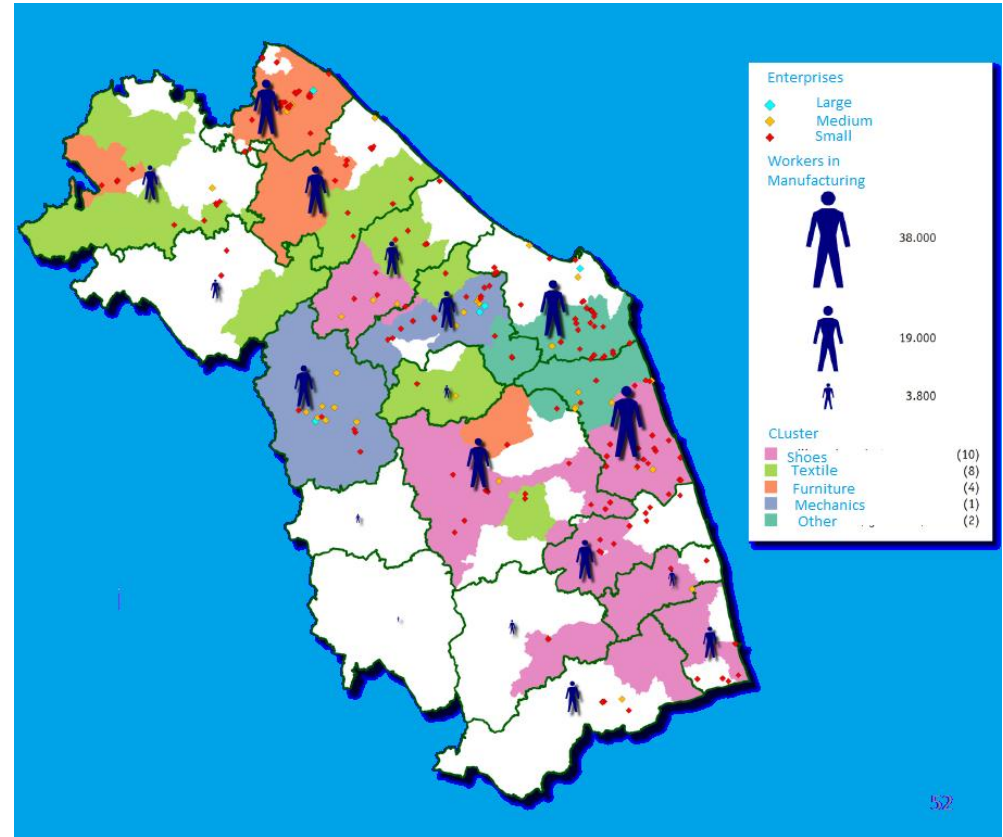


Marche

Towards a RIS3 strategy



Palma de Mallorca, February 2013
Patrizia Sopranzi
Anna Torelli
Alessandro Valenza,

Expectations from the Peer-Review Workshop

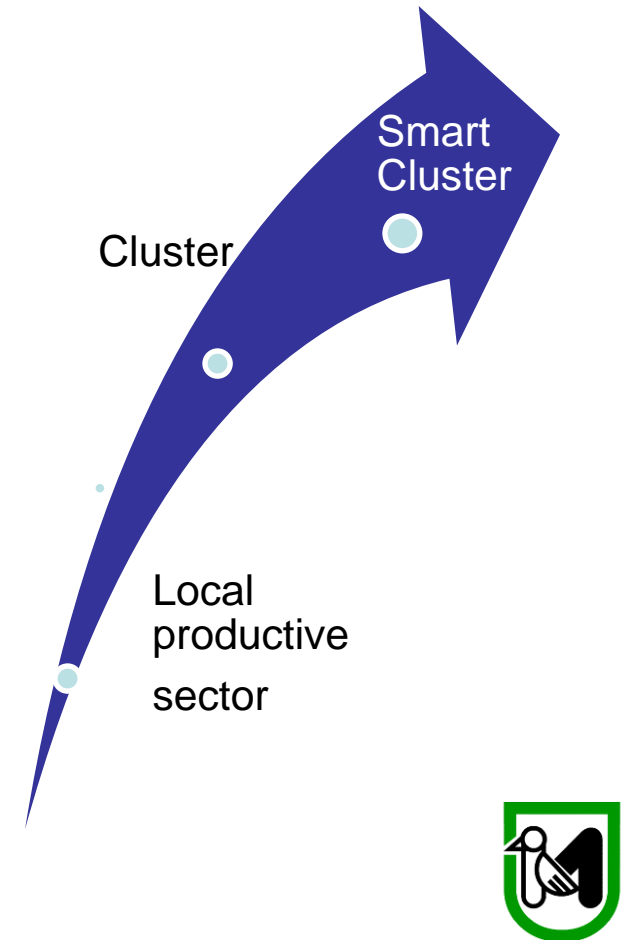


- The Peer – Review exercise has already helped us to shape the process
- Our main expectations from the peer review are focussed on the following topics:
 - How to enhance the international partnership
 - Policy delivery tools (the definition of which is still in process) especially on:
 - The financial leverage
 - The involvement of bank system



The regional evolution toward the RIS3

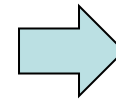
- **2000-2006**, Innovation has been promoted adopting a sectorial approach.
- **2007-2013**, Innovation has been supported by clustering groups of SMEs and Universities.
- The on going evaluation 2007-2013 and the ex ante conditionality provided the opportunity to define a more articulated “smart” strategy.



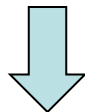
Strategic Vision



Evolution of the regional specialisations towards an **Innovative Cluster structure**



to support the upper quality traditional productive vocations

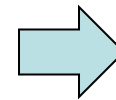


To develop new activities in high tech and smart domains

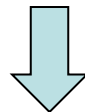


Strategic Vision

Evolution of the regional specialisation towards an **Innovative Cluster structure,**



