S3 Peer Review Workshop and Galicia-North of Portugal S3 Joint Strategy

Vigo-Baiona (Spain)
6th – 7th November 2014

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Brief Introduction to ERRIN

S3 WG in ERRIN – aims and activities

SmartSpec Project

Learning Journey

Vanguard Initiative

Lessons from the OECD study on cross-border innovation

ERRIN

ERRIN helps regions get their voice heard in Brussels and supports the implementation of the Europe2020 Strategy, the Innovation Union flagship initiative, Smart Specialisation…

+ 2 activities per week

Founded 2001, now with 110+ members in 26 Member States

Building partnerships

Project development

Research and innovation

Brussels-based platform

Horizon 2020 €79 billion

Development of Community research - commitments
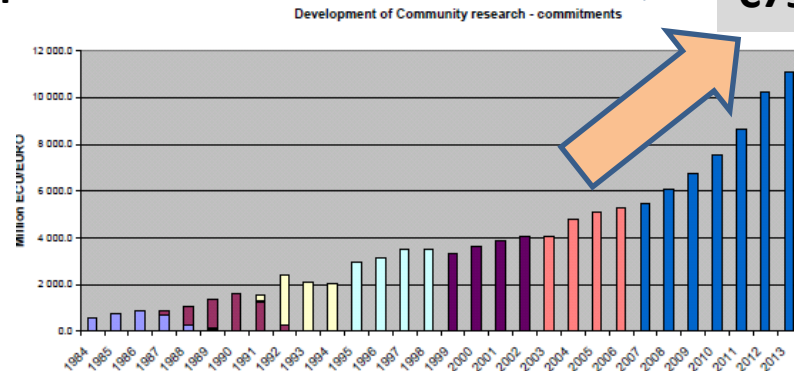
ERRIN Four Ps

Influencing EU Research and Innovation Policy

Policy

EU2020 Midterm Review Urban futures Synergies

Project brokerage sessions Nov24th-Nov 28th

Partner-ship

ERRIN involved in joint events
- **Photonics – EPIC /Photonics 21**
- **Raw materials - CEFIC**
- **KETS - ECSEL**

SmartSpec FP7 Learning Journey with ten regions

Projects

Profile

EU-2020 Revision Seminar: East & North Finland, East Sweden and Emilia Romagna

Supporting project development and engaging ERRIN regions in EU projects

Raising the profile of ERRIN and member regions in Brussels

ERRIN Working Groups 2014

Strategic	Cross-cutting	Societal Challenges	Industrial Competitive-ness	Innovation
Policy	Smart Specialisation	Health	ICT photonics robotics	Innovation Tools & Funding
Projects	Smart Cities	Science & Society	Advanced materials & nano	Tourism
New Group?	Blue Innovation & Growth 2015	Energy and Climate Change	Bio-economy, food & agriculture	Design & Creativity
		Transport		
		Water		

Working Groups and Leaders 2014

Strategic

- **Policy –** *Scotland Europa, East & North Finland & South Tyrol*
- **Projects –** *South Denmark, West Midlands & Eindhoven*

35 regions involved in leading Working Groups

Societal

- **Energy –** *Scotland Europa, Flanders & South Denmark*
- **Health –** *Flanders, South Denmark, Skane & Lombardy*
- **Science & Society –** *Bremen*
- **Transport & Logistics –** *Aragon, Ile de France, Northamptonshire & Oslo*
- **Water –** *Fryslan, Skåne , Puglia & Aragon*

Industry

- **Advanced manufacturing & nano –** *Twente University, Rhone-Alpes & Basque Country*
- **Bio economy, food & sustainable agriculture –** *Lombardy, West Finland & Northern Ireland*
- **Design & creativity –** *Paris CCI, Central Denmark, Lombardy & Stuttgart*
- **ICT –** *North Denmark, Amsterdam, Wolverhampton Univ, Extremadura…*
- **Innovation Funding –** *Wales Higher Education, Cantabria, Eindhoven…*
- **Tourism –** *Valencia, Lodz, Lombardy, PACA & Saxony Anhalt*

X-cutting

- **Smart Cities Communities & Regions – *Eindhoven, East & North Finland, Skane, (Cantabria, Lombardy & Catalonia)***
- **Smart Specialisation – *Scotland Europa, Tampere, Skåne, East Sweden & Malta***
- *Blue Innovation & Growth – Brittany, Pomorskie & Emilia Romagna (2015)*

