



ERRIN European Regions
Research and Innovation Network

Strengthening regions' research and innovation capacities: synergies between smart specialisation and Horizon 2020

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Director
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EU – time to reboot

“With Europe facing the deepest and longest economic crisis in its recent history, we need a reboot. We need to focus on those policies that strengthen Europe, that will return us to **growth and create more and better jobs**.

Countries that have invested more in research and innovation have weathered this current crisis better in terms of growth and employment. Research-intensive firms compete better in global markets. So an innovation economy promises competitiveness and greater resilience against shocks in the future.

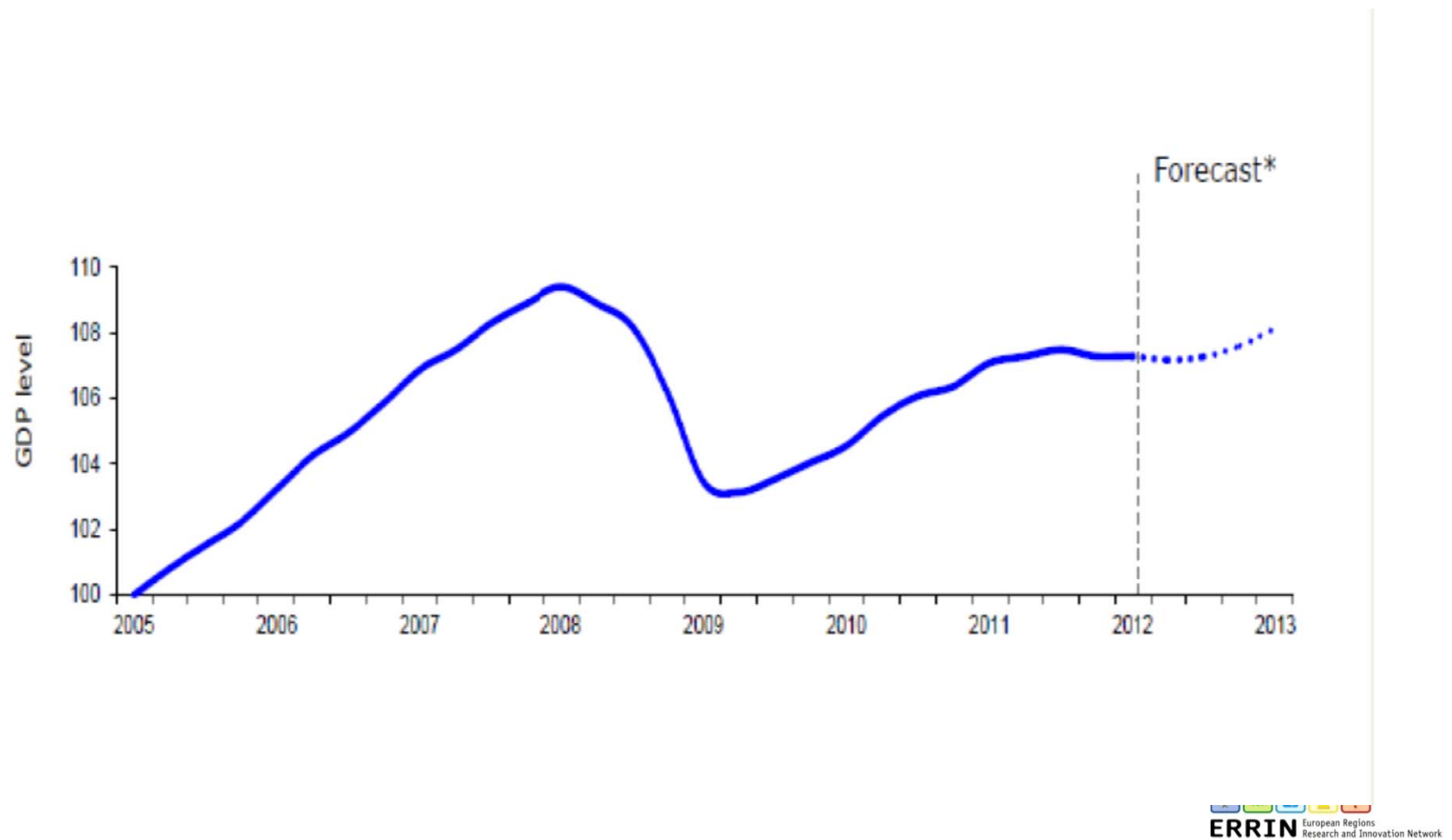
Innovation Union, introduced in 2010, is the Commission's roadmap for boosting Europe's innovation capacity. It focuses on putting in place the conditions that will **smooth the path from lab to market**, from excellent research to new products and services that can be sold around the world...

To make this new programme work, we need cooperation across Europe. Local and regional authorities are key partners in designing and delivering Horizon 2020...”

