ARAGÓN:
Towards a RIS3 strategy

S3 SMART SPECIALISATION PLATFORM

ARAGÓN

Palma de Mallorca, 8 February 2013
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GOBIERNO DE ARAGON

Our Expectations from the Peer-Review Workshop

- We are pretty well advanced in the setting up of priorities in the S3 process but the present situation of crisis is very challenging

- How far should we go in specialization along the three priorities already defined ?

- How can we involve economic and innovation players in the next steps of the process ?

Introduction of Aragon work on Research and Innovation Strategy

ARAGÓN: Basic Information

- **Aragón has one of the lowest population density in Europe.**
  - **47.720 Km² (9,5% part of the national total)**
  - **1.346.293 inhabitants (2,85 % part of the national total)**
  - **Population Density: 27,80 inhab./km²**
    - **Spain: 82,68 inhab./ km²**
    - **Europe (EU25): 117,25 inhab./ km²**
- **95% of the territory is "fragile and hardly structured" rural zones**
- **More than half of the population lives in Zaragoza and its metropolitan area.**

Introduction of Aragon work on Research and Innovation Strategy

SMART SPECIALISATION PLATFORM
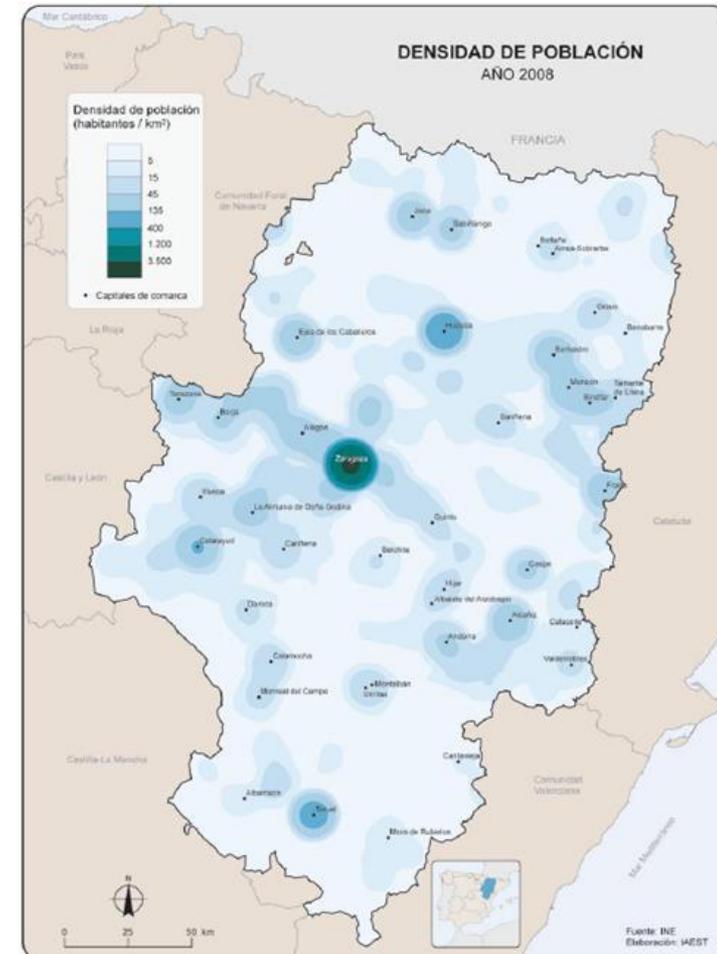
R&D&i Strategy in Aragón

Política Regional de I+D+i

Ley de la Ciencia

I Plan Director para el desarrollo de la Sociedad de la Información 2005-2008

II Plan Director para el desarrollo de la Sociedad de la Información 2009-2011

I Plan Director de Infraestructuras de Telecomunicaciones de Aragón

I Plan Autonómico de Investigación, Desarrollo y Transferencia de Tecnología 2002-2004

II Plan Autonómico de Investigación, Desarrollo y Transferencia de Tecnología 2005-2008