S3 Working Group

- Examining processes of Smart Specialisation
  - EDP
- Updates on studies on RIS3
- Profiling regional RIS3 Strategies
  - Recent presentations - Tampere, Malta
- Uploading and downloading information to/from Mirror Group
- Brussels forum for regions

EDP - two identified groups of regions

1. Regions where the entrepreneurial discovery process is **embedded** in their strategic work with innovation and growth:

- have worked with the concept in some form for a long time
- have a long-term approach
- the benefit of the work is obvious

2. Regions who have started working with an entrepreneurial discovery process recently. The work **not (yet) embedded** in their strategic work.

- the thinking has often started because of S3
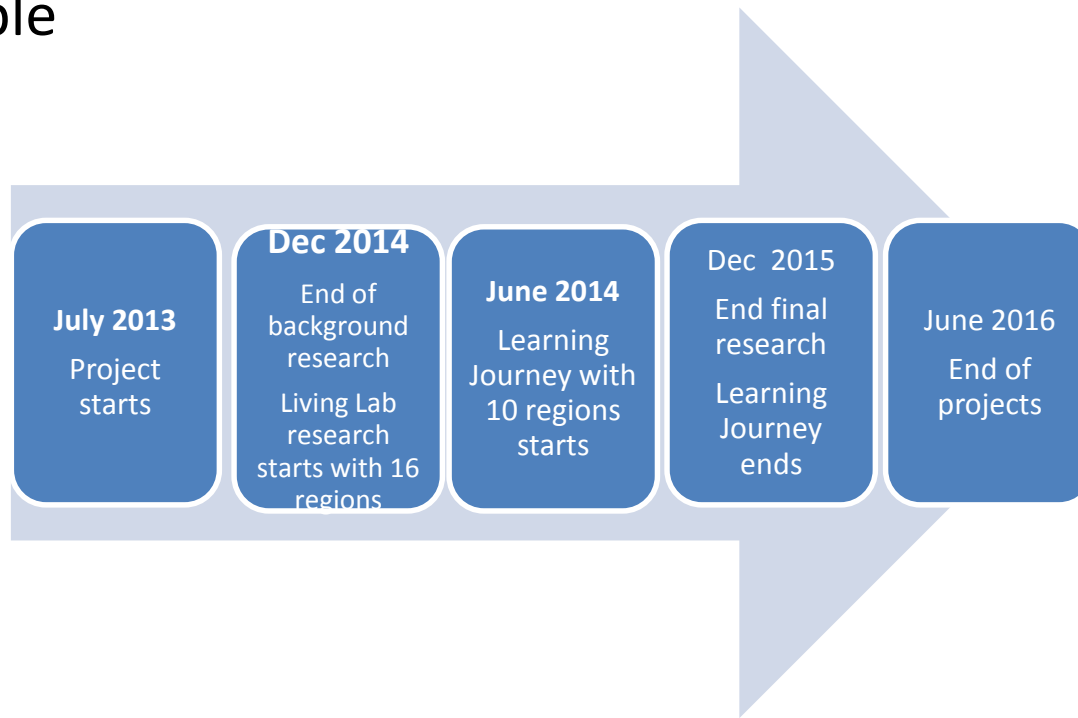- sometimes treated more as a short-term policy

Perceived barriers regionally to EDP

- **The economic crisis** creates an absence of resources that could otherwise have been used as an incentive to get actors around the table.

- On the other hand, **economic incentives are also said to risk to create an unsound interest in the money** rather than the long-term strategy.

- **Lack of time and resources for a long-term engagement**: A real bottom-up process is complicated, sensitive and takes long time. The process might not seem beneficial in the short-term.

- **Difficulty to ensure that you talk to the right actors**. Some are louder and more credible than others, but might not be representative.

- A structure of **many and very small enterprises** that do not have appropriate intermediary bodies.

- The problem **to keep business, especially small enterprises, interest** when results from the process are not evident.