Máire Geoghegan-Quinn, European Commissioner for Research, Innovation and Science, March 2013

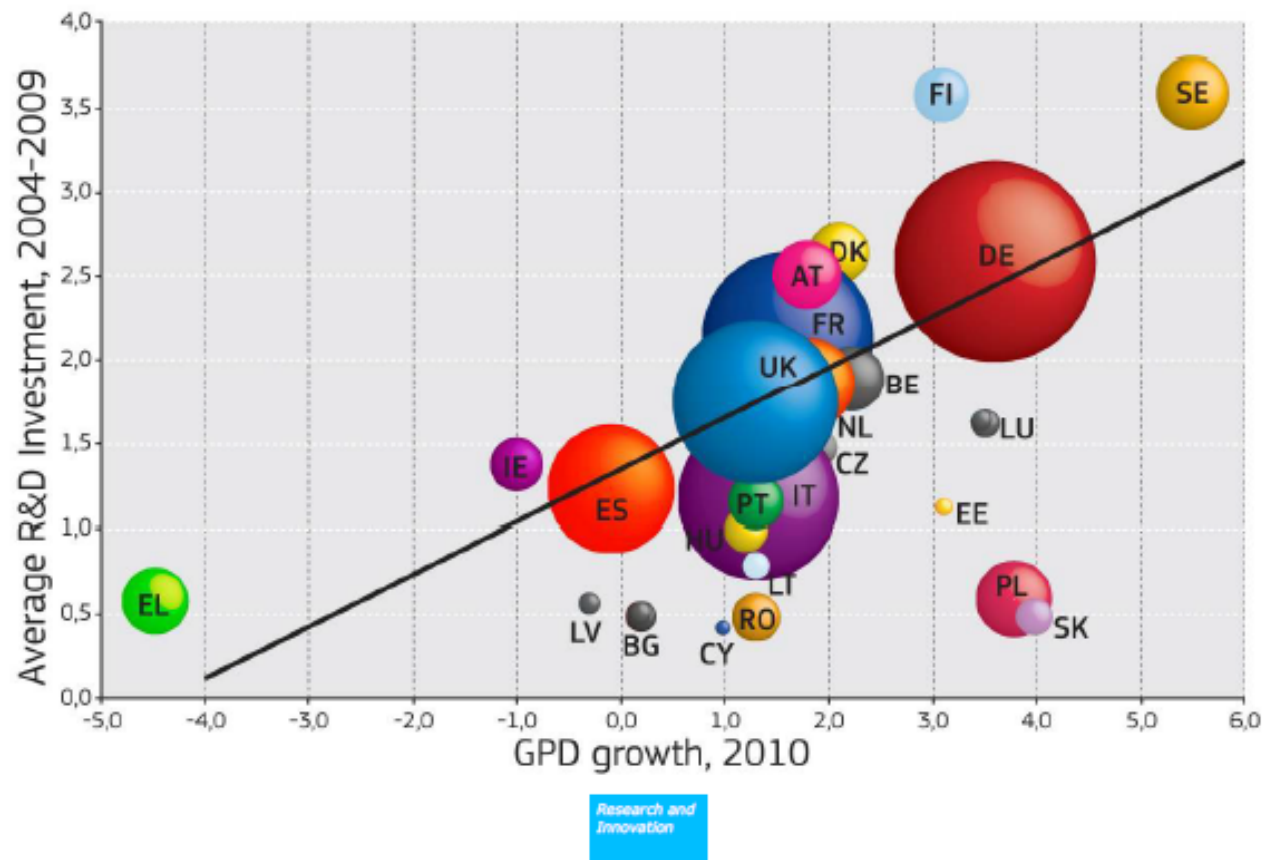
<http://www.randstadregion.eu/20-jaar-regio/20-jaar-regio/time-to-reboot-our/#backlink>

Restoring growth...