III PAID 2013-2015

Estrategia Aragonesa de Innovación
INNOVAragón

Programas de Apoyo a la Innovación

RIS aragón

INNOVAragón

RIS ARAGÓN

RIS + ARAGÓN

PRAI I InnovAragón

PRAI II InnovAragón

RIS 3

| 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 |

Introduction of Aragon work on Research and Innovation Strategy

RIS 2012 region groups
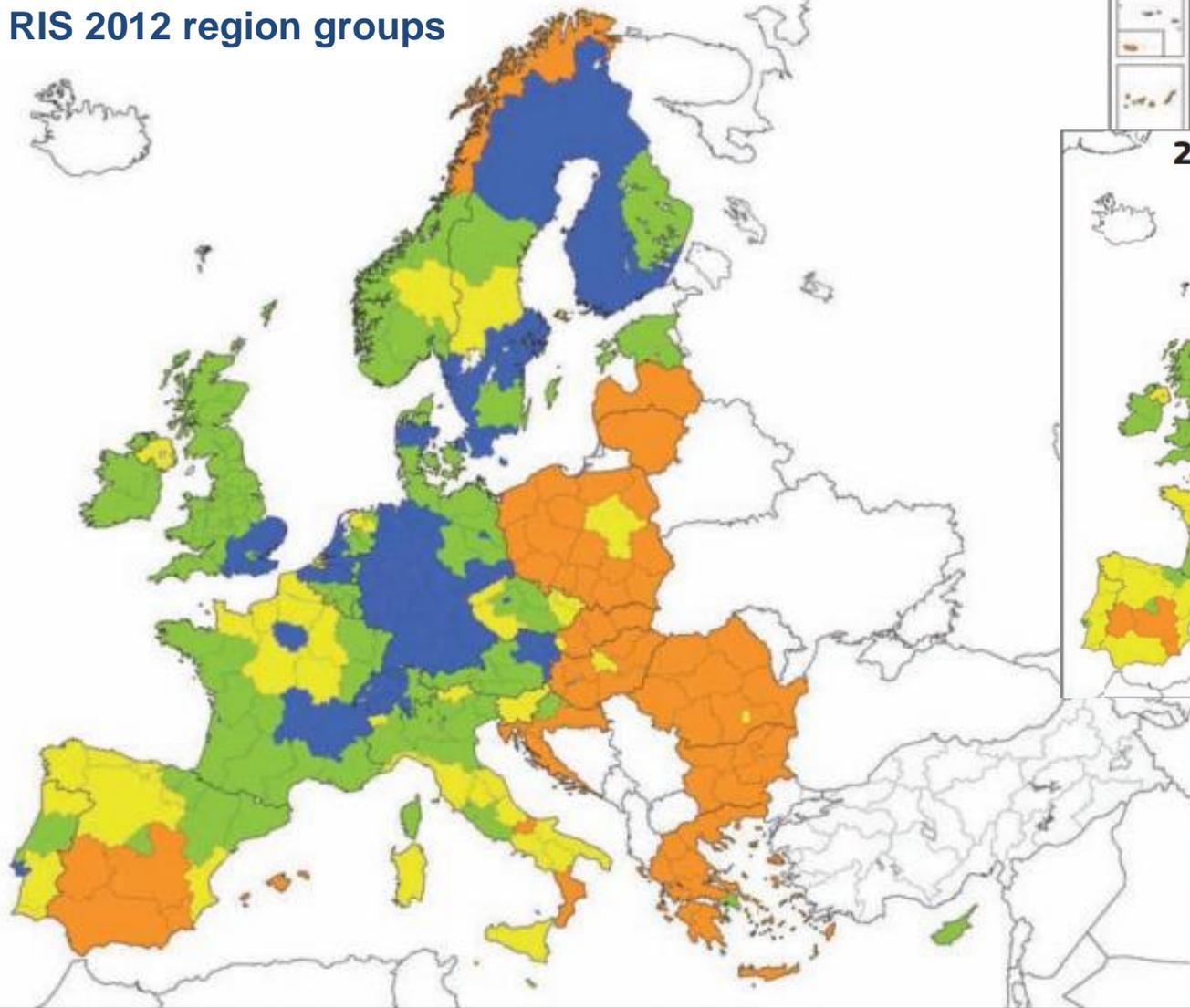
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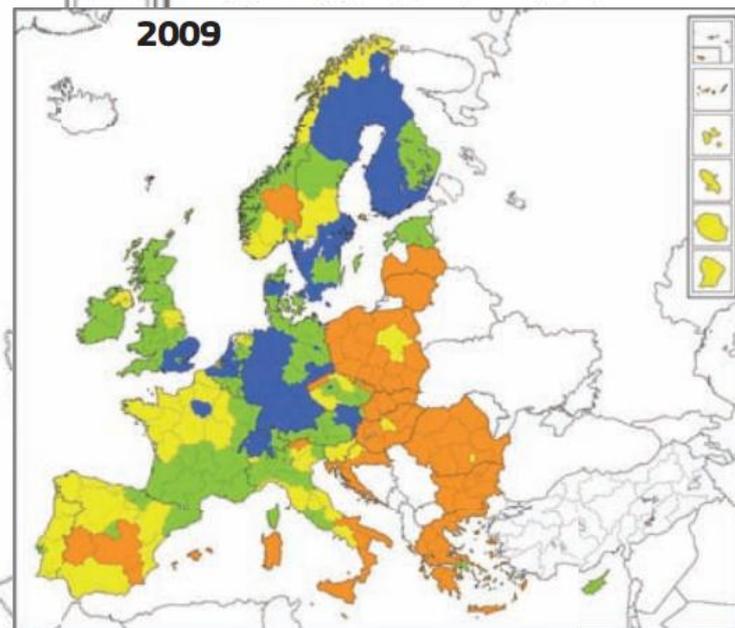
INNOVATION LEADER