SmartSpec FP7 project

Project Aims

- To strengthen the analytical underpinnings of the concept of Smart Specialisation,
- To generate strategic intelligence for policy-makers, and
- To provide methodological guidance for practitioners
- Timetable

July 2013

Project starts

Dec 2014

End of background research

Living Lab research starts with 16 regions

June 2014

Learning Journey with 10 regions starts

Dec 2015

End final research

Learning Journey ends

June 2016

End of projects

The Team

Partners

- Cardiff University
- Charles University
- Claire Nauwelaers
- ERRIN
- EURADA
- Fundacion Deusto
- Lund University
- Newcastle University
- University of Groningen
- University of Padua
- Utrecht University

Regional Affiliates

- Basilicata, IT
- Bremen, DE
- Eszak-Alfold, HU
- Lodz, PO
- Murcia, ES
- Navarra, ES
- Northern Ireland, NI
- East Sweden, SE
- South Moravia, CZ
- Slovenia, SL

Project Objectives

- To explore the role of organisations and their interaction in the development and implementation of smart specialisation strategies

- To identify institutional and systemic bottlenecks for smart specialisation, and the possible need for reforms

- To assess the challenges for Member States and regions with less developed research and innovation systems

- To explore the link between smart specialisation and social innovation

- To support the production of better metrics for the design, evaluation and monitoring of smart specialisation strategies

- To develop the process of peer review assessment of strategies

Project approach

- Series of integrated Work Packages, exploring
  - PRINCIPLES
    - Entrepreneurial Search Dynamics
    - Social Innovation
    - Regions with less developed research and innovation systems
    - Effective strategy design
  - PRACTICES
    - 16 regional 'living laboratories'
  - PROCESSES
    - 10 Regional affiliates engaged in a 'Learning Journey'
    - Thematic Workshops
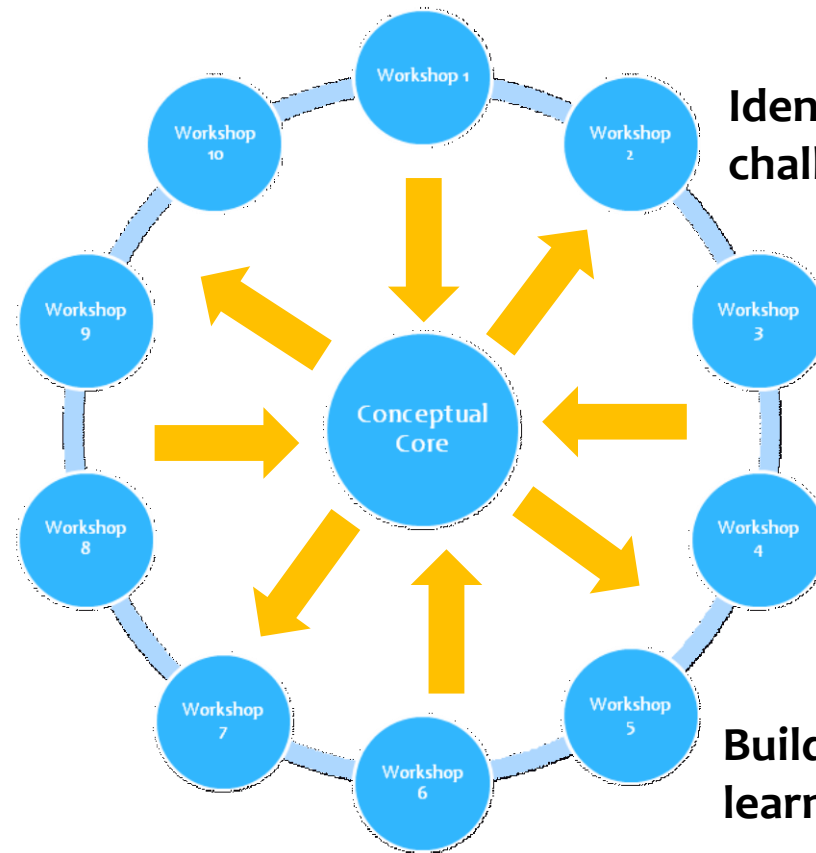
Regional workshops

- Profiling S3 strategies and processes in real regional contexts

- Developing a practitioner/policy interface
  - Universities, Research institutes / Regional agencies

- Developing a thematic knowledge base

- Developing a shared discourse and open access to knowledge and experience

- Developing a Community of Practice

SmartSpec: The learning journey

Linking theory and practice

Identifying practical challenges

Workshop 1
Workshop 2
Workshop 3
Workshop 4
Workshop 5
Workshop 6
Workshop 7
Workshop 8
Workshop 9
Workshop 10