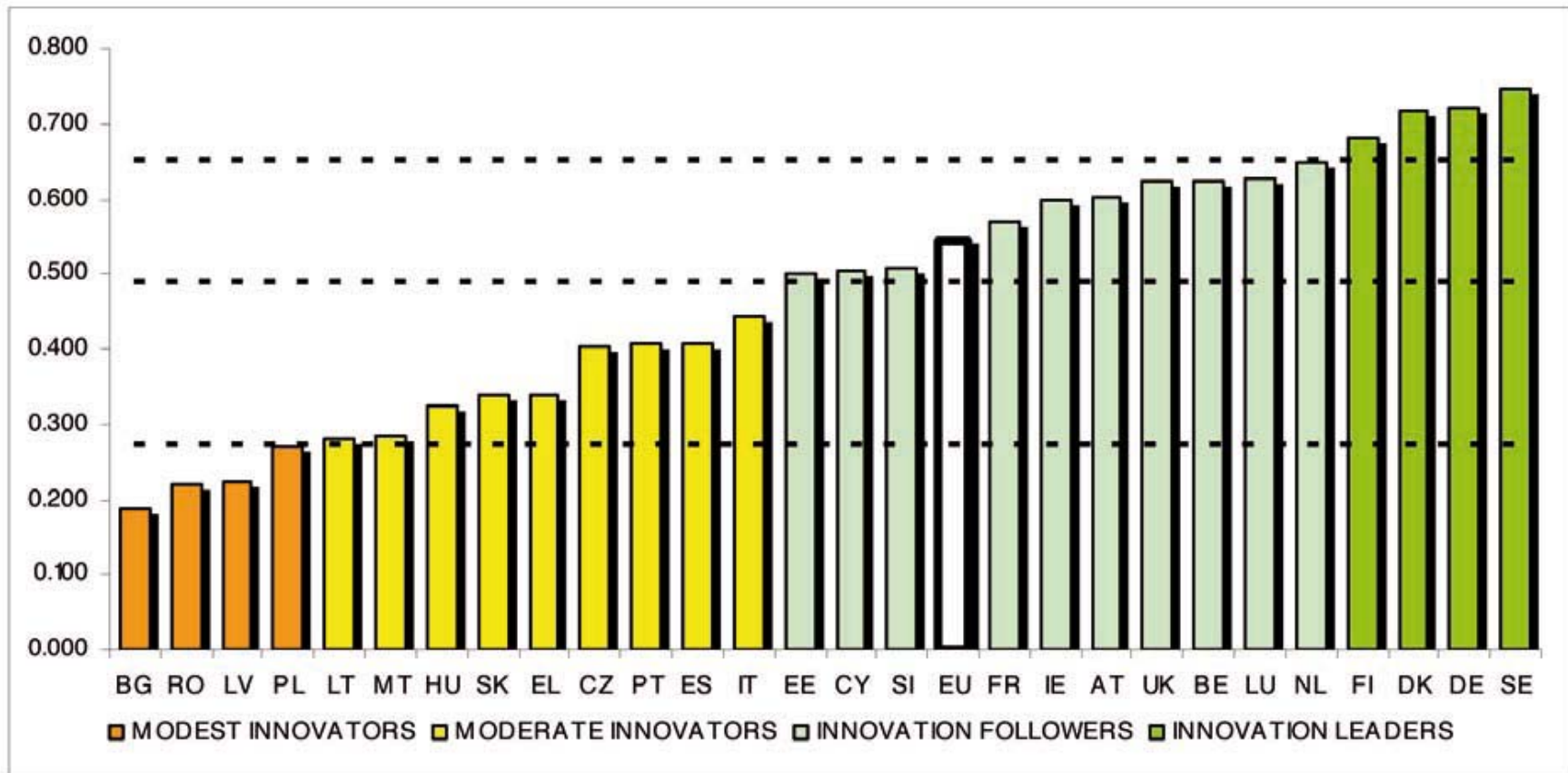


Why Horizon 2020

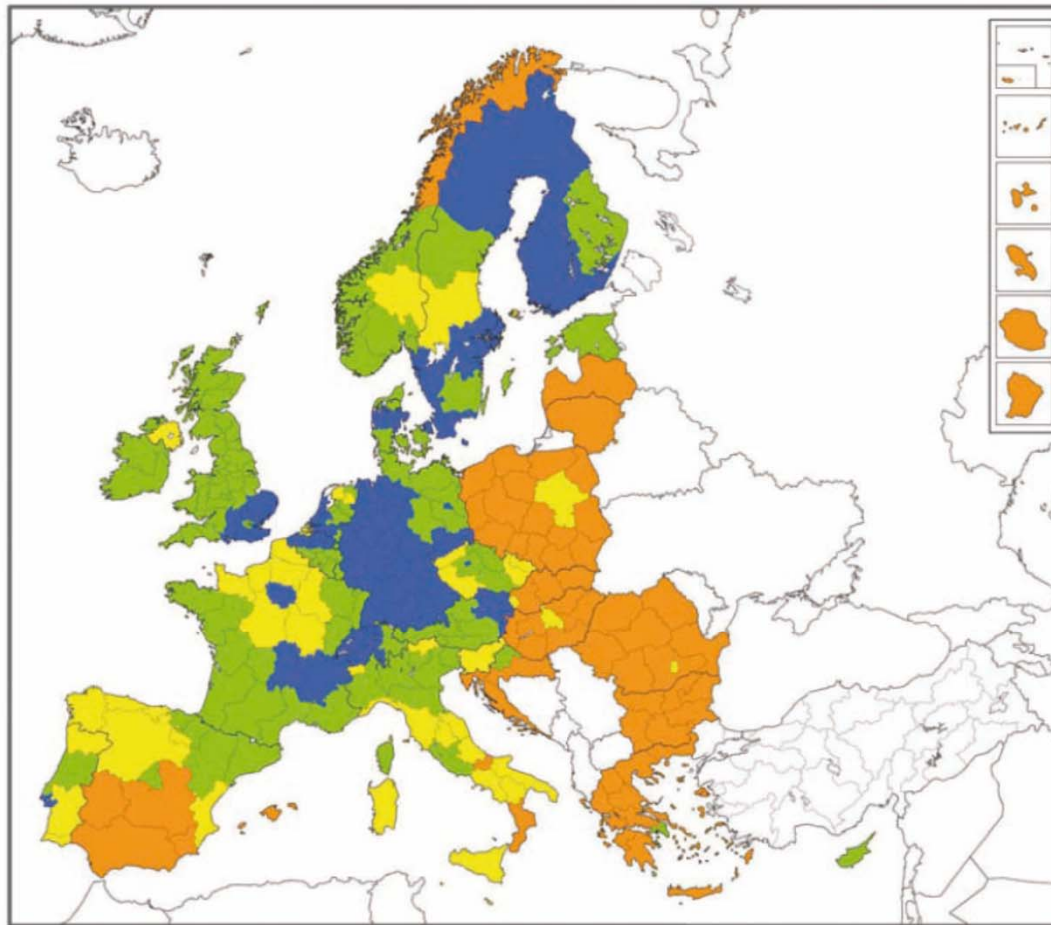
Investment in R&D is part of the solution to exit from the economic crises