to support the upper
quality traditional
productive vocations



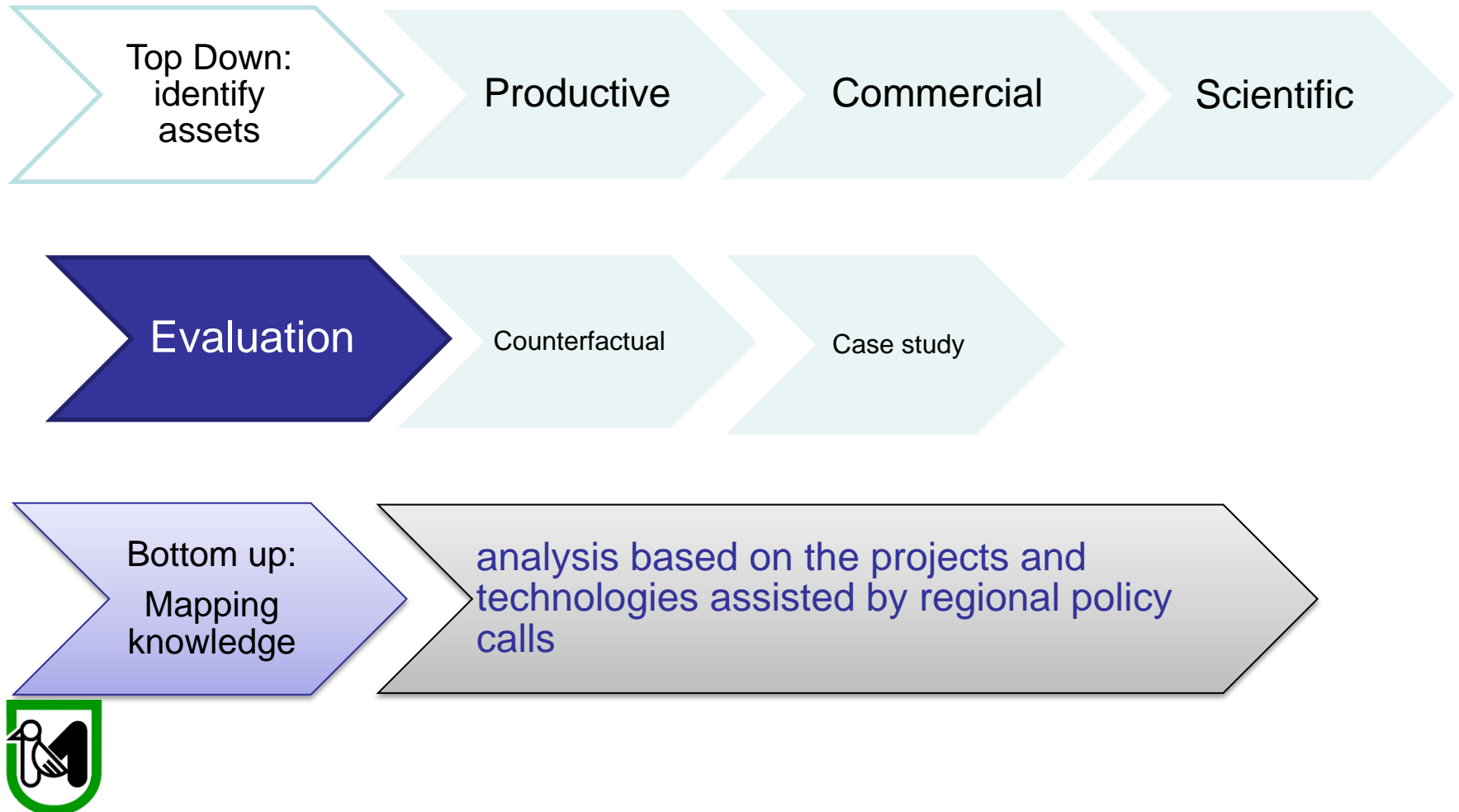
To develop new
activities in high
tech and smart
domains



In order to:

- exploit the related variety of the regional industrial system
- strengthen the regional competitiveness in global markets

MAIN STEPS to identify smart specialization



MAIN STEPS:

Knowledge Mapping



Business:

- DBASE implementation of financed projects at the regional level with national and EU resources
- Analysis by sector (ATECO code)
- Analysis of technology areas (IPC codes)
- Analysis of the innovation degree by independent experts (classification item)
- Correlation between business and technological environments with a focus on home automation

Academic

- Identification of scientific and academic asset (infrastructures, human resources, cutting edges technologies excellences and projects).
- Focus group with Universities

Creating <http://www.marcheinnovazione.it/> Internet portal to facilitate the matching of supply and demand



Main competitive advantages



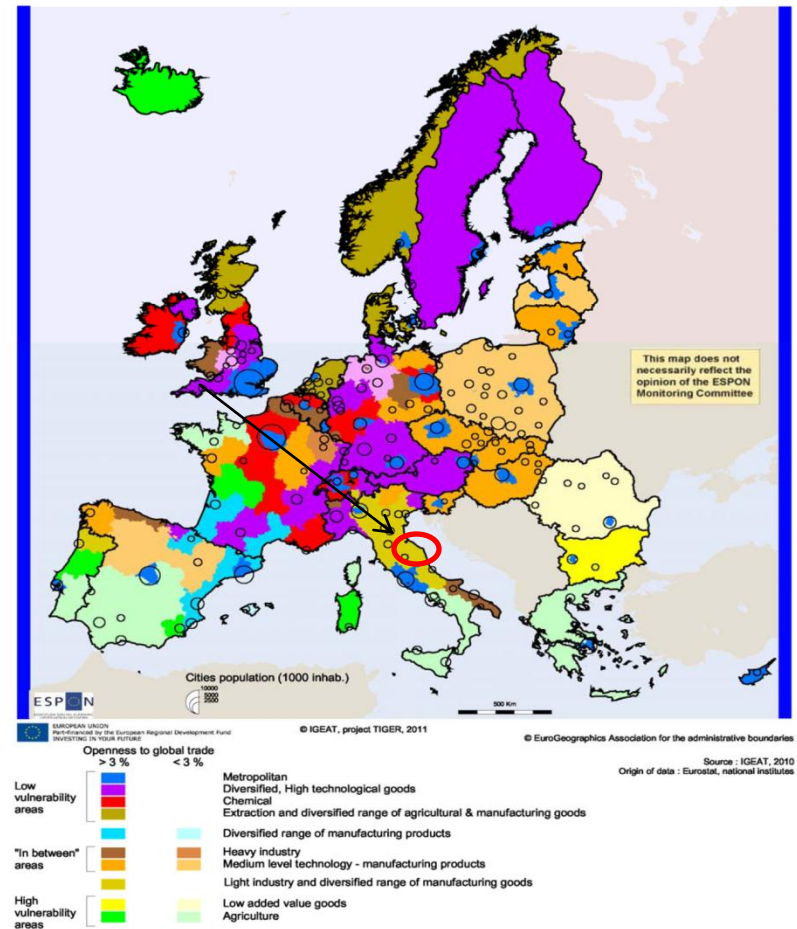
- high concentration of manufacturing and entrepreneurial activity, mainly organised in districts
- high export capacity, also in emerging markets
- 4 Universities and a share of graduated higher than the national level



Key challenges

Vulnerability (ESPON TIGER)