Conceptual Core

Benchmarking conceptual knowledge

Building a learning community

Smart Spec Learning Journey

| Date	Region	Topic		Academic support
26-27 June 2014	**Murcia**	**Monitoring**		**Adrian Healy, Cardiff University**
29-30 Sept 2014	Slovenia (SBRA)	**S3 and Social Innovation**		**Claire Nauwelaers, Independent consultant, Belgium Ranald Richardson, Newcastle University, UK**
27-28 Oct 2014	Lodzkie PL	**Involving businesses in smart specialisation**		**Claire Nauwelaers, Independent consultant, Belgium Jiri Blazek, Charles University, Czech Republic**
20-21 Nov 2014	Bremen	**S3 and the relevance of cluster strategies**		**Bart Los (University of Groningen) Netherlands James Wilson (Deusto Business School) Bilbao Spain Bjorn Asheim (University of Lund) Sweden**
9-10 Dec	Northern Ireland	**Public Sector Innovation**		**Claire Nauwelaers, Independent consultant, Belgium Kevin Morgan, Cardiff University**
19 Jan 2015	Navarra	**Role of Different Institutions in S3**		**John Goddard, Newcastle University, U.K. Michaela Trippl (University of Lund) Sweden Bjorn Asheim (University of Lund) Sweden**
4 Mar 2015	INTERIM	CONFERENCE		PRAGUE
May 2015	South Moravia	**Governance system of S3**		**Kevin Morgan, Cardiff University Jiri Blazek, Charles University, Czech Republic**
June 2015	Basilicata	**S3 and the relevance of cluster strategies**		**Claire Nauwelaers, Independent consultant, Belgium Fiorenza Belussi, Padua University.**
Sept 2015	Eszak-alfold	*Social Innovation - New topic to be agreed*		**Claire Nauwelaers, Independent consultant, Belgium Ranald Richardson, Newcastle University, UK**
Nov 2015	East Sweden (tbc)	**To be discussed**		**Fiorenza Belussi, Padua University. Claire Nauwelaers, Independent consultant, Belgium**
Mar 2016	**Report**			

Thematic seminars

Theme	Lead	Location	Date
Less developed systems	Jiri Blazek	Prague	Oct 2014
The role of H2020 and ERASMUS + in S3 development and delivery	Adrian Healy	Brussels	End April 2015
Clusters and S3	Fiorenza Belussi	Padua	
Connectivity and S3	Rob Huggins	Cardiff	
Value Chains and S3	Philip McCann/Frank van Oort	Groningen	
HE and S3	John Goddard	Newcastle?	
Peer review processes and external expertise	Claire Nauwelaers/Adrian Healy	Brussels	
Metrics, monitoring and evaluation	Claire Nauwelaers	Brussels	
Governance and institutional dynamics	James Wilson	San Sebastian	1/2 Oct 2015
Social Innovation	Ranald Richardson	Newcastle	Oct 2015

Vanguard Initiative
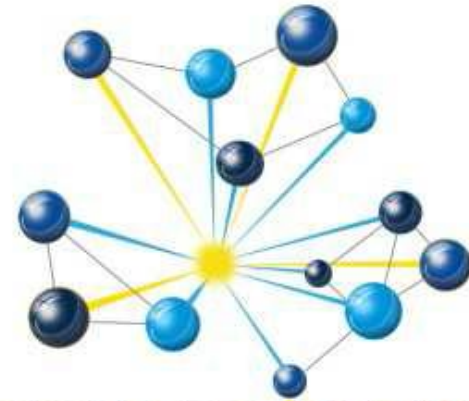
Vanguard Initiative

- In January 2014, the Commission Communication 'For a European Industrial Renaissance' proposed "… to create Smart Specialisation Platforms to help regions roll out smart specialisation programmes by facilitating contacts between firms and clusters, enabling access to the innovative technologies and market opportunities". Seizing this opportunity, the Vanguard Initiative regions decided to:
  - Foster an action-oriented discussion on how to develop a Smart Specialisation Platform (SSP) for Advanced Manufacturing (SSP-AM)
  - Generate, agree and commit to a series of actions to establish a clear roadmap and set of proposals for the establishment of a Smart Specialisation Platform, Advanced Manufacturing – SSP-AM.