Innovation scoreboard 2013



Regional innovation

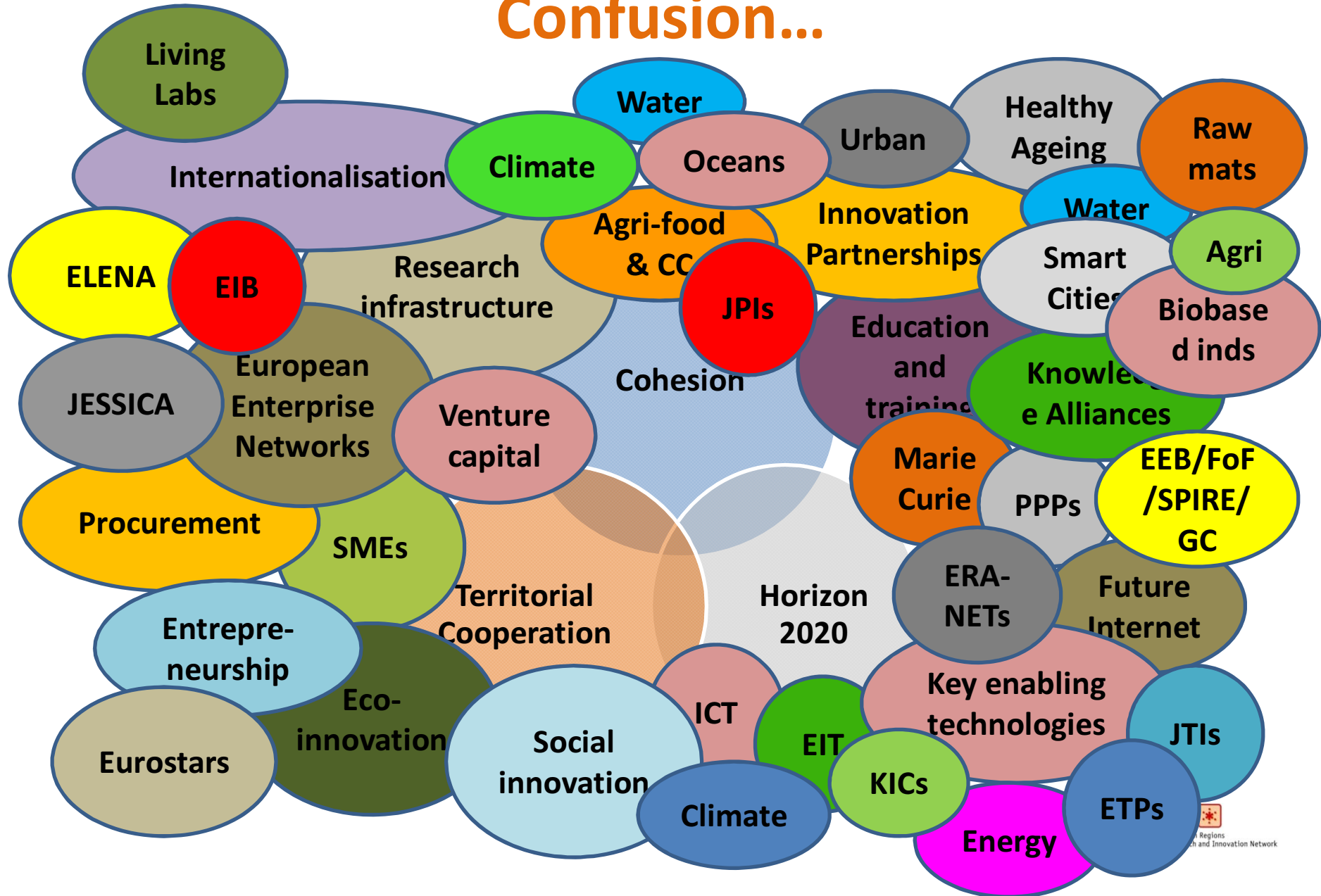


The EU Member States Cyprus, Estonia, Latvia, Lithuania, Luxembourg and Malta are not included in the RIS analysis. Group membership shown is that of the IUS 2011(Cyprus, Estonia and Luxembourg are innovation followers, Malta is a moderate innovator and Latvia and Lithuania are modest innovators). Map created with Region Map Generator.

Key messages

- Key focus of EU policy (Europe 2020 Strategy)
 - Competitiveness, Jobs and Growth
- Competitiveness driven by research and innovation
- More emphasis in R+I policy and therefore more funding
- Two major sources of future funding for research and innovation
 - Structural funds
 - Horizon 2020
 - Plus other related funding opportunities
- Key role for regions - synergies

