Regions, smart specialisation and synergies

Richard Tuffs, Director ERRIN

Aligning implementation of RIS3 and H2020 Funding across research priorities

9th March 2017

www.errin.eu
Outline

• Brief overview of ERRIN
• Developing regional and city innovation ecosystems
  • Triple helix, quadruple helix...Open Innovation 2.0
• Developing synergies
  • Seeking synergies
  • Smart specialisation
    • Platforms and strategic clusters
• New roles at the regional level
  • Possible new intermediaries
ERRIN

- **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**, with over 120 members, helps regions get their **voice heard** in Brussels and supports the implementation of the **Europe2020 Strategy**, the **Innovation Union** flagship initiative, **Smart Specialisation** and **Widening Participation**.
ERRIN Purpose

• To contribute to and shape European Research and Innovation Policy from a place-based (city/regional) perspective.

• To promote research and innovation as key drivers of a competitive EU economy contributing to economic, social and territorial well-being.

• To support regional and other place-based stakeholders improve their research and innovation capacity through the construction of effective regional research and innovation ecosystems.
ERRIN Four Ps

Influencing EU Research & Innovation Policy

Supporting project development and engaging ERRIN regions in EU projects

Raising the profile of ERRIN and member regions in Brussels

FP9 Cohesion Policy Synergies Smart Specialisation Innovation Council

Working with our members Joint events – EURADA/ERRIN and AER/ERRIN... MoUs - Quebec

Average of +2 events/invitations to speak per week

Project Brokerage sessions: ‘Going Green in Seventeen’ 19th Jan 2017

Partner Searches on website www.errin.eu

ERRIN in ‘SmartSpec Project’ with ten ERRIN regions

Projects

Policy

Profile

Partnership
ERRIN Working Groups 2016

- Energy & Climate Change
- Bio-economy/Food & Agri
- Health
- Water/Process Industry
- Transport
- Smart Cities
- Tourism
- Advanced manufacturing/Nano
- Blue Growth
- Design & Creativity
- ICT
- Opening Science

Innovation & Investment
Smart Specialisation
Policy
The call for synergies

• Building meaningful interactions between the two policy frameworks and their investment strategies can have significant impacts on the economy, combining place-based innovation investments in smart specialisation priorities with world-class research and innovation initiatives, thus ensuring a higher impact of the funds.

• Fostering synergies will not only bring about better efficiency, it will ultimately lead to a positive impact on jobs, growth and competitiveness across Europe's diverse regions – a positive impact from investing more in developing regional research and innovation capacities, the drivers of economic growth in the Union.
Achieving synergies

• Joining up inside the region
  • Triple/Helix models
  • Smart specialisation strategies
    • EDP
  • Stakeholders
    • Universities
    • Industry
    • Government
    • Civil society
  • Key issues
    • Governance
    • Monitoring
    • Evaluation

Joining up outside the region
  • Interreg projects
  • Smart Cities
  • Strategic Cluster Partnerships
  • S3 Thematic Platforms
  • Vanguard Initiative
  • Other EU funding
  • Networks
    • ERRIN, etc.
    • Science and University networks
    • ...

How to do it? Who does it?

Bringing people and programmes together for mutual benefit
Joining up inside the region

Capacities needed for regions to move from ‘disconnected’ to ‘connected’ regions

- Needs investment in human capital and infrastructure for research
- Needs consistent policies and strong institutions

**Generative Capacity**
- Research labs
- Talent attraction
- Universities

**Absorptive Capacity**
- Private sector investment
- Clusters
- Critical mass

**Collaborative Capacity**
- Networks and associations
- Joint projects and shared facilities

**Leadership Capacity**
- Boundary spanners
- Ability to create a shared vision for the future
Capital of Innovation
Smart specialisation: three dimensions

University dimension
Solving grand challenges
‘Captured by universities?’

Societal challenge

Growth and jobs

Territorial development

Economic approach
Entrepreneurial
Discovery Process
SMEs
Clusters
See Dominique Foray

Strengthening Citizen engagement?