- The Vanguard Initiative partners are committed to the creation of a platform which gives an impetus to the advanced manufacturing 'community' to generate bottom-up ideas, support synergies and alignment at inter-regional level and create a 'new space' for industry engagement. It will build on and go beyond existing efforts to support this ambition by a <u>focus on the smart specialisation priorities</u> of the partner regions.

- http://www.s3vanguardinitiative.eu/sites/default/files/contact/image/final_ssp_advanced_manufacturing_scoping_paper_may_2014_3_0.pdf

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Smart Specialisation Platform for advanced manufacturing

- Learn

- Connect

- Demonstrate

- Upscale

- Source: Technopolis Report , May 2014

Figure 8 : Illustrative rationale for an SSP from perspective of different stakeholders
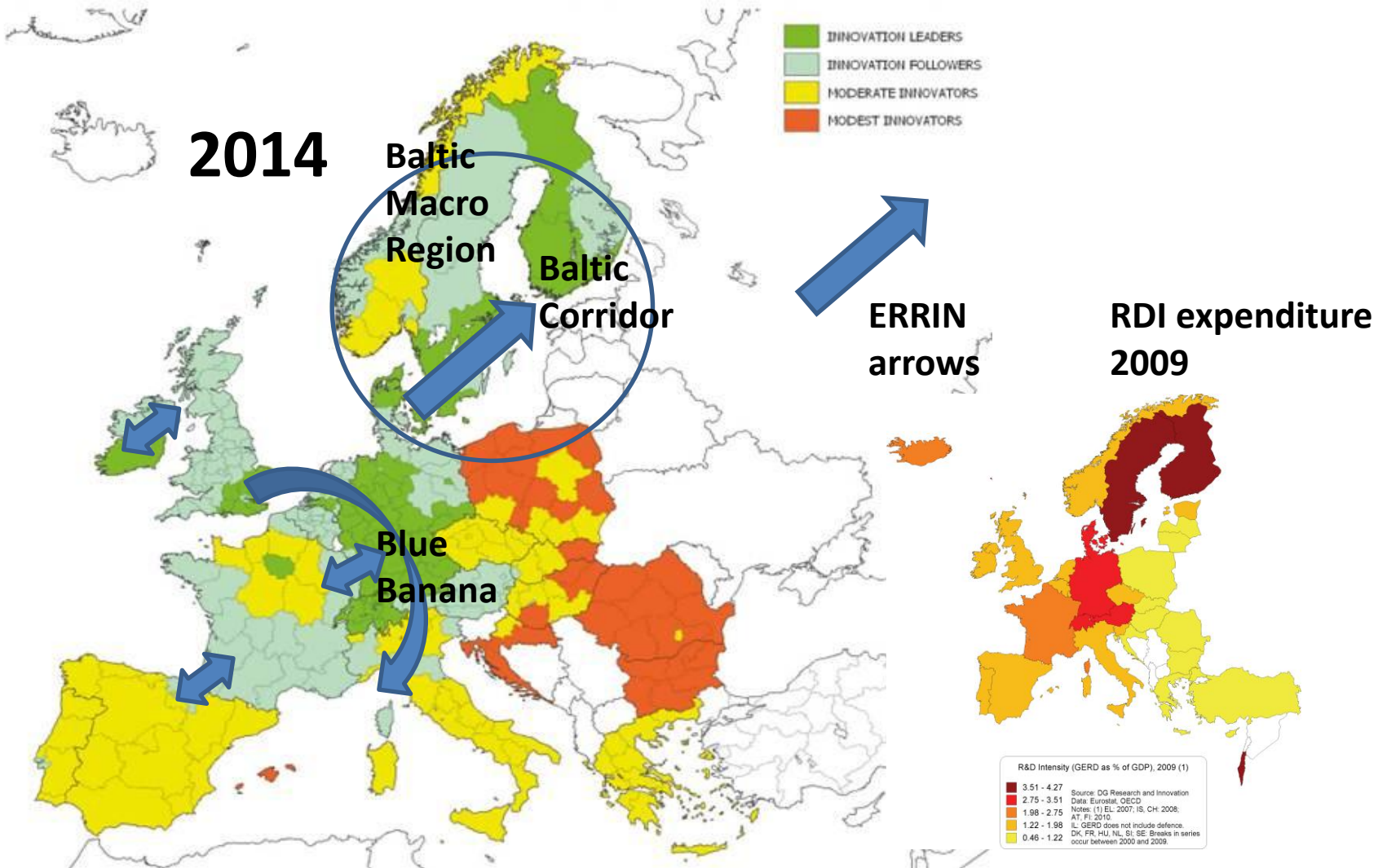
Function	Industry	Research	Education	Public sector
Learn	• Identification of new markets for ADMA products or technologies • Sourcing new suppliers or technology partners	• Expanding existing networks of co-operation • Identification of complementary equipment	• Identify similar or matching course offerings in other regions and learn from good practice	• Policy benchmarking as input to RIS3 implementation • Alignment of RIS3 to favour inter-regional specialisation
Connect	• Match-making opportunities allowing strengthening of inter-regional supply chains, etc.	• Promotion of testing, research and prototyping services at inter-regional level • Access to complementary expertise	• Co-development of new Masters curricula with industry and other regions' education institutes	• Development of new joint programmes in specific ADMA niche (cost-sharing and expertise pooling)
Demonstrate	• Co-investment with inter-regional consortia in ADMA opportunities • Access to public funds (EIB, etc.) for pilot plants and demonstrators	• Provision of contract research or testing services to industrial demonstrators or pilot plants at inter-regional level	• Piloting of e-learning or international Masters courses on cost-sharing basis with other regions	• Co-investment with other regions in pilot plants and industrial demonstrators
Upscale	• Access to larger inter-regional market for new ADMA products and technologies • Learning from exposure to international markets	• Increased revenue from licensing of technologies • Enhanced scientific specialisation in ADMA technologies	• Improved position as specialist training centre in emerging ADMA niche	• Optimised use of public funds invested in pilot plants and research & innovation infrastructure