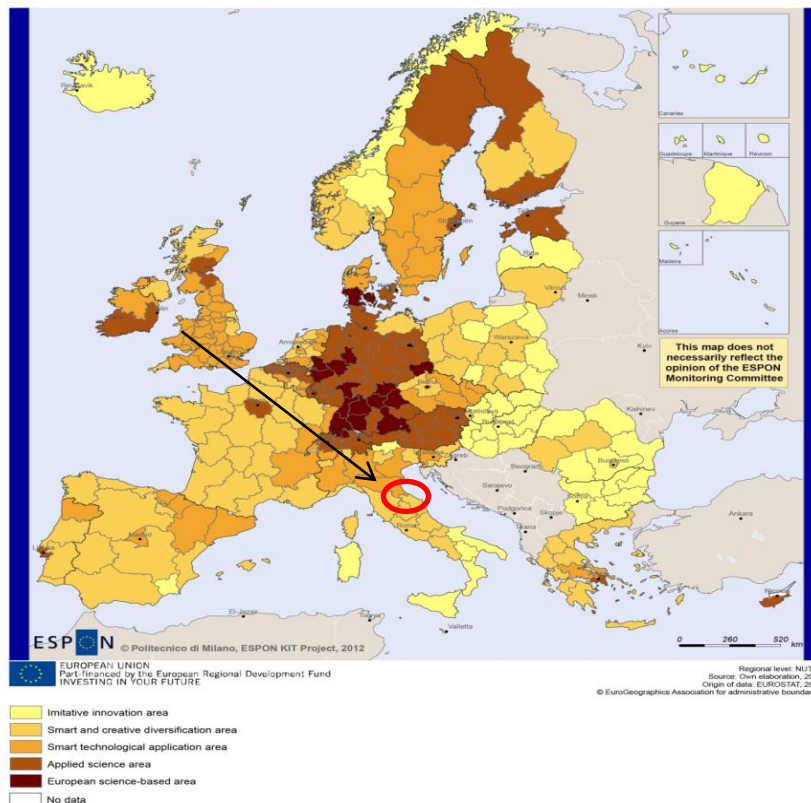
- Low capitalisation and small size of firms,
- Low productivity
- Low development of innovation and research activity
- Increasing vulnerability in the manufacturing sectors of specialisation
- Brain drain



Main opportunities

Development Patterns

ESPON: KIT



Regional Pattern of development shaped by:

- Increasing global request for high quality production
- Behaviour change in the key regional actors
- New Firms active in emerging high tech field
- National clusters:
 - A) Smart factory
 - B) Smart tech. for public environment and domestic ambient

Entrepreneurial dynamics



Assessing entrepreneurial dynamics

Weakness	Strenghts
Scarce interest in European Calls	Growing number of patents and licences
Weak role of the credit system as an alley for change	Attitude to creativity
Dimension	Territorial network of innovators
family business model and generational cliff make changes difficult	

Strategy of involvement

- Business community is involved through various thematic focus groups and workshop
- In order to enhance the involvement of stakeholders, an a open forum discussion and a prize for the best idea on innovation will be launched
- continuous dialogue with all the quadruple helix actors will be promoted trough personal interview.