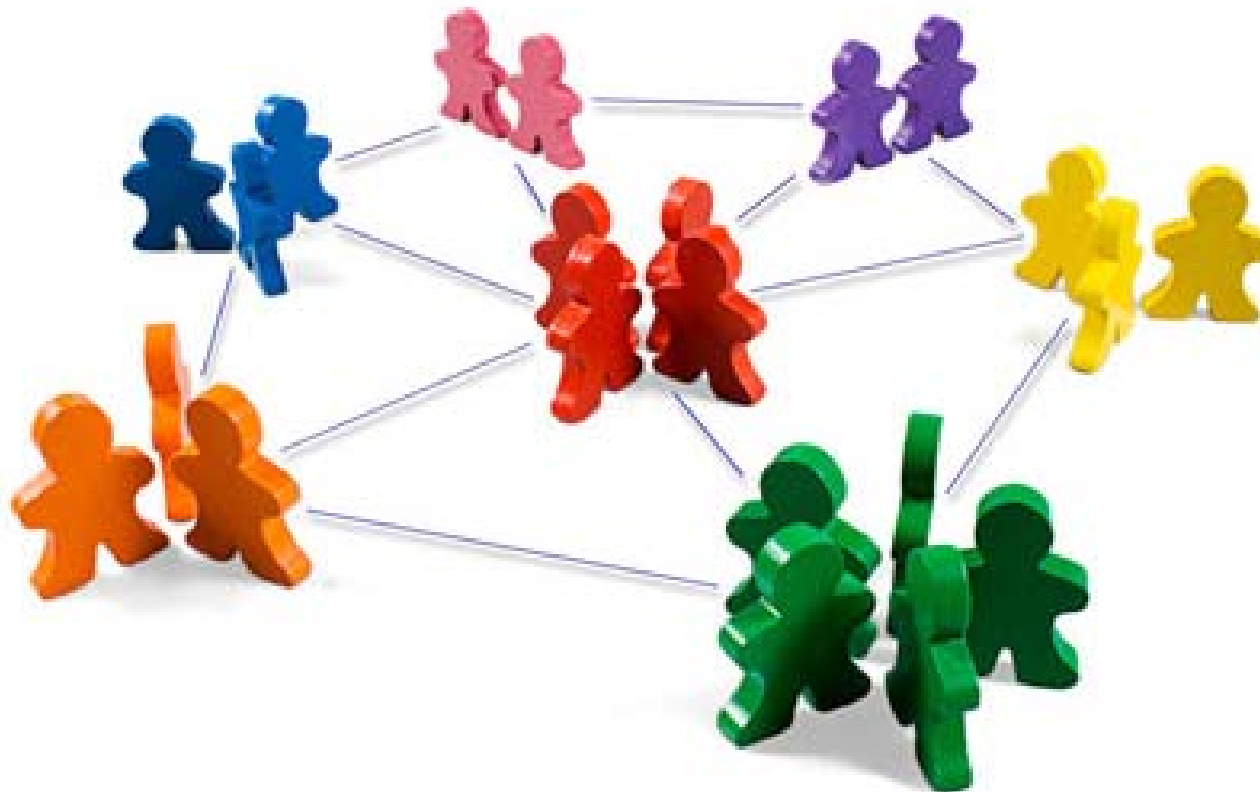
Confusion...



Outline

- ERRIN
- Europe 2020 and the flagships
- Structural Funds
- Horizon 2020
 - Strategic directions 2014-2016
- Regional innovation ecosystems
 - Smart specialisation
- Conclusions

ERRIN is a **Brussels-based** platform of **regions** strengthening regional **research and innovation** capacities by exchanging information, sharing best practice, supporting **project development**, **policy shaping** and **profile raising**.



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



Four Ps

Working together inside ERRIN
and with other networks e.g.



13 thematic
working
groups

SmartSpec FP7
project with ten
ERRIN regions

Supporting project development and
engaging ERRIN regions in EU projects

Policy

Shaping
EU Research & Innovation
policy

Policy
working
group

Partner-
ship

2 ERRIN
events per
week 2012

Projects

Profile

Raising the profile of ERRIN
and member regions in Brussels

ERRIN activities

- 15th April: Brainstorm on ERRIN INNO-KIC collaboration (ERRIN only)
- 15th April: Smart specialisation WG (ERRIN only)
- 16th April: Bioeconomy, food and agriculture WG (ERRIN only)
- 17th April: Europe 2020, Regional Innovation Strategies (with RIM+, Europe2020Regions Network) Brussels (open to all)
- 18th April: Health WG (ERRIN only)
- 24th April: Energy and CC WG (ERRIN only)
- 29th April: Policy WG (open to all ERRIN members)
- 2nd May: ICT WG (ERRIN only)
- 14th May: Smart Cities with EURADA (open to all)

RIM Plus

- The main objective of the RIM Plus is to help regions to improve their innovation policies based on better and harmonised policy intelligence.
- Launched in 2010, the project has made an important contribution to integration of information about innovation strategies and policies across some EU 200 regions.
- It also performed a series of analytical activities which led to the preparation of annual, regional and thematic reports, all of which are available on the project website (www.rim-europa.eu).

RIM Plus new services

1. involving the regional stakeholders in the validation of collected information;
2. establishing a network of regional experts with thematic specialisation;
3. developing long-term strategy;
4. providing practical guidance to regions on how to use the collected information (knowledge-hub);
5. organising specialised workshops taking into account the relevance and potential interest among the regional innovation policy makers;
- 6. strengthening communication and dissemination; and**
7. undertaking visits to regions with the view to establishing working relations and promoting the RIM Plus services.