Regions and Innovation: Collaborating across Bordiers OECD 2013

- Why and when does it make sense to collaborate cross-border for innovation?

- How can public and private actors work together cross-border (governance)

- What are the policy instruments for cross-border collaboration?

- http://www.oecd.org/regional/regions-and-innovation-collaborating-across-borders.htm

Regional Innovation Scoreboard

Figure 2: Regional performance groups RIS 2014

2014

Baltic Macro Region

Baltic Corridor

Blue Banana

ERRIN arrows

RDI expenditure 2009

INNOVATION LEADERS
INNOVATION FOLLOWERS
MODERATE INNOVATORS
MODEST INNOVATORS

Why and when?

- There must be compelling reasons and costs weighed against benefits
  - Acting beyond borders as innovation does not stop at borders
  - Borders as bridges – supports global networking
  - Borders as opportunities – proximity, critical mass, complementarity
  - Defining a functional region vs administrative region
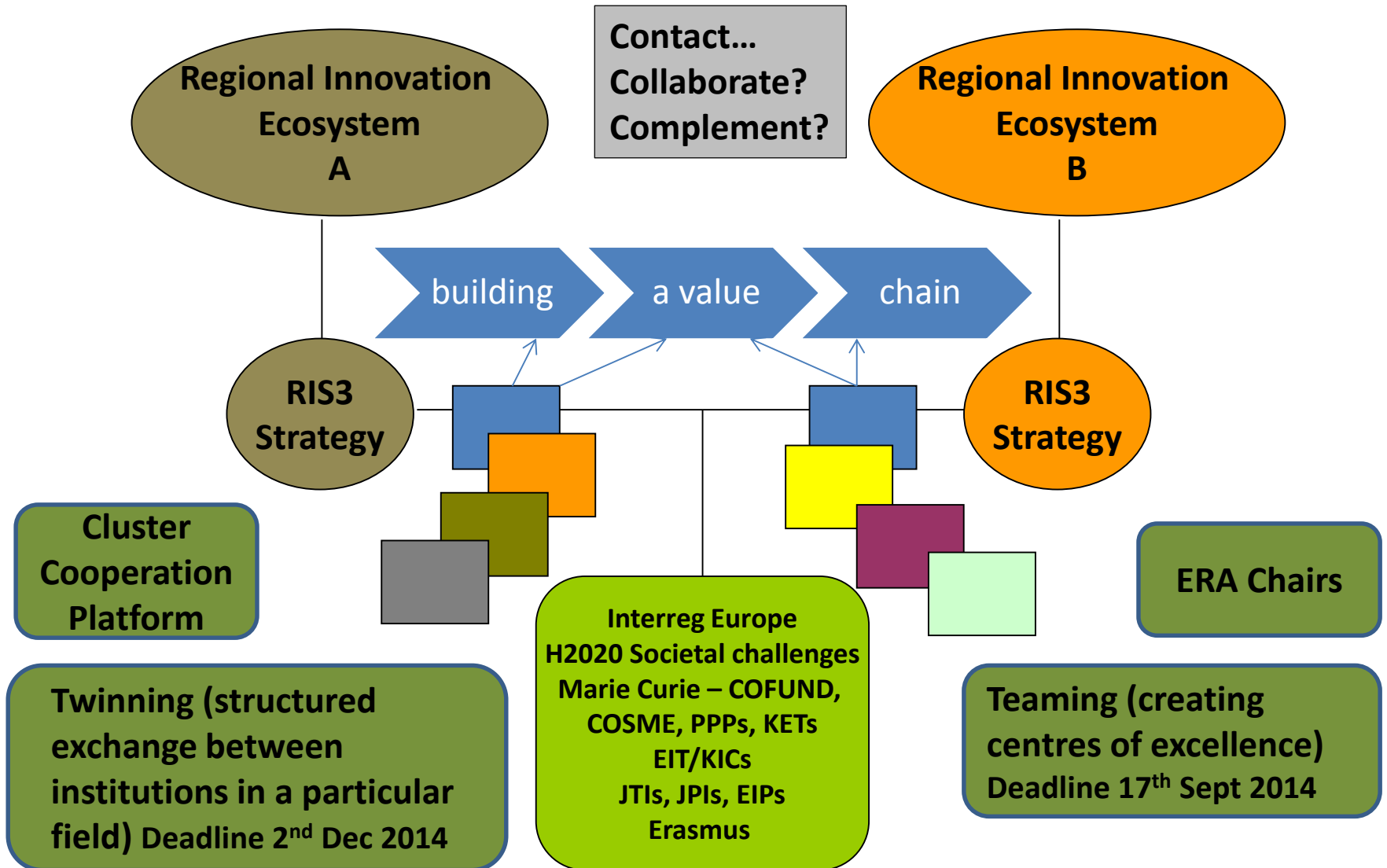 - Checklist of ten conditions
- Ten conditions

Ten conditions

1. Geographic accessibility
2. Socio-cultural proximity – language and culture
3. Institutional context – regional competences match/legal systems
4. Cros-border integration – flows of workers
5. Economic specialisation – complementarity of industrial sectors – see RIS3 Benchmarking tool
6. Business innovation model – innovation based strategies, not low cost model
7. Knowledge infrastructure - research and educational institutions
8. Innovative systems interactions – actors/ boundary spanners
9. Governance – degree of political and financial commitment
10. Policy Mix – orientation of the innovation policy
11. OECD Regions and innovation: collaborating across borders 2013: p20

Cross-border collaboration – recipe for success?

- **La fusion Nord-Pas-de-Calais - Picardie, une «aberration» pour Martine Aubry**

- **Liberation newspaper 16 July 2014**

- *La maire de Lille ne veut pas que sa région, le Nord-Pas-de-Calais, fusionne avec la Picardie, «La création de grandes régions est faite pour donner à ces nouvelles collectivités les atouts permettant leur développement... Or le Nord-Pas-de-Calais et la Picardie, du fait de leur situation économique et sociale particulièrement difficile, n'ont pas cette capacité... »*

Regional Partnerships

Regional Innovation Ecosystem A

Contact…
Collaborate?
Complement?

Regional Innovation Ecosystem B

building → a value → chain

RIS3 Strategy

RIS3 Strategy

Cluster Cooperation Platform

Interreg Europe
H2020 Societal challenges
Marie Curie – COFUND,
COSME, PPPs, KETs
EIT/KICs
JTIs, JPIs, EIPs
Erasmus

ERA Chairs

Twinning (structured exchange between institutions in a particular field) Deadline 2nd Dec 2014

Teaming (creating centres of excellence) Deadline 17th Sept 2014

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THANK YOU !

for listening

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