From tech. and sectors to Smart Specialisation



Enabling tech. and sciences

New
Materials

ICT and
electronics

Meccanics
and
energetics

Bio
tecnology

Aging and
social
Science

Meccanics

Home electric
appliance

Furniture

Shoes

Home automation

Mechatronics

Sustainable Manufacturing

Health and Well being

Smart specialisation versus regional challenges



Enabling tech. and sciences

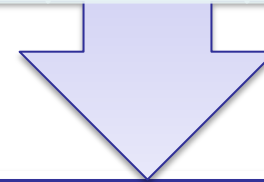
New
Materials

ICT and
electronics

Meccanics
and
energetics

Bio
tecnology

Aging and
social
Science



Home automation

Mechatronics

Green Manufacturing

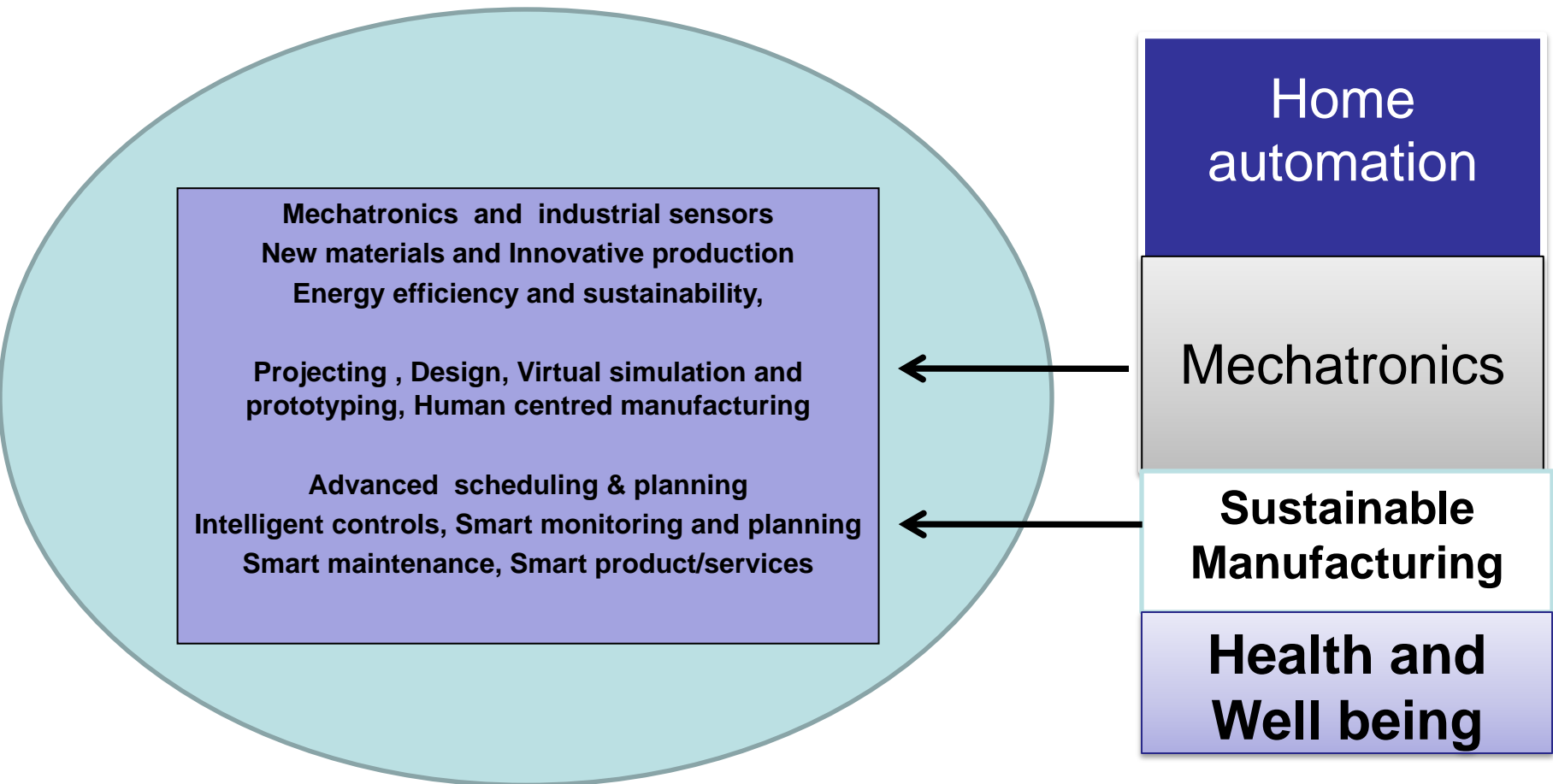
Health and Well being

Demographic
change

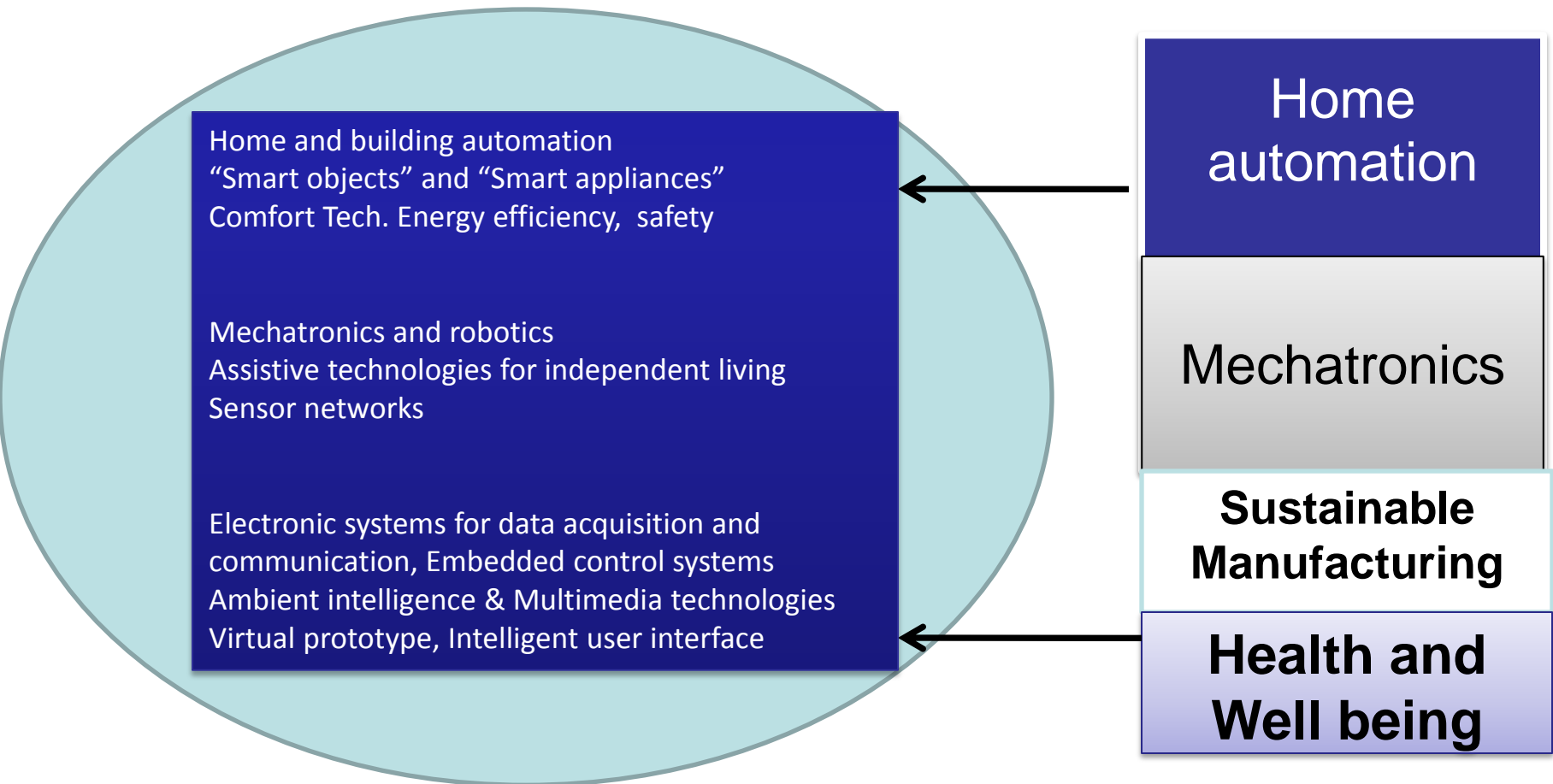
Decline of
manufacture

Environmental
Challenge

Smart specialisation toward smart clusters



Smart specialisation toward smart clusters



Regional Digital Agenda



Key process steps

Analyzes the context, the potential and needs of ICT



Define the key priorities



Integrate with regional S3

Infrastructures and Services

- Broad band high speed even in rural areas (EARDF)
- Regional cloud infrastructure
- E.government (es. Government Open Data for local Public Administrations initiative and TEO: Tender Opportunities for SMEs)
- ICT services for SMEs (Es. G2B Services, MCUBE ecommerce - Marketplace for Mobile apps)

Looking beyond our Region's boundaries by....

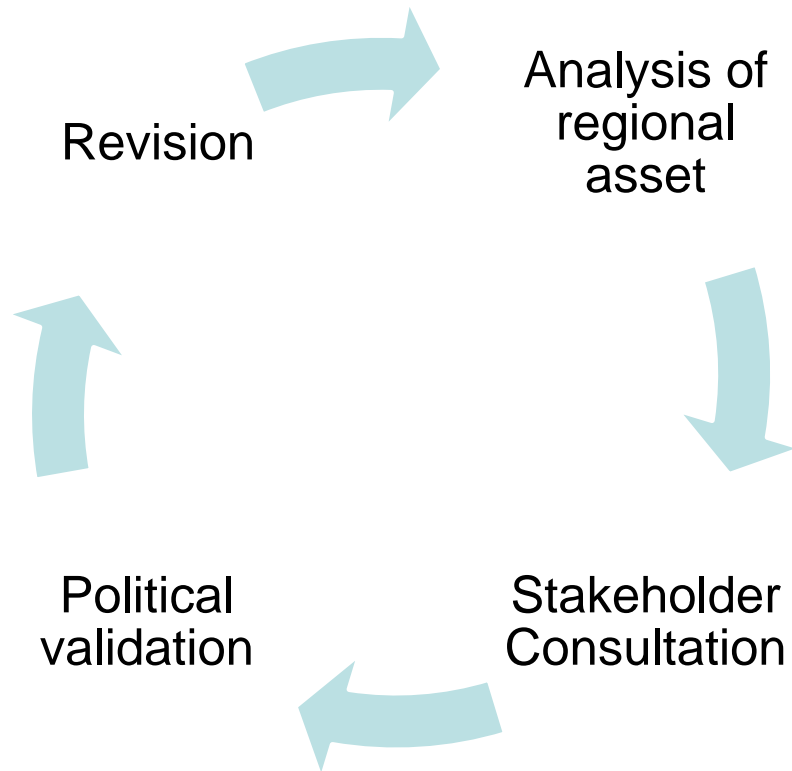


- being involved in number of EU projects to share insights and information: IKTIMED (www.iktimed.eu) JADE (www.jadeproject.eu), INNOVAGE (<http://www.innovage-project.eu>) , NEXT,
- Carrying out the analysis of scientific and technological and economic(productive and commercial) specialization comparing the regional position with European and Italian level,
- Assessing the vulnerability of each sector against the emerging economies,
- Taking part into the National clusters (Public environment and private ambient / Smart Factory),
- Addressing Horizon 2020.



Priorities setting

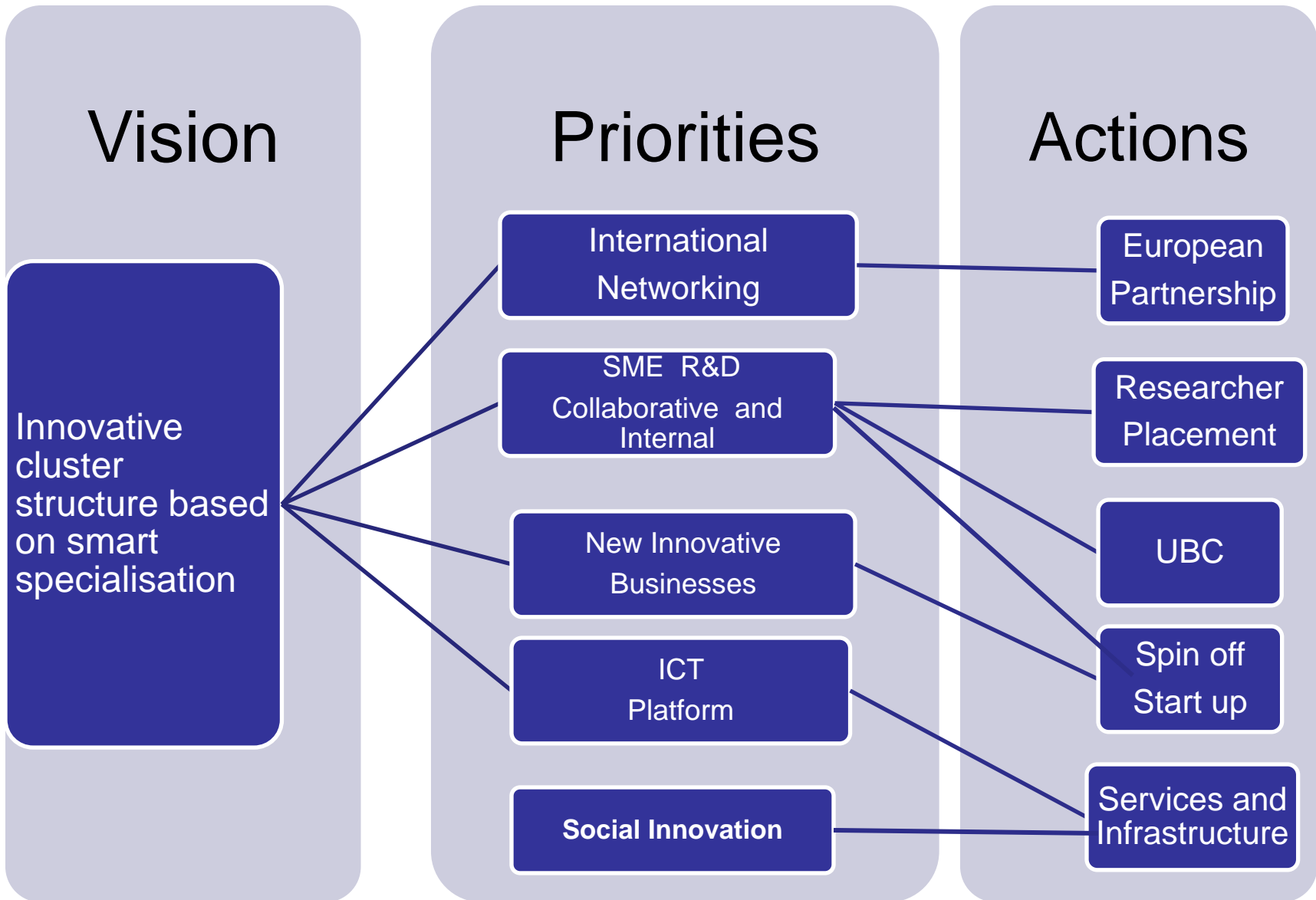
Process of priority setting



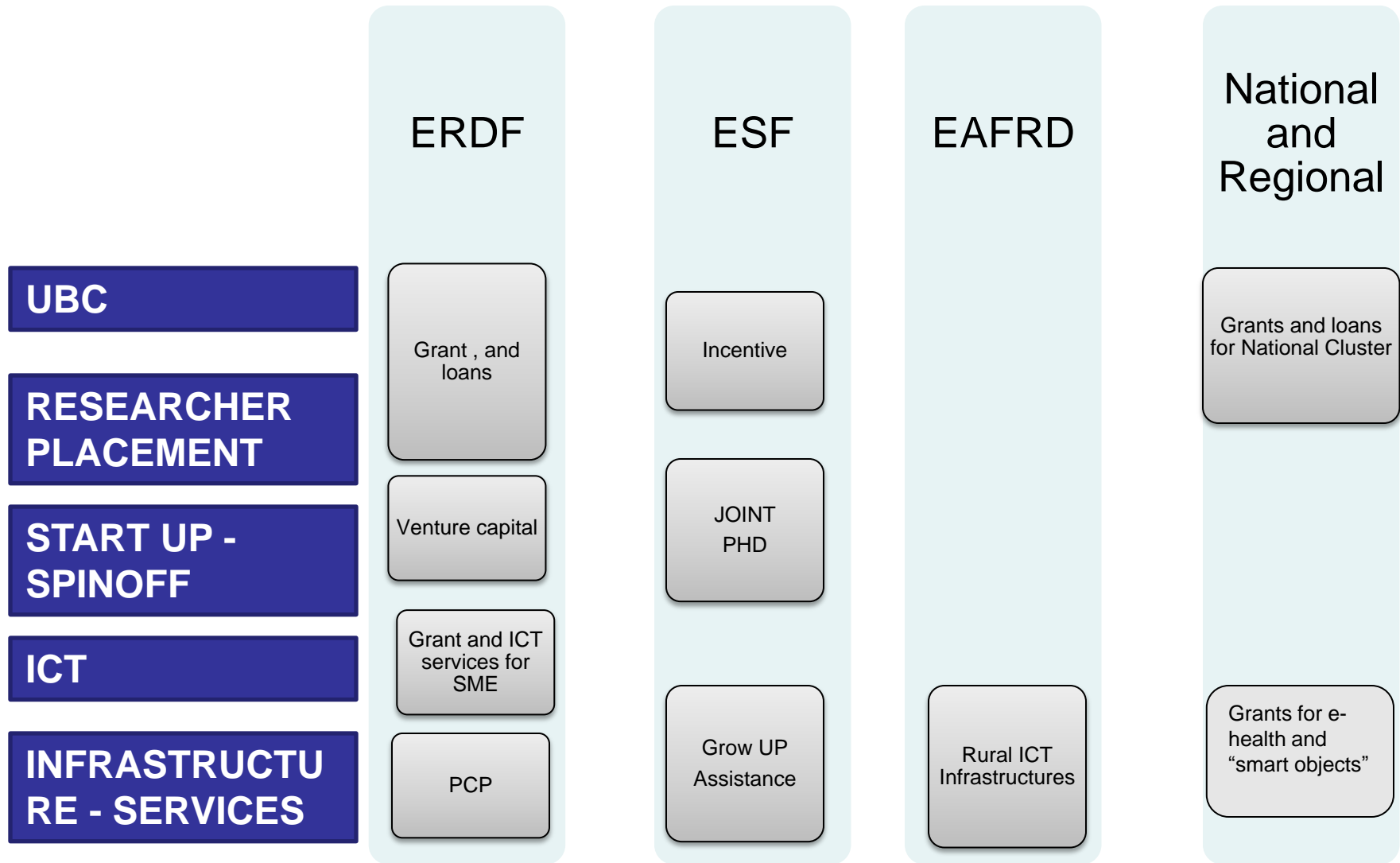
An on going and continuous process....