INNOVATION FOLLOWER

MODERATE INNOVATOR

MODEST INNOVATOR

Place-based dimension of the RIS3

- Key elements:
  - Strategic geographical location in Spain, a few strong sectors, good research infrastructures, industrial tradition, high level of education, innovative Zaragoza
  - But also strong territorial unbalances, lack of critical mass in many sectors, decrease in R+I spending, lack of global strategy
  - Key challenges of climate change and ageing population

- SWOT analysis
  - Detailed document available
  - On the Web portal "Aragon participa"

GOBIERNO DE ARAGON

aragón Participa

A+ A- reset

Agenda   **Documentos y enlaces**   **Órganos de participación**   **Procesos de Participación**   **Actualidad**   **Jornadas e iniciativas**   **Ayuntamientos y Comarcas**

Inicio

PARTICIPA en la Estrategia Aragonesa de Investigación e Innovación para una especialización inteligente

El Gobierno de Aragón, a través de la Dirección General de Investigación e Innovación y la Dirección General de Participación Ciudadana, Acción Exterior y Cooperación, asume la necesidad de elaborar la Estrategia aragonesa de Investigación e Innovación para una especialización inteligente, con la implicación y participación de todas las partes interesadas.

La adecuación de esta Estrategia a los retos actuales exige partir de unas matrices DAFO que permitan extraer un análisis y evaluación del potencial de especialización inteligente en la Comunidad Autónoma de Aragón.

Desde el Gobierno de Aragón se invita a todos los agentes, entidades y personas implicadas, a participar en el diseño de este documento previo, llamado Análisis inicial, a través de la encuesta publicada en el portal Aragón Participa.

Para la realización de esta encuesta, cuyo plazo esta abierto hasta el 15 de noviembre, se pone a su disposición el cronograma, el Análisis inicial a valorar y una presentación en formato pdf como documentación complementaria de su interés.

Documentación Adjunta

- Cronograma
- Análisis inicial (DAFO)

Documentación Complementaria

- Grupo de Trabajo Gobierno de Aragón para el desarