Languedoc-Roussillon : Towards a RIS3 strategy

Vaasa, 14-15 May 2013
Vincent Dufour - Vincent Arsigny
Our Expectations from the S3 and the Peer-Review Workshop

Our expectations from Smart Specialisation

- Define a vision, identifying competitive advantages, setting strategic priorities to maximise the potential of the knowledge-based development of Languedoc-Roussillon
- Insure that all the actors of innovation, research and companies can collaborate together towards a similar goal

Our expectations for the Peer-Review Workshop

- Get feedback from our counterparts on our process to determine differentiated policies (see below, 4 main questions)
- Take the opportunity of this session to develop cooperation and find partners
The questions we would like the peer critical friends to discuss

1. To share with participants: benefits and disadvantages of “different types of RIS 3”
   - Focused on “niches”
   - Or more global, including some “niches”

2. To have feedback on “prioritisation process”, and especially: how to take into account the result of benchmarking? Impact on decisions?
   - What kind of decision if we have the “same” domains between several regions? We don’t go on? We focus on “niches”? We cooperate to achieve critical mass?

3. To have feedback on cooperation strategy:
   - How do other regions in Europe organise the process?
   - What is the operational way (or the different ways) to lead a cooperation strategy?

4. To have feedback on articulation between RIS3 and OP:
   - How do the other regions organise the articulation between RIS3 and Operational programs?
benefits and disadvantages of “different types of RIS 3” i.e. niche or not

- Should RIS3 be a succession of niches
- Or be a few broad fields comprising smaller niches inside (eventually be changed after a few years)
- Or just let the fields be defined as frames in which the niches can be changed at any time
- or a mixture of large fields (where the Region as a strong position) and niches where the future of the Region economy lies
To have feedback on “prioritisation process”, and especially: how to take into account the result of benchmarking? Impact on decisions?

- What is the balance between competition and cooperation for one given domain. (e.g. health sciences and ICT…)
- Who will decide the leader and the follower(s) if one domain is choosen by two or more Regions.
- Coordination such prevail but how to perform
- choice between one large field in one given Region and a smaller but more appropriate niche in another Region…
To have feedback on cooperation strategy:

- Once another Region has been identified, how to deal with it?
- What will be the role / decision of the EU for this cooperation?
- How to implement the process through all the 6 years of the program?
- Can the EU manage the discussion for some key domains (ICT & health; greentechs; low energy emission building; ....)?
To have feedback on articulation between RIS3 and OP:

• How to deal with H2020 program?
• There is a need to have more cooperation with project for H2020 and the domain for RIS3
• H2020 is well known for scientist but hard to use for SMEs: RIS3 should help entrepreneur to submit their project with scientist on H2020, but how?
RIS3 in Languedoc-Roussillon

Vision:

- High research activity, to move towards economic transformation
- From attractive demographics to economic attractiveness (territory adapted to the new economy)

Progress of our work on RIS 3:

- Governance: Nov 2012
- Identification & mapping: Jan-Feb 13
- Entrepreneurial Discovery: Apr–May 13
- Prioritization: Jun-Jul 13
- Policy mix Process: Jul-Nov 13
Basic Facts

- **Population**: 2.6 million inhabitants - the highest population growth in France (forecast: 3.3 million inhabitants in 2030)

- **GDP/per inhabitant**: about 75% of EU 27 average (Eurostat – 2011)

- **Key figures of regional economy**:
  - Entreprises - Registered businesses: 127,570
  - Services: 61,144
  - Industry: 12,264
  - Construction: 17,849
  - Trade and repairs: 36,313

- **Services**: 503,000 jobs
- **Industry**: 70,000 jobs - 8% of jobs
- **Firm size**: SME: 95% < 10 employees
Basic Facts

Languedoc – Roussillon: an average innovator region
(Regional European Scoreboard - 2011)

- 5 Universities, 95,000 students,
- 8,000 researchers (5,500 public),
- 10 research organisations
- A wide variety of research fields:
  - Agronomy and environmental sciences
  - Health sciences
  - ITC and engineering
  - Chemistry
  - Earth sciences and water
  - Management and humanities

To notice: a higher rate of innovative companies than the national rate and also the European rate (Community Innovation Survey 2012 - Eurostat).