1. The main regional assets and challenges are identified
2. Criteria are set out: regional strengths, competitiveness, internal social challenges
3. Key priorities go under consultation
4. Policy maker take responsibilities on their choice
5. Revision

From Vision to Actions



From actions to tools and sources

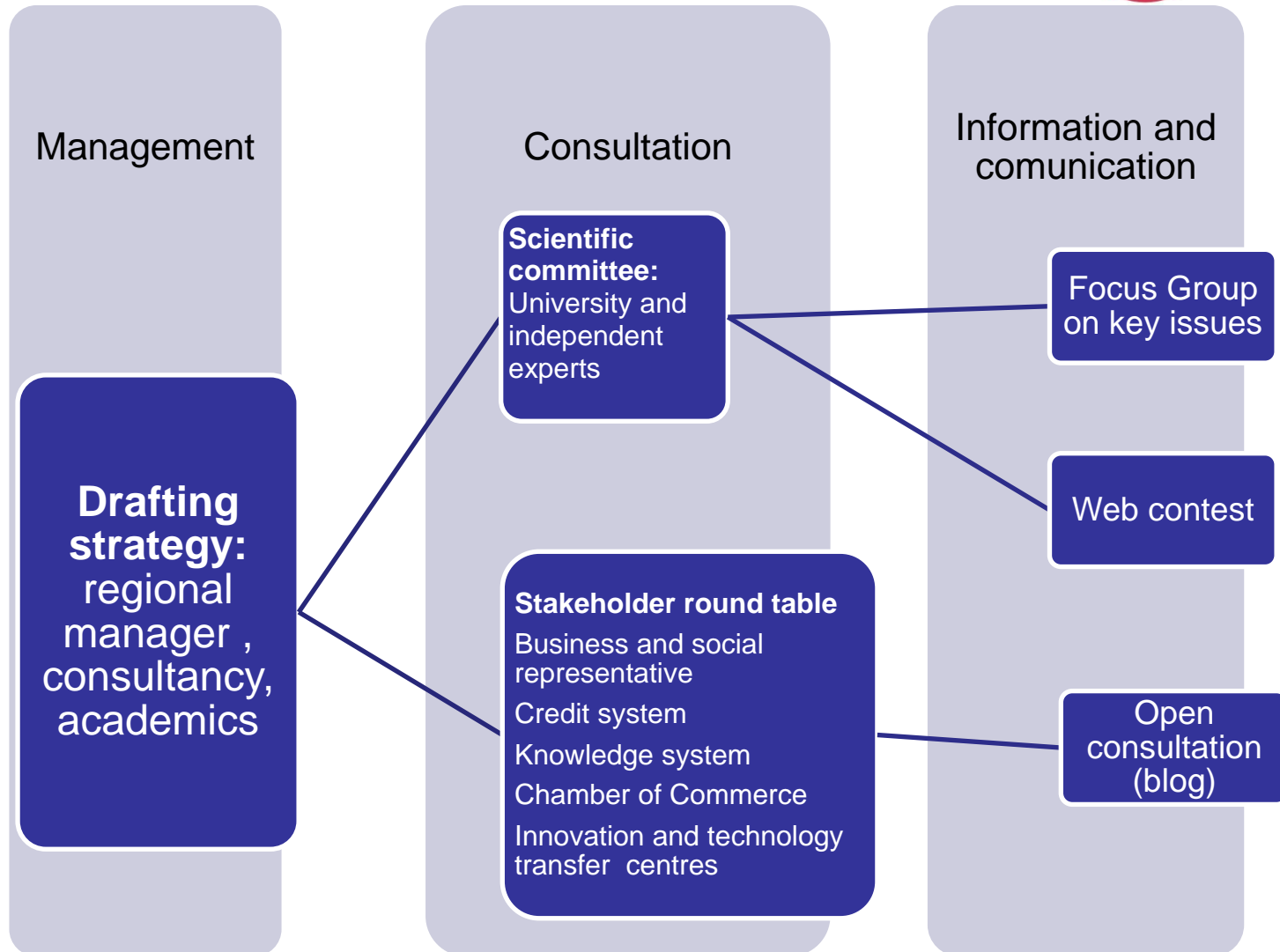


Other potential resources

- **HORIZON**
- LIFE LONG LEARNING PROGRAMMES
- Other initiatives from the EU FLAGSHIP
- BEI
- EUROPEAN TERRITORIAL COOPERATION (IPA, ITALY-CROATIA, MED, SEE)
- PRIVATE FUNDS FROM:
 - PRIVATE & PUBLIC PARTNERSHIP
 - FOUNDATION



Governance



Measuring, evaluating, revising

Measuring

Set of context indicator



Set of Performing indicator



Set of result indicator



- a) Economic / financial
- b) intangible (linked to behavior's changes)

Evaluating

On going evaluation (3 years)
(Up dating of Context analysis

qualitative -
case study)

Final evaluation (2020)
(Quantitative counterfactual)



Revising (mid term and final)

Peer review with
other 4 regions

Stakeholders
regional table

Indicators

Result: main features

- Addressing the “change” in the “**additional “behaviour** Regional Innovation and Research system
- Few (4- 5)
- Qualitative and quantitative



Indicators

Result: main features

- Addressing the “change” in the “**additional behavior**” within Regional Innovation and Research system
- Few (4- 5)
- Qualitative and quantitative

Result: what they measure

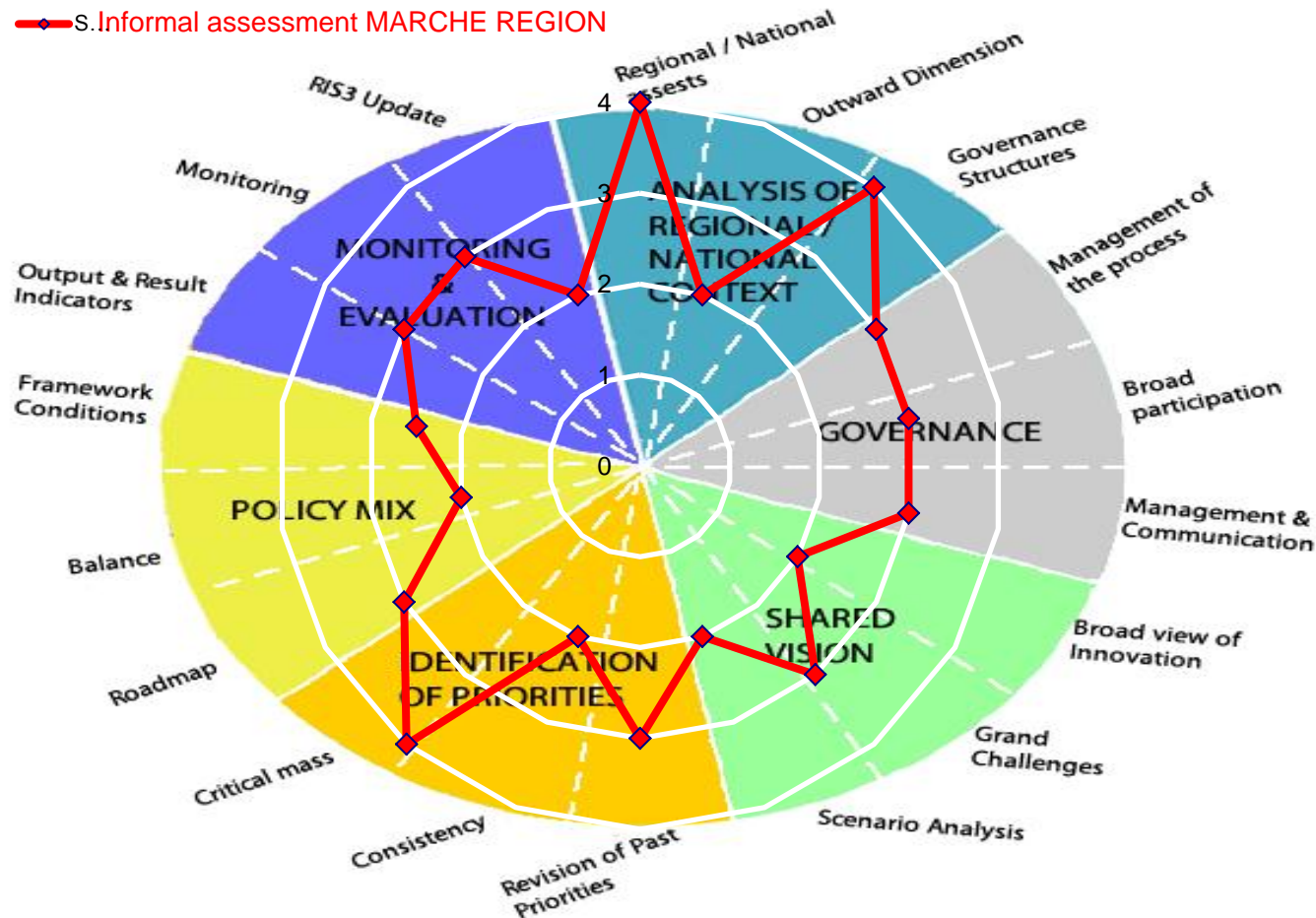
- The collaboration Business – University
- Networking among SMEs (cross fertilization)
- The R&D Human capital in the SME
- The technology transfer (from Univ. To SME)
- Classic Business performance indicators (secondary effect – counterfactual)



self-assessment

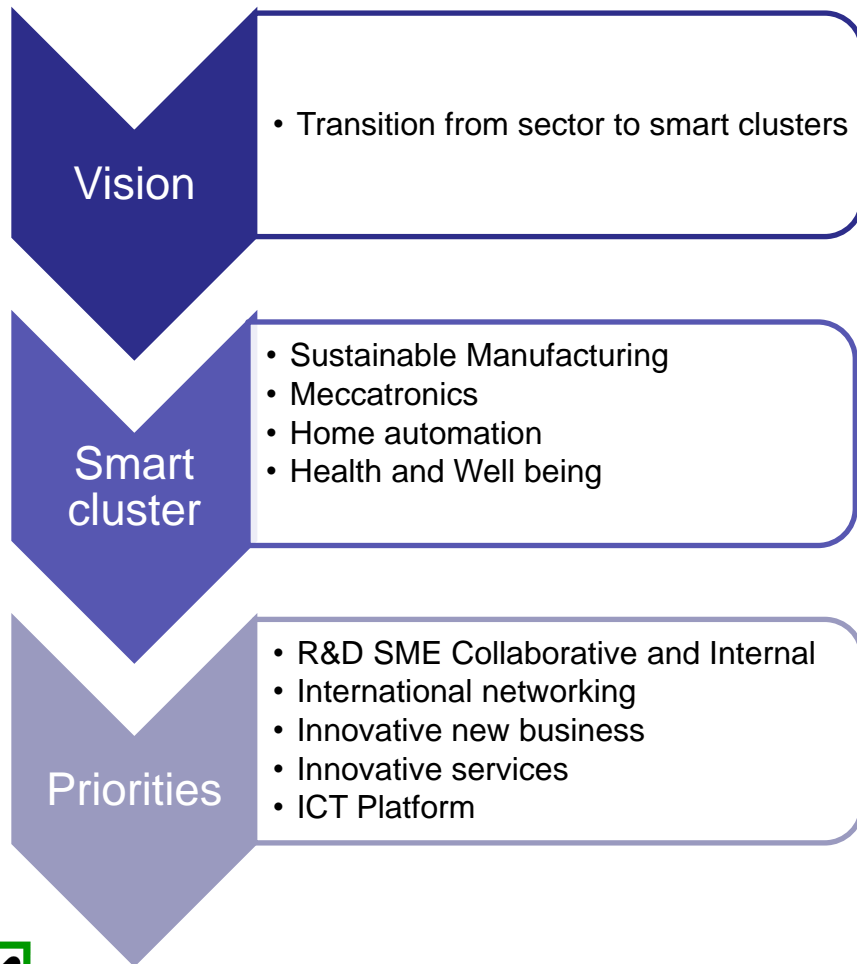
Driving economic change through smart specialisation/RIS3

—◆— S. Informal assessment MARCHE REGION



Source: a

Summary and next steps



FUTURE MILESTONES

- Fine tuning of Action Plan (especially for the policy delivery tools)
- Shaping +2014 the ROPs (ERDF – ESF)
- Validate the strategy
- Political decision



Issues related to International dimension

- How can we support SMEs in building European Networking exploiting European Programs?
- How can we support Universities going beyond their regional status?
- How can we create links and connections beyond European level in a global value chain perspective ?

