Operationalisation of a value-chain approach through interregional cooperation in thematic smart specialisation platforms

Macro-Regional Innovation Week
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Smart Specialisation unlocking the potential of regional innovation

Session: S3 and Value Chains

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Session: S3 and Value Chains

Thematic S3 Platforms vs Strategic Cluster Partnerships for Specialisation Investments
Moderator: Jan Larosse (DG REGIO)

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Valentina Pinna, Vanguard Initiative and Regional S3, Lombardy Region, IT

Leda Bologni, Industrial research unit and S3 technical assistance manager, ASTER, Italy: Value Chains in thematic platforms: S3 implementation and evolution in Emilia- Romagna region

Lydia Alessio-Vernì, Deputy Director, Industry, Tourism and Cooperation Department, Friuli Venezia Giulia Region, Italy: New clusters connected to FVG specialisation areas.

Aleš Hančič, S3 for Industrial Modernisation - Smart mechatronic tools and dies, TECOS, Slovenia specialisation areas: InD4.0 - Expectations and opportunities of the manufacturing industry
Questions for this session

- What is new in the value chain approach?
- How will it help interregional cooperation?
- How will interregional cooperation help to strengthen regional innovation-ecosystems?
- How will Thematic S3 Platforms support effective RIS3 implementation?
  - What is the role of (leading) regional authorities?
  - What is the role of (lead-)clusters?
  - What is the role of supporting innovation infrastructures?
- What is the role of macro-region strategies?
- How can you join the Thematic S3 Platforms?
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Overview

'**Thematic S3 Platforms**'
- Next 'big thing'? - what/why/ where/how?
- Interregional cooperation & RIS3 implementation
- S3 meets cluster policies = strategic cluster partnerships

'**Value Chain-approach**'
- = A policy framework for integration
- S3 as coordination mechanism!
- New opportunities for interregional cooperation: co-investments

'**Operationalisation**'
- Kick-off events: be there!
- Focus on 'Joint Demonstration' = EDP at EU level
- Network of Innovation infrastructures (Dig. Innovation Hubs)
- What is in it for Macro-Regions?
See: S3 Platform Themes
http://s3platform.jrc.ec.europa.eu/s3-themes

SMART REGIONS Conference
Driving smart specialisation investments in priority areas for European growth
1-2 June 2016 – Square, Brussels
@EU_Regional #SmartSpecialisation

Implementation of RIS3 in priority areas

Thematic Smart Specialisation Platforms

Energy

Smart Specialisation Investments

Agro-Food

Interregional cooperation for critical mass; avoiding duplication

European strategic growth areas

Industrial Modernisation
Integrated approach smart specialisation & cluster policies

Regional authorities

Thematic Smart Specialisation Platforms
- Energy
- Agro-Food
- Industrial Modernisation
- (Health)
- (Circular Economy)

Business

Joint actions and investments

Cluster organisations

European Strategic Cluster Partnerships for Smart Specialisation Investment
Value chain approach: policy framework for integration

= facilitate (pro-active) combination of intermediary inputs to co-produce *solutions* (value propositions) / *co-investment*

**Facilitating Connections**

- **Integration** of technology development (*supply conditions*) with societal challenges (*demand pull*)
- **Business** perspective!
- Connecting *complementary actors* (co-specialisations)
- **Vertical** policies give *direction* (open innovation)
- **Co-creation** of success-conditions
- **Role** of regional eco-system/clusters as 'anchors' of local value-added

**Mending Fragmentation**

- **Technology push** has limited impact; demand articulation through *societal challenges* is too broad
- Actors are *disconnected* in efforts to build new solutions
- **Horizontal** policies address mainly similar actors (competitors); policy learning insufficient for co-investment
- **Orchestration VCs** mainly through (foreign) multinationals
Regional Policy

Strategic mapping & positioning & co-creating

World electronics industry value chain, 2012

International Roadmap for Devices and Systems (IRDS)

('Moore's Law' = co-creation of computer industry)

Figure 1: Europe in the electronics value chain
Support implementation RIS3 through positioning regions in internat. VC-s

Implementation RIS3 in regions

Thematic S3 Platforms

Mapping complementarities in targeted value chains

Matching actors & access to infrastructures

Interregional Partnerships in sub-domains
Thematic Smart Specialisation Platforms set up jointly by REGIO, JRC + relevant DGs + committed regions

Based on Eye@RIS3 priority analysis & matching with Commission priorities, funding (H2020, COSME ...) and initiatives (JTIs, EIT-KICs ...)