High Education and Public research

- Expenditure of R&D/GDP: 3% (but 2/3 on public funds)
Governance

REGIONAL ADMINISTRATION AND SUPPORT FOR THE ELABORATION OF RIS 3:

STEERING COMMITTEE
Préfet/President

TECHNICAL COMMITTEE
Etat- Région

REGIONAL INNOVATION AGENCY TRANSFERTS LR

Dedicated Team for the project

... AND A NEW GOVERNANCE TO BUILD FOR THE IMPLEMENTATION!

The quadruple helix is already involved in the consultation process (see below)
Place-based dimension of the RIS3

Identification, Analyse & Mapping

Mapping Through 23 indicators

40 potential fields

Consultations Regional comittees

Individual Consultations 125 qualified personnalisations

Synthesis of strengths and weaknesses of the 40 domains
Entrepreneurial dynamics
Priorities

www.3s-en-LR.com launch

Workshops

International Benchmark

Selection of 10 domains with criteria

Validation by the governance
10 criteria: economic transformation, differentiation, need for public funds...

Services and technology for wine products

Sensors

marine resources

Transversal activity: Entrepreneurship

Analysis and mapping

Entrepreneurial discovery

Selection

Innovation fields
Looking beyond our Region’s boundaries:

A European benchmarking in 4 steps (May-June, 2013)

- **Step 1**: on each domain, first overview of the European regions positioned (*international benchmarking for a few domains*)

- **Step 2**: presentation(s) during the workshops and discussions with participants

- **Step 3**: Mapping (positioning LR in value chains)

- **Step 4**: Tracks for differentiation
Priorities

• 10 criteria for the choices

1. Economic impact for the region
2. Innovations and commercial applications
3. National or international market target in 5-7 years
4. Economic transformation for the activity/domain in 5-7 years
5. Creating a common vision from the partners
6. Activity cross several sectors
7. Activity that can not be relocated (offshored)
8. Chance for leadership in Europe in 5-7 years
9. Need for public funds
10. Differentiation
Implementation and Budget

• For each domain: a roadmap to build, a governance, tools and funds

• Articulation between RIS3 and OP

• Some tools to invent and some innovative tools already tested in Languedoc-Roussillon:

For instance:

- R&D collaboration projects, streamlined process
- Public R&D platforms open to SMEs.
- Regional JEREMIE (Joint European Resources for Micro to Medium Enterprises)
Focus on Digital Growth Priorities

- Prioritisation of actions through SWOT analysis
  - Reducing digital divide (network access to 100% population by 2025, optic fibre (digital literacy, e-inclusion, e-health, e-education,..)

- Role of ICT in our regional strategic policy framework for digital growth.
  - ICT : a means rather than an end (no large ICT companies)
  - key technologies to support traditional and emerging sectors
  - source of added value at the crossroads of economic activities
Digital Converging Strategy

- Innovative products & services
- KETs
- Strategic domain
- KETs
- Innovative products & services

- Green chemistry
- Healthcare
- Environmental risks
- Knowledge dissemination

- Satellite image data processing
- Robotics
- Open data
- Serious games

- Parallel Calculation
- Complex Modeling
- Real time & 3D Visualisation

- Embedded software
- HPC
- Cloud computing
- Electronic sensors

- Sustainable tourism
- Renewable energy
- Well-being elderly population
- Eco-agriculture
- Healthcare
- Environmental risks

- Eco-agriculture
- Sustainable tourism
- Renewable energy
- Well-being elderly population
- Knowledge dissemination
Our self-assessment

Driving economic change through smart specialisation/RIS3

Source: S3 Platform/EURADA
Summary and next steps

• What is needed (in the short and medium term) to develop and implement a good RIS3 in our region:
  – Methodology and roadmap for the implementation, governance and monitoring for each domain

• How aware of the processes and supportive are your politicians, the regional/national administrations, the business community in your region, your national government?
  – National and regional administration very implicated
  – Business and research community also (participation to conference, contributions on 3S-en-LR..)
The questions we would like the peer critical friends to discuss

1. To share with participants: benefits and disadvantages of “different types of RIS 3”
   - Focused on “niches”
   - Or more global, including some “niches”

2. To have feedback on “prioritisation process”, and especially: how to take into account the result of benchmarking? What kind of impact on decisions?
   - What kind of decision if we have the “same” domains between several regions? We don’t go on? We focus on “niches”? We cooperate to achieve critical mass?

3. To have feedback on cooperation strategy:
   - How do the other regions in Europe organise the process?
   - What is the operational way (or the different ways) to lead a cooperation strategy?

4. To have feedback on articulation between RIS3 and OP:
   - How do the other regions organise the articulation between RIS3 and Operational programs?