WHO	European dimension
SME	Horizon 2020 (and other programs) ETC Programmes – building Community (IKTIMED)
Cluster	Joint actions to adress Horizon 2020
University	Horizon 2020 Marie Curie (International mobility, Universities supported by specific technical assistance)
Project networks	Rewarding mechanism the best networking Projects funded by the Regions (through assistance vouchers) to compete for Horizon 2020



Other issues.....

- We intend to measure the change in behaviour (additionality), do you have some concrete examples of similar result indicator?
- How can we build consensus to “help” policy makers in taking responsibility in smart specialisation?
- Why don't figure out to establish a European Network which will allow a mid term peer reviewing exercise among similar regions?



Statistical annex

Economic specialisation: manufacturing system structure



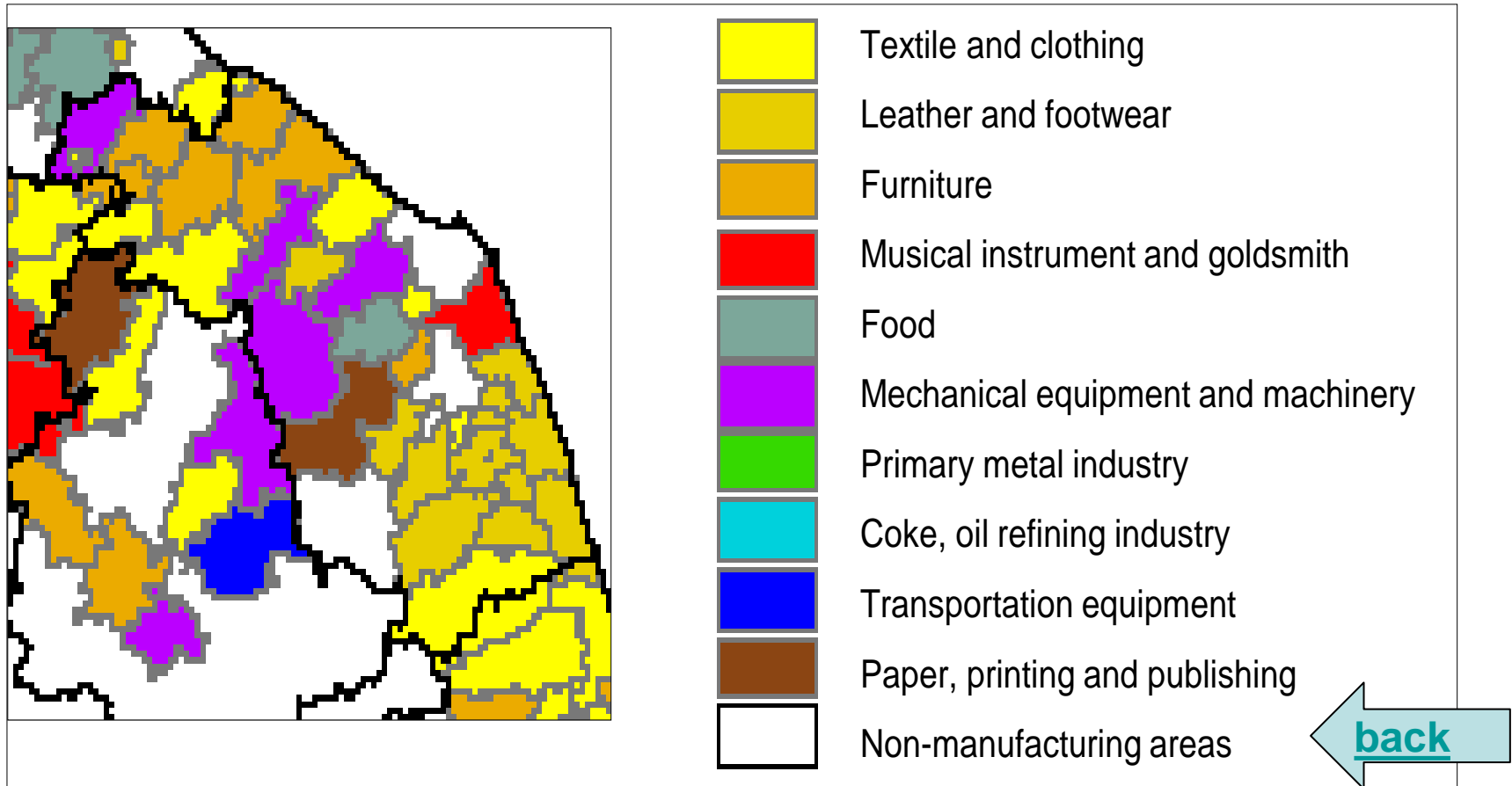
Share of manuf. sectors	Marche	Italy
% of the total employees (2000-07)	29.4%	16.8%
% GDP (2000-07)	23.0%	17.8%
% registered firms (2012)	13.5%	10.0%
% employees per 100 inhabitants	12.0%	7.1%
Firms up to 50 empl. (SMEs)	62%	57%
% employ. in ind. districts (2007)	79.7%	39%

[→ district industrial specialisation](#)



Source: Our elaborations from Istat, Eurostat , Espon, Marcheinnovazione

Economic specialisation: the local labour systems



Source: Our elaborations from Istat

Economic specialisation: commercial performance

High propensity to export	1/3 of regional GDP is exported 2012 (II trimester): +4.8% in Marche and +3.5% in Italy
Export capacity	Exports towards emerging economies increased in last ten years (2000-10): 10.6%,
Specialisation of export	Common sectors with China: <ul style="list-style-type: none">•7 out of 15 sectors of specialisation in 2000 (i.e. footwear, machinery, furniture, metal manufacture, various manufacturing products, clothing, leather)•10 out of 15 sectors of specialisation in 2010 (new sectors: industrial equipment, transport material, paper)



Scientific and technologic specialisation: crucial role of Universities in the R&D Marche system



	Marche	Italia
R&D Expenditure on GDP	0.7 % (2009)	1.3% (2009)
% of the total employees	0.7% (out of the employees); 3.3 per 1,000 inhabitants	4.0 per 1,000 inhabitants

Scientific specialisation (share of University employees in scientific - technic domains)

- > 80% at the University employees in Politechnic University (Ancona) and of the University of Camerino
- 30-40% at the University of Urbino
- <10% at the University of Macerata



Scientific and technologic specialisation: human capital



	Marche	Italy
Graduated people in technic-scientific disciplines	13,10% (2008)	12,10% (2008)
Tertiary educated people between 25 and 64 years	15,2% (2011)	14,90% (2011)

