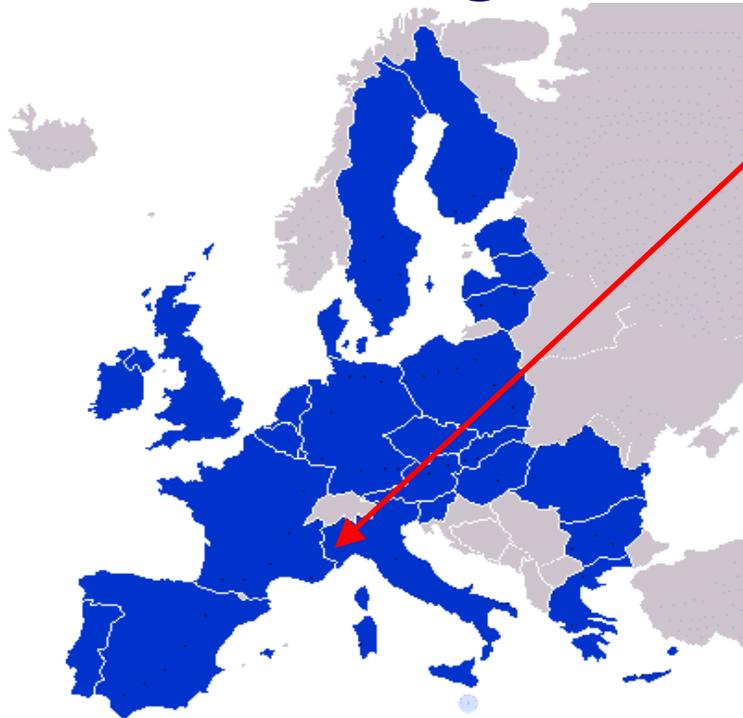


Towards a RIS3 strategy Piedmont Region



- ✓ Population: 4,440,000 inhabitants
- ✓ Density: 169 inhab./Km²
- ✓ 8 Provinces
- ✓ 1.206 Municipalities

- ✓ Over 200 private and public R&D centers
- ✓ 380 laboratories
- ✓ 4 universities
- ✓ 6 science and technology parks
- ✓ 12 innovation clusters

- ✓ 469,000 enterprises
- ✓ € 126,8 billion GDP (8,07% of national total)
- ✓ R&D intensity 1,82% (% GDP invested in R&D, public + private funds)
- ✓ 27,310 R&D employees

Vaasa, 14-15 May 2013
Erica Gay

Your Expectations from the S3 and the Peer-Review Workshop



Expectations:

- Foster Economic Development and Competitiveness of our Region
- Define a new setting of the regional innovation clusters
- Pay attention to Social innovation
- Support start-ups and incubators
- Wider and efficient stakeholders involvement
- Policies based on data analysis and awareness

Objectives and expectations for the Peer-Review Workshop:

- Enhance cooperation with European Regions
- Learn from other experiences
- Receive useful feedbacks from the S3 Platform to improve the current strategy and be ready for signing the Partnership contract
- Piedmont Region visibility

The questions you would like the peer critical friends to discuss



How to balance priorities with other non-priorities areas needing support

How to discover new entrepreneurial dynamics responding to social challenges

Evaluation and monitoring System

Mapping of European specialisations to support regions to clustering process

Receive useful indications and methods to assess economic international positioning

Introduction of Piedmont's work on Research and Innovation Strategy/1



Main steps of RIS in Piedmont before RIS3

In **2005**: Piedmont Region launched a **first RI Strategy** , delivering a policy supporting networks and partnership organizations through research and collaboration support.

In **2006**: approval of the “**Regional law 4/2006 “Regional system for research and innovation”**”, which includes the main regional institutions and stakeholders to promote research and innovation system.

Law instruments:

- General Guidelines for R&I policies set out in accordance with EU and national strategies
- Three-year Research Plan: the policy instrument that defines the operational tools and the interventions for the policies on R&D

The Governance system (Law 4) :

- **A regional committee** aims at connecting the regional community to the regional system of research and innovation and fostering the cooperation. (The committee participates to the drafting of the General Guideline for R&I and the Three year Research Program)
- **A scientific commission** provides a wider intellectual context for the implementation of the Plan in the light of global best practice and knowledge about economic and technological opportunities within Piedmont
- **An evaluation team** evaluates the policies and programmes of the law

Introduction of Piedmont's work on Research and Innovation Strategy/2

Relation between National and Regional level of the RIS3



- *Methods and objectives for an efficient use of the European Funds 2014-2020*
Presented by the Cohesion Policy Ministry
- *Four Thematic Working Groups*
 - 1- Labour, Productive system Competitiveness, Innovation**
 - 2 - Environnement valorisation and protection**
 - 3 - Improvement in quality of life and social inclusion**
 - 4 - Education training and skill**
- *Supporting regions in defining and implementing research and innovation policies (S³)*
(project headed by the Ministry of economic development, Ministry of Education, University and Research – 1st Meeting today in Rome
- *National Agency for inward Investment and enterprises development – INVITALIA*



The regional Level

- *Three Working Groups: Smart, Sustainable, Inclusive growth*
Coordinated by EU policy Unit of Piedmont Region



Introduction of Piedmont's work on Research and Innovation Strategy/3



In one sentence:

Our vision of the future is to make tradition
an innovative asset for the Region

Place-based dimension of the RIS3



Main competitive advantages

- 4 Universities
- 12 innovation clusters
- 4 technology Platforms operating agrofood, aerospace biotechnologies automotive
- A technological ICT district
- Investment in RTD 1.8 % of GDP (second place out of all the Italian regions)
- A consolidate research and innovation system

Regional Specialisation - Innovation clusters

In 2009 Piedmont Region set up 12 **innovation clusters** in the territory, both in traditional sectors as well as high-tech sectors in order to support the competitiveness of SMEs, in the following domains

- AGRO-FOOD
- BIOTECHNOLOGY AND BIOMEDICAL ENGINEERING
- SUSTAINABLE CHEMISTRY
- NEW MATERIALS
- DIGITAL CREATIVITY AND MULTIMEDIA
- SUSTAINABLE ARCHITECTURE AND HYDROGEN
- RENEWABLE ENERGY AND BIOFUELS
- FITTINGS, SYSTEMS AND COMPONENTS FOR RENEWABLE ENERGIES
- RENEWABLE ENERGIES AND MICRO HYDRO
- ICT
- MECHATRONICS AND ADVANCED PRODUCTION SYSTEMS
- TEXTILE

Place-based dimension of the RIS3

Key challenges and main opportunities

<p>Strengths</p> <ul style="list-style-type: none">- Consolidated Research and innovation system- Well distributed ICT infrastructures- High-skilled competences- Good Export propensity- Strategic position between Alps and Mediterranean sea towards internationalisation	<p>Weaknesses</p> <ul style="list-style-type: none">- Fragmentation of productive system- Lack of a friendly and favourable environment for inward investments- Export oriented mainly to European markets-- Rural areas still not covered by ultra broad band
<p>Opportunities</p> <ul style="list-style-type: none">- Vibrant extra EU market- Internet 2.0 –- Inward Foreign investments- Active participation to the European macro-regions	<p>Threats</p> <ul style="list-style-type: none">- Further reduction of consumption and investments- Worsen Crisis in tradition sectors- Difficulty to enter new foreign markets

Steps towards RIS3



- **Social and economic context Analysis**
carried out by the Institute of Economic and Social Researches
- **Evaluation reports:**
 - Overall Regional policy
 - Regional Operational Program – ERDF
 - Regional innovation cluster policy
 - L.R 4/2006 (calls for funding)
- Regional participation to the **National Technological Clusters** (Ministry of Education, Research and University)
- **Governance**
Revision of the L.R. 4/2006 (wider stakeholder participation – simplify planning documents);
Focus meetings with managing bodies of the regional innovation clusters, universities, research centres, enterprises, social organizations

Looking beyond Your Region's boundaries



National Technological Clusters (may 2012)

- 1 – Agrofood
- 2 - Life Sciences
- 3 – Green Chemistry
- 4 - Smart Communities' Technologies
- 5 – Energy
- 6 – Assisted Living and Domotics
- 7 – Intelligent Transport Systems
- 8 – Aerospace
- 9 – Smart Manufacturing

Participation in EU projects (CLUSTRAT – CLUSTERCOOP) concerning

- Clusterisation, Clusters development, Cross cutting issues
 - New tools for delivery public support to RDI: Pre-commercial public procurement, Open innovation tools, Open Data & Digital Agenda, Monitoring and Evaluation Mechanisms
- in order to: Systemic comparison with other regions/ Mapping European context in search of example to learn/
Performing benchmarking

TRES project 

Support synergies among regional strategies to balance diversification paths and complementarities and implement development strategies through Regional Implementation Plans

EU Networks based in Brussels

Piedmont Region is also partner of several European networks:, [ERRIN](#), and [-ENOLL](#)

International Economic Positioning

Under evaluation: the methodology foresees to analyse the export capacity of the Piedmont 12 clusters

Entrepreneurial dynamics



This part of the RIS3 of Piedmont is under analysis
to be strictly correlated to the strategy.