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<http://ec.europa.eu/enterprise/policies/innovation/policy/regional-innovation/monitor>

Workshops and innovative showcase events

- Target audience:
 - Experts with the thematic with the thematic knowledge and experience (e.g. managers of specific types of programmes, policy makers within the regional administration or practitioners from other relevant organisations)
- Themes:
 - Launch of Regional Innovation Monitor Plus and linking regional innovation strategies to Europe 2020 strategy (April 17th 2013)
 - Bioeconomy and bioregions (June 2013)
 - Engaging the private sector for smart specialisation
 - Financial instruments and innovation support services
 - Eco-innovation
- Innovative showcases events: hosted by a region active in specific field/policy area, organised on annual basis, and linked with to other events, e.g. CoR Europe 2020 conference “Innovation Union”


Future EU policy: competitiveness, jobs and growth

- Europe 2020 Strategy
 - smart, through more effective investments in education, research and innovation;
 - sustainable, thanks to a decisive move towards a low-carbon economy;
 - inclusive, with a strong emphasis on job creation and poverty reduction.
- 5 ambitious goals in the areas of employment, innovation, education, poverty reduction and climate/energy.
- 7 flagship initiatives – roadmaps/concrete initiatives

Europe 2020: 7 flagships

Smart growth	Sustainable growth	Inclusive growth
<i>Innovation Union</i>	<i>Resource efficient Europe</i>	<i>New skills for new jobs</i>
<i>Mobility – Youth on the move</i>	<i>Industrial policy for the globalisation era</i>	<i>European platform against poverty</i>
<i>Digital Agenda</i>		

Innovation Union at a glance

1. Training researchers	2. University ranking system	3. Developing new curricula	4. ERA Framework	5. European Research infrastructures	6. Programmes focusing on EU2020	7. Involvement of SMEs in R&I
8. Forum on Forward Looking Activities	9. EIT to expand its activities	10. New financial instruments for private finance	11. Free Venture Capital funds	12. Cross-border matching of innovative firms	13. Review of State aid R&D&I	14. EU Patent
15. Screening of key regulatory frameworks	16. Modernise standard-setting	17. Pre-commercial and public procurements	18. Eco-innovation action plan	19. European Design Board	20. Open access	21. Knowledge transfer
22. European market for patents and licensing	23. Safeguard of IPRs	24. Smart Specialisation	25. Focus on Innovation in the next Structural Funds	26. European Social innovation pilot	27. Research programmes on public sector and social innovation	28. Partners consultation on knowledge economy
29. European Innovation Partnerships	30. Policies for researchers to reside in Europe	31. Scientific cooperation with third countries	32. International agreements on research infrastructures	33. MS to carry out self assessments	34. New indicator for fast-growing companies and monitoring	 European Regions Research and Innovation Network

Flagship initiatives

- Committee of the Regions organising seven workshops on flagships 2012-2013
 - Innovation Union 27th November 2013
- Findings of conferences will play into Committee of the Regions position on the review of Europe 2020 (2014?)

Future EU programmes

Structural Funds

- Inside region
- Funding predictable
- Smart specialisation
- Operational programme
- Priorities
- Capacity building
 - Innovation eco-systems
 - Partnerships

Horizon 2020

- Working outside region
- Focus on excellence
 - Unpredictable funding
- Understand
 - Policy
 - Calls/ Work programmes
- Develop projects
 - Partnerships
 - 43% of FP7 projects include UK partners

Synergies



Synergies on the ground: coordinating the implementing Rules between H2020 and the SF

Facilitating linkages and concerted efforts

- **A common programming period of seven (7) years** makes easier synchronisation of funding and provides for better planning with a strong potential for real synergies
- **Distinct objectives but the same strategic goals** of serving the Europe 2020 strategy for smart, sustainable and inclusive growth
- **Harmonisation of cost eligibility rules between Horizon 2020 and CP** (Lump sums, flat rates and unit costs possible under both for funding direct and indirect costs without providing documents proving real expenses, harmonisation of VAT rules)
- **Possibility to combine CP and Horizon 2020 funding** (and from other Union instruments) in same project for different expenditure items, which opens the way to combined funding of individual Horizon 2020 projects (Art. 55(8) of proposed Gen.Reg.)

Future research and innovation opportunities

Structural funds

- Smart specialisation
- Thematic concentration
- 11 priorities but with 80% on:
 - Strengthening Research, Technological Development of innovation
 - Enhancing access to and use of ICT
 - Enhancing the competitiveness of SMEs
 - Supporting the shift towards a low carbon economy

Horizon 2020

- Three pillars
- Coordinating other funding mechanisms
- Shift to innovation and focus on competitiveness, jobs and growth
- Different funding instruments

Proposed future budget 2014-2020

Structural Funds

- **€162.6 billion** for convergence regions,
- **€38.9 billion** for transition regions,
- **€53.1 billion** for competitiveness regions,
- **€11.7 billion** for territorial cooperation
- **€68.7 billion** for the Cohesion Fund

Horizon 2020

- **€80 billion**
- Strengthen the EU's position in science with a dedicated budget of **€24.6 billion**.
- Strengthen industrial leadership in innovation **€17.9 billion**. This includes major investment in key technologies...
- Provide **€31.7 billion** to help address societal challenges

