RIS3 supports inter-regional, inter-disciplinary, cross-sectoral areas to build competitive advantage

- Ca. 1300 RIS³ related niches in:
- Agro-food
 - Key Enabling Technologies (e.g. advanced manufacturing)
 - Health
 - Energy
 - ICT/Digital Agenda
 - Eco-innovation/Environment
 - Creative industries
 - Transport & Logistics
 - Service innovation



Regional strength
(sectoral and cross-
sectoral cluster mapping)

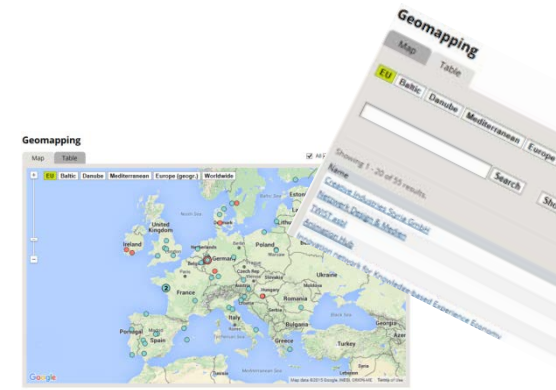
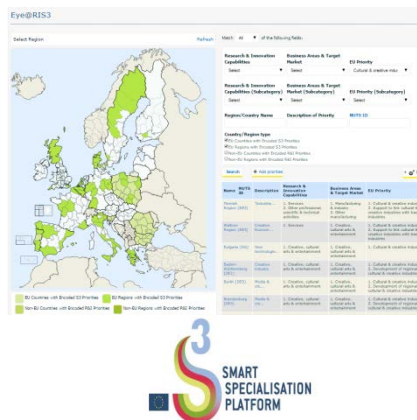
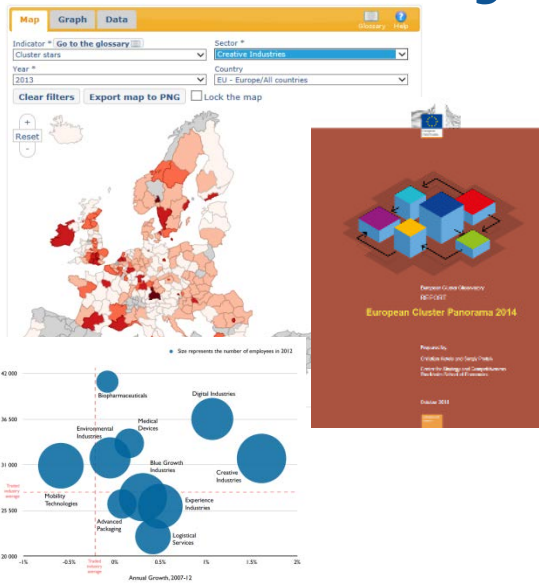
Regional priorities
(research and innovation
policy priorities)

Regional partners
(cluster organisations,
European Partnerships)

European Cluster Observatory

Smart Specialisation Platform

European Cluster Collaboration Platform



Eye@RIS tool, <http://s3platform.jrc.ec.europa.eu/>

<http://www.clustercollaboration.eu>

Cluster Mapping tool

<http://ec.europa.eu/growth/smes/cluster/observatory/>



For more see

EU Cluster Portal

<http://ec.europa.eu/growth/smes/cluster/>

Smart Specialisation Platform

<http://s3platform.jrc.ec.europa.eu/>