Support is needed!

- Currently there are **on-going initiatives that can be grouped into a wider** (to be developed) **strategy** focused on entrepreneurial dynamics
- Piedmont has recently launched a **strategic plan "Innovare per Crescere - Il Piemonte delle Startup e dell'innovazione** – Piano Regionale di Intervento 2012-2015" aiming at making Piedmont a **startup friendly region**, able to promote an innovative entrepreneurial system, by increasing and attracting innovative start-ups in the region.
- The Piedmont start-ups strategy indeed has identified the **digital sector** (global by definition and able to open up new perspectives in terms of growth and employment) as a focus priority for its start-up action plan.

Entrepreneurial dynamics



- Piedmont can demonstrate its ability to express its know-how high-potential for research and productive field thanks to a strengthened system of public institutions, universities, research organisations (public, private and mixed), CNR research institutes, professional associations, higher training centres, AFAM (Higher Artistic and Musical Training Institutes), private foundations and a close network of enterprises.
 - companies expenditure in R&D: 1.42% of GDP, on a national average of 0.65%
 - number of workers in R&D: 6.2 per 1000 inhabitants, on a national average of 4.0
 - number of patents registered: 137.6 patents per million inhabitants, on a national average of 83.6
 - Direct Foreign Investment (IDE) coming into Piedmont in 2009 was worth around EUR 6.9 million: it is the second best data in Italy

Governance

RIS3 design process coordination:

Research and innovation Directorate
Business Activities Department



The regional partnership and the quadruple helix collaboration

The new governance systems envisages to launch periodical consultations with stakeholders

Actors involvement

The quadruple helix process has been recently launched and assessment is on-going to better involve stakeholders and engage them.

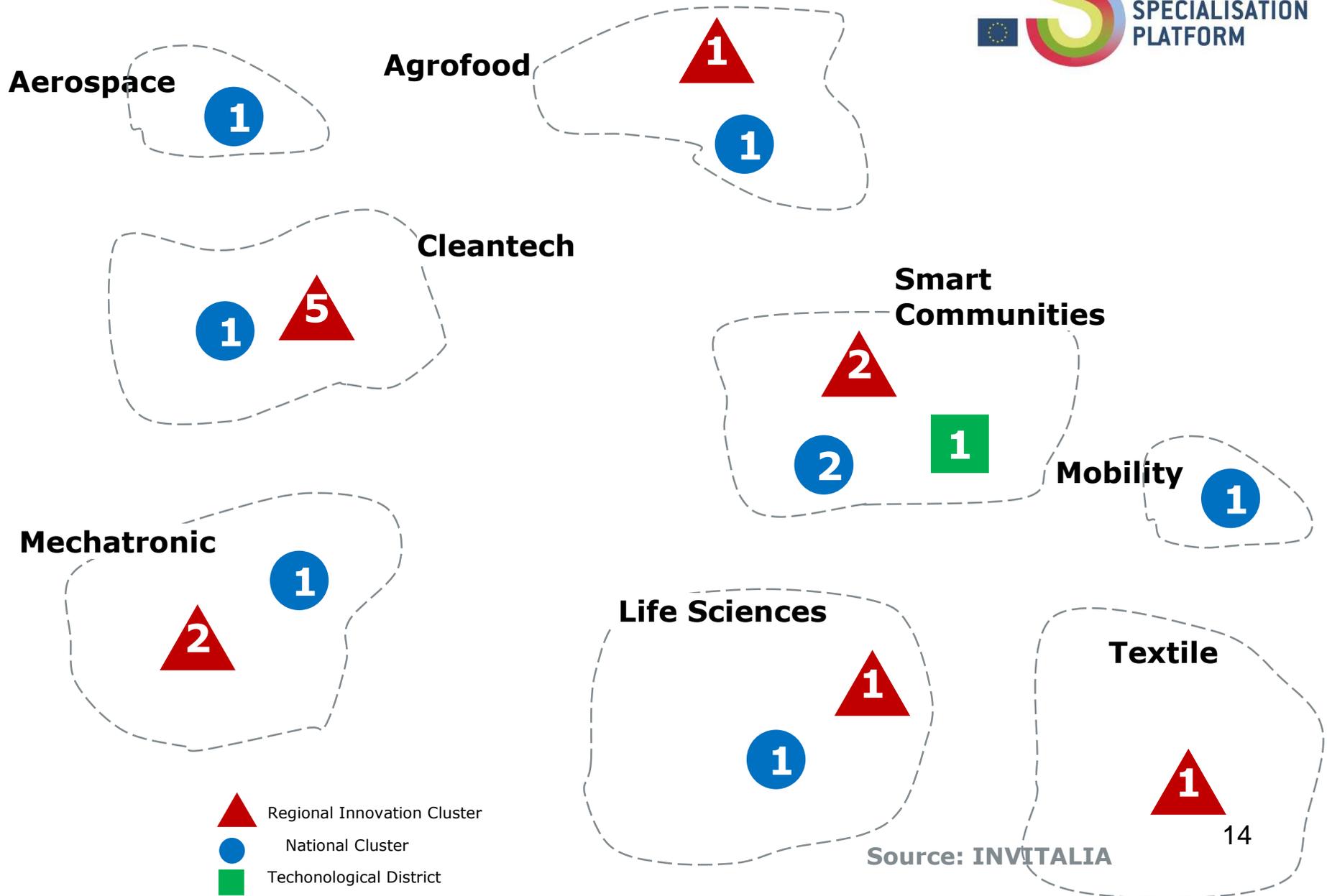
Governance mechanisms to facilitate an entrepreneurial process