Regional typology

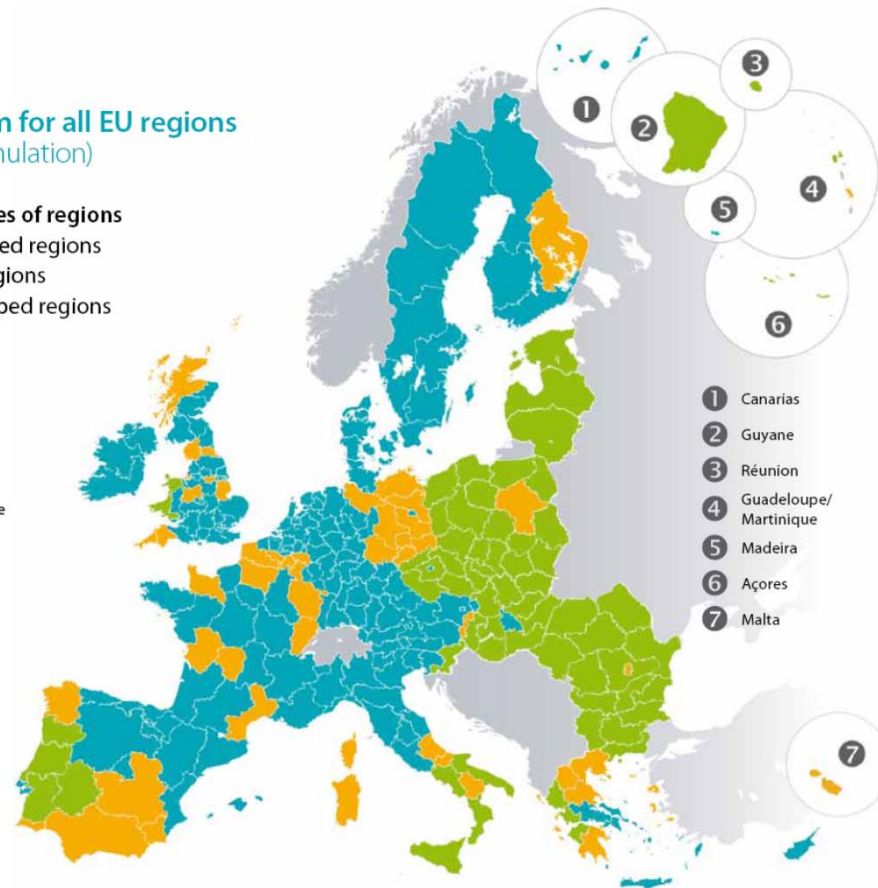
A fair system for all EU regions
(eligibility simulation)

Three categories of regions

- Less developed regions
- Transition regions
- More developed regions

GDP/capita*
■ < 75 % of EU average
■ 75-90 %
■ > 90 %

*Index EU27=100



Combining structural funds and Horizon 2020



Clarity of design based on future resources

Structural funds provides the structure

**Research and innovation funding
Completes the structure...warning it is competitive!
Can you finish the building...**



Widening opportunities under Horizon 2020

- **PPPs** – Future Internet, Green Vehicles, Factories of the Future, Energy Efficient Buildings, *SPIRE, photonics and bio-based industries*
- **JTIs** – Fuel Cells and Hydrogen, Innovative Medicines...
- **Article 185** – Ambient assisted living, Eurostars...
- **EIPs** – Healthy Ageing, Water, Smart Cities, Raw materials, Agriculture
- **EIT /KICS** – Climate, ICT, Energy, Food, Raw Mats and Healthy Ageing
- **KETs** – ICT, nano, bio, advanced materials...
- **JPIs** – Urban, Climate...

KETs

- Supporting R&I in the KETs: micro and nano electronics, photonics, nanotechnologies, advanced materials, biotechnology, advanced manufacturing and space
- Support for large scale pilot lines and demonstrator projects

Bio-based industries PPP

- Industry commitment 2014-2020
- Industry investment of €2.8 billion
- Vision
 - Shift to post-petroleum society and decoupling economic growth from resource depletion
 - Optimise land use and food security
 - Advanced transportation fuels
 - Chemicals
 - Materials
 - Food and feed
 - Energy
- Strategic research and innovation agenda
- No direct funding

European Innovation Partnership 'Agricultural Productivity and Sustainability'

- The key challenge for agriculture in future is not only to produce more, but also to do this in a sustainable manner. These challenges will not be resolved without a major push towards embracing research and innovation – and in particular in bringing researchers, farmers and other players closer together so that we can accelerate the speed of technological transfer from science to farming practice, and provide more systematic feedback about practice needs from farming to science

European Innovation Partnership 'Agricultural Productivity and Sustainability'

- The EIP will reinforce the position of Union agriculture as a competitive and resource efficient sector and contribute to more sustainable forestry and land use practices. Up-stream and down-stream sectors that provide "green" technologies to primary producers must be integrated in the EIP and will also benefit.
- The value-added of the EIP lies, first, in its potential to focus existing policies towards innovation and, second, in its nature as a dynamic platform linking farmers, stakeholders, and researchers. Implementation will be channelled through operational groups as key acting entities, involving actors such as farmers, scientists, advisers, NGOs, and/or enterprises...