Territorial strategies
Smart Cities...
SMART SPECIALISATION STRATEGIES FOR R&I: driving cohesion policy and connecting the regions to the European Investment Plan

Research and Innovation funding is directly subject to RIS3: €41 billion

Indirectly RIS3 priorities lever over €250 billion for economic transformation in the regions

ESIF seeks synergies with H2020 (Seal of Excellence) and EIB-EFSI
Cluster Policy, S3 and ESIF
Vanguard Initiative

VI Methodology – 4 step approach

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

- Connect
  - Matching events for complementarity
  - Developing demonstration cases

- Demonstrate
  - Networked demonstration
  - Pilot lines and first-of-a-kind facilities

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

Industry Inspired
Industry Driven
Industry Owned
Two tribes: research v administration
Two tribes: two ways of thinking

Research and innovation
• Ideas
• People
• Ecosystem approach
• Personal career focus
  • Research and publications
  • Peer reviews important

Regional administration
• Process
• Efficiency
• Budget
• Audit
• Hierarchical structures
• Physical outputs and outcomes

See ‘Metaphors we live by’
Gareth Morgan
Who will evolve?

Homo synergus?

New roles for National Contact Points?
See Switzerland, Poland...

Different Roles Are Needed in Orchestrating Regional Innovation Ecosystem

Renewal Capital
Informal Networking
Systemic operationalization

ARCHITECT
- Makes the vision tangible

BRIDGER
- Engages stakeholders

CONDUCTOR
- Harmonizes the diverse instruments

CURATOR
- Designs the concepts to fit the context

Markkula, Kune & Tukiainen
Based on ACSI Espoo 2015
Source also Johan Wallin,
Business Orchestration, 2014
Territorial synergies

Widening participation
Research Infrastructure
Science With and For Society – citizen
Smart Cities/Urban
Transport
Excellence
Challenges
Industry

Platforms

Improved Synergies

RIS3

ESIF

Place-based approach to research and innovation
Building effective research and innovation ecosystems

Projects with clear geographical focus

Clusters

Regional NCPs?

Strengthening Interreg-Europe

‘If there is one thing to do in the next three years, concentrate on the regions’
Robert Madelin
ISBG Conference 16th Nov 2016

Smart Cities/Urban

Transport

Examples

Territorial synergies

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Smart Cities/Urban

Transport

Examples
Synergies means preparing programmes before 2021

Joined up discussions between DG RTD and DG Regio to exchange information on thematic areas with territorial focus pre-2021

**FP9 topics**

- **Transport**
  - AV1: Automated driving – research on IT and satellite systems
  - AV2/T1: Automated driving – demo and pilot actions
- **Smart Cities**
  - SC1/T2: Lighthouse projects
- **Etc...**

**ERDF Research and Innovation**

- **Research and Innovation Thematic Objective**
  - No territorial match
  - T1: Test facilities for innovation in surface transport
  - T2: Support for Lighthouse projects involving physical infrastructure for housing and transport and ICT investment
  - T3: Etc...

*Fill this gap with new/improved coordination mechanisms at the regional level: ‘innovation brokers’, wider role for NCPs (see ‘Ideas for a European Innovation Council’, July 2016, etc. Stronger focus on territorial impact and spatial planning?*
Synergies: new regional coordination roles

As a rule, it was the fittest who perished. The misfits, Forced by failure to migrate to unsettled niches, who altered their structure and prospered.  W.H. Auden

The Connected University plays a key role in less-developed regions
Conclusion

• Research and innovation as the driver of jobs and growth
• Regional research and innovation ecosystems now accepted
  • The muddy pond vs linear model
  • Triple, quadruple...helix
• Need to join up two main funding streams at EU level – ESIF and H2020
• But...problems (time frames, objectives, processes, silos...in 2014-2020
• Opportunity to develop new types of actors on the ground to help develop synergies...
• New future roles for NCPs?
• Importance of EU networks in sharing information and providing networking space.
Connected to Regions

Power by Collaboration

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