Regional committee
Innovation clusters

Identification of RIS3 priorities

Regional government supported by relevant stakeholders

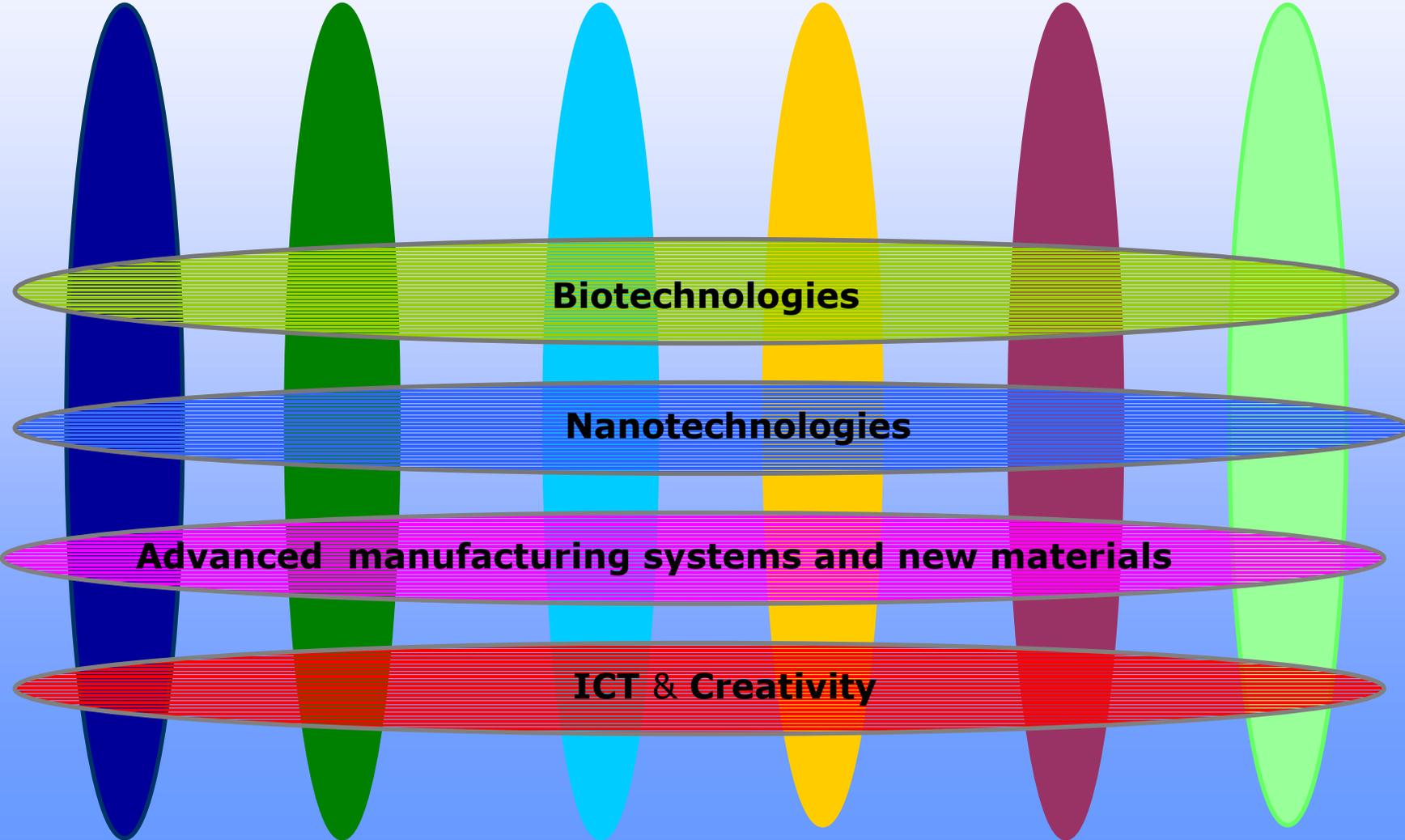
Areas of Specialisation



Clusters & KETs



Aerospace **Automotive** **Mechatronics** **Agrofood** **Life sciences** **Clean Tech**



Biotechnologies

Nanotechnologies

Advanced manufacturing systems and new materials

ICT & Creativity

Digital Growth Priorities/1



Piedmont Digital Growth strategy explicitly designed within RIS3:

- The RIS3 will include a **specific chapter** devoted to the Digital Growth strategy for the Region.
- A Digital Agenda-DA is under definition through a **consultation process** launched in March 2013 and currently in-progress (**periodical consultations**).
- The DA is conceived as a **“Living” Strategy (and document)** for 2014-2020.
- To be used the **PADGETS web platform** (result of an **EU FP7 on going research project**)
 - to launch the **Digital Agenda campaign** and collect/analyse **citizens’ feedbacks in**
 - **Facebook, Twitter, You Tube**
- DAE scoreboard** is one of the **key reference** to assess digital performance of Piedmont. .
- Assessment** has been carried out through **SWOT analysis of needs** to reinforce ICT capacity-building
- A set of indicators (and sources)** has been **defined to measure progress** of interventions in the field of **digital literacy, e-participation, broadband, public admin. on-line efficiency**¹⁶ etc.

Digital Growth Priorities/2



To define its Digital Agenda strategy Piedmont is carrying out:

- **Analysis of the needs** of the territory to reinforce ICT skills, private sector's ICT capacity and the level of ICT infrastructure penetration- IRES 2012 Report;
- **Ad hoc periodical consultations with ICT stakeholders** (universities, SMEs, in house agencies, research centres, etc.):
- **First consultation launched on 27 March 2013** focused on **needs and actions**; Second consultation to be launched on the **22 May 2013** focused on **indicators analysis**;
- **A list of indicators and related source of measurement** linked to the needs and actions to be performed in 2014-2020

Implementation and Budget



Piedmont priorities are matching with the regional innovation cluster policy and map

RIS3 will be mainly implemented through European (ERDF), National (MIUR) and Regional funds (Research Law)

Non-financial support services will be included

We plan to integrate and exploit the synergies between different policies and funding sources

Relevant stakeholders and partners have been already involved in the implementation stage of RIS3 through thematic focus groups

The Research & Innovation Department of the Region is the responsible body for the implementation