Horizon 2020: the first three years

- Key drivers
- Strategic programme

Key drivers

- Focusing on **societal challenges** with high potential for sustainable competitiveness, innovation and growth
- Using dedicated measures to leverage and boost **industry/SME engagement**
- **Access to finance**
- Developing **new knowledge** and contributing to skills
- Boosting **deployment of KETs**
- Tackling the **research and innovation divide**
- Supporting **strong partnerships** with Member States
- Strategic approach to **international cooperation**



ERRIN European Regions
Research and Innovation Network

Horizon 2020
The Strategic
Programme

Twelve
Focus areas

Personalising health and care

Sustainable food security

Blue growth: unlocking the potential of the oceans

Smart cities and communities

Competitive low-carbon energy

Energy Efficiency

Mobility for growth

Waste

Water innovation: boosting its value for Europe

Overcoming the crisis

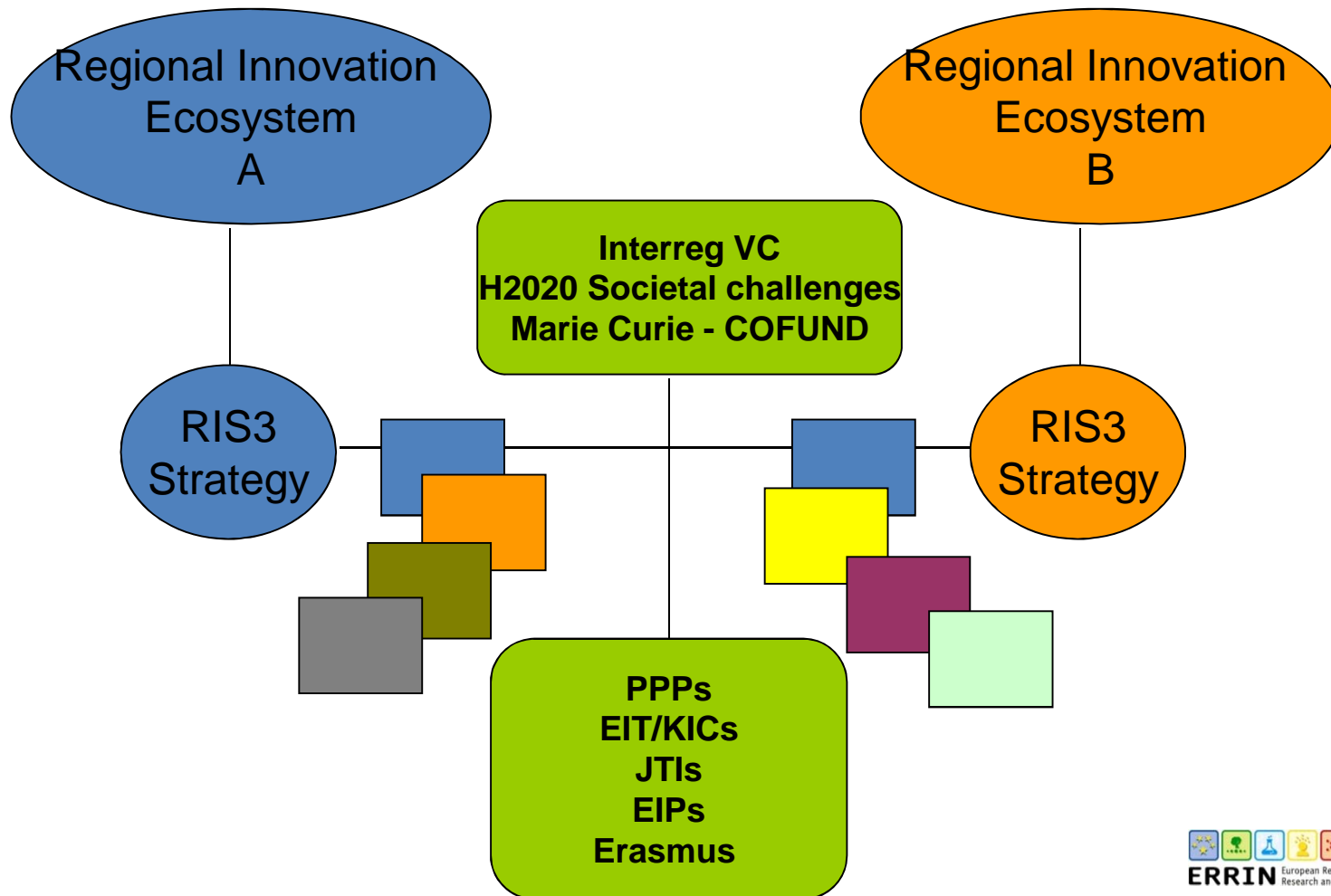
Disaster-resilience

Digital security

Regions and research and innovation

- Regions play a key role in:
 - Developing regional innovation eco-systems
 - Quadruple helix structures
 - Living labs
 - Infrastructure
 - Education and training
 - Entrepreneurship and start ups, clusters, Chambers of Commerce...
 - Procurement, social innovation, regulation, standardisation...
 - Supporting proximity driven and place-based research
 - FP7/Horizon 2020, Marie Curie, COST...
 - Mobilising local actors
 - Strategic thinking such as smart specialisation
 - Internationalisation strategies

Regional Partnerships



Conclusions

Structural funds

- Smart specialisation
- Operational programmes
- Capacity building
- Opportunities to mix funding

Horizon 2020

- Societal challenges
- Industrial leadership
- SME programme
- Related funding programmes, EIT, PPPs, EIPs

Strategic dimension

- Linking smart specialisation to wider EU opportunities
- Policy
- Position
- Profile

Opportunities...





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for listening