Expression of interest of (lead) regions to form a partnership along a value chain with regions that have related RIS3 priorities

Scoping Note to identify focus area for further 'entrepreneurial discovery'

1. Mapping competences & matching of business opportunities
2. Industry cooperation and design of projects
3. Business plan and funding mix
4. Investment projects (demo/pilot)
VI focus is on catalysing joint investments in product-driven demonstration pilots (specific applications, products or processes) with 5 pilot-cases.
Methodology: 'Investment Pipeline':

- Developing a scoping paper
- Mapping questionnaire
- Identify lead regions and actors

- Matching events for complementary partners
- Developing demonstration cases

- Networked demonstration
- Pilot lines and first-of-a-kind factories (TRL 6-8)
- Generation 'n', 'n+1', and 'n+2'

- Launch of new ventures and start-ups
- New value chains (TRL 9)

Thematic Area
- Mapping of competences & matching of business opportunities
- Industry cooperation and design of projects
- Business Plan & Funding Mix

Pilot-case:
High-Performance production through 3D-printing

Investment Projects
- Demonstrators
- Bundled small projects
- Single cross-regional large scale project
- Large individual projects

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Analytical support & data:
- S3Platform Online tools (Eye@RIS3, trade data, benchmarking ...)
- KETs Observatory, European Cluster Observatory, S3 ONLINE, Regional Innovation Monitor, Interreg Policy Learning Platform, ...

Experts and hands-on support:
- experts from REGIO database; peer-to-peer learning
- COSME-projects; EFSI advisory hub, InnovFin advisory service, JASPERS

Process: meetings & matchmaking
- S3Platform seminars, Open Days ....; COSME: Reconfirm-Wattify2 etc
- European Strategic Cluster Partnerships

Funding instruments
- H2020 (INNOSUP-1) cluster projects for new industrial value chains
- ERDF and EAFRD programmes; INTERREG
- Digital Innovation Hubs

Political support
- Involvement of relevant DGs (GROW, RTD, AGRI, ENER, CNECT ...)
- Promote investment pipelines towards EIB/EIF

Further synergies are under development!
From innovation trajectory to value chain development

The central role of (networked) demonstration to upscale regional efforts and co-create EU-value chains!
Operationalisation of the Thematic Smart Specialisation Platforms

• **Currently:** *Call for expression of interest for potential lead regions:*
  
  http://s3platform.jrc.ec.europa.eu/industrial-modernisation-thematic-areas

• **Next events:** [http://s3platform.jrc.ec.europa.eu/s3-themes](http://s3platform.jrc.ec.europa.eu/s3-themes)
  
  • **Kick-off S3P Industrial Modernisation,**
    Barcelona, 16-17 November (co-org Accio-Catalunia)
  
  • **Kick-off S3P Agro-Food**
    Florence, 6-7 December (co-org Tuscany Region)
  
  • **Kick-off S3 Energy partnerships**
    (Marine Renewable Energy; Sustainable Construction; Bio-energy; Smart Grids).
    **Brussels, 13-14 October** (European Week)
  
  • **European Cluster Conference 1-2 December, Brussels**
Joining Thematic S3 Platforms: What is in it for Macro-Region Strategies?

1. Accelerate operationalisation of value-chain based cooperation: build co-investment partnerships on the basis of proximity
2. Provide lead-cases for EU-level cooperation; (extension of macro-regional partnership with additional partners)
3. Experiment with joint demonstration / using joint calls