Measuring the progress



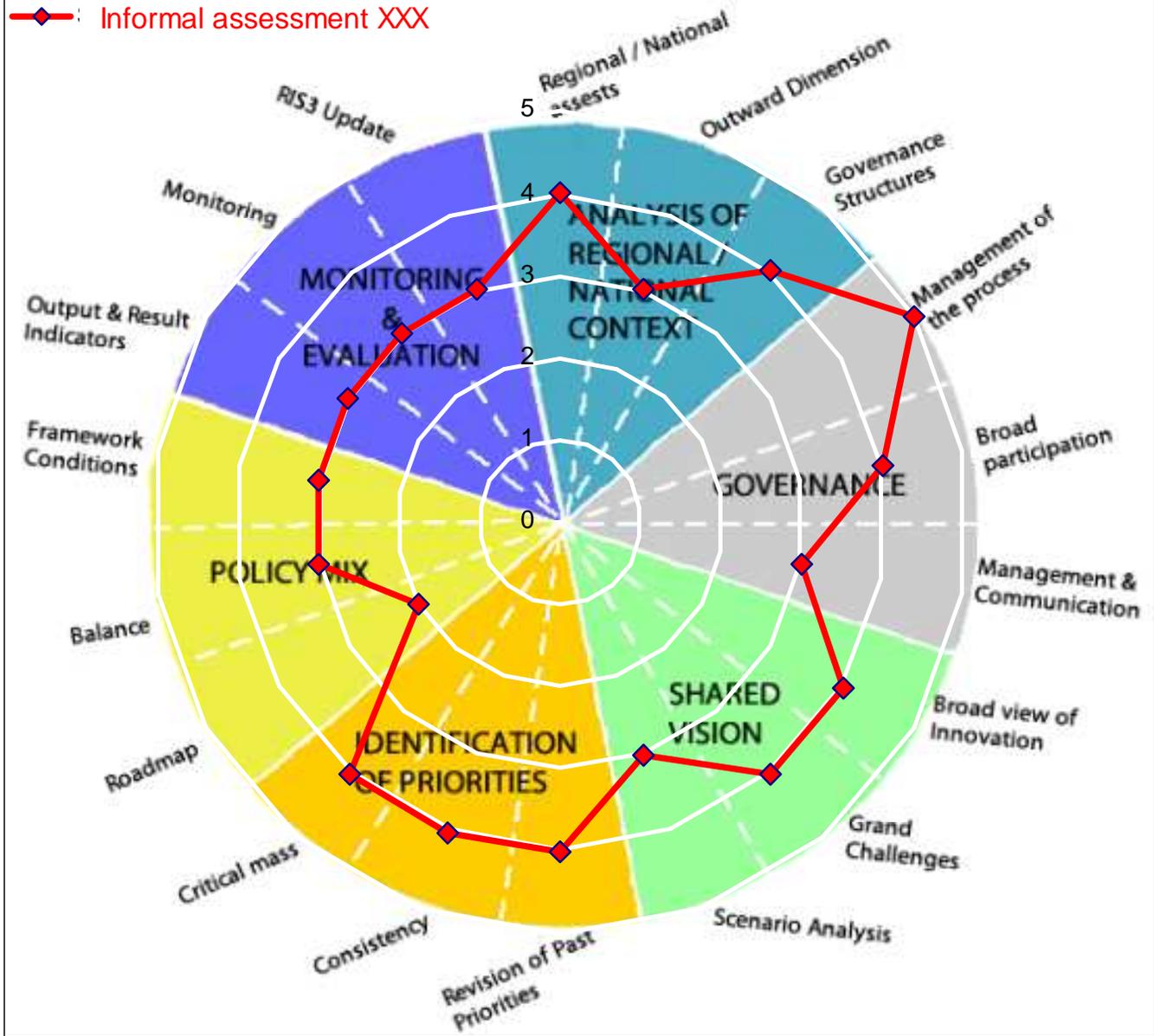
Monitoring and evaluation mechanisms suggested by the National Document “Methods and objectives for an efficient use of the structural funds 2014-2020”

To measure success we will define ad hoc evaluation reports on the impact of investments on the territory.

We foresee periodical reviews of the strategy, by launching reviews assessing intermediate outcomes and results

Driving economic change through smart specialisation/RIS3

◆ Informal assessment XXX



Summary and next steps



Already in place a **good mapping of the areas of specialisation** and a strong coordination at national level

Intention **to reinforce the learning/peer review dimension** with other regions in EU by learning from other experiences

Support is needed in the **following (still weak) areas:**

- Entrepreneurial dynamics
- International economic positioning
- Monitoring and evaluation system

There is a good awareness level and support by National Ministry, Regional administration units and by the business and academic communities

The questions you would like the peer critical friends to discuss:



How to balance priorities with other non-priorities areas needing support

How to discover new entrepreneurial dynamics responding to social challenges

Evaluation and monitoring System (how to implement an harmonised –if relevant-evaluation and monitoring system among EU S3 specialised regions)

Mapping of European specialisations to support regions to clustering process (existing instruments at EU level to map EU specialised economic sectors in EU?)

Receive useful indications and methods to assess economic international positioning (good practices, analysis already performed, etc.).



Thank you for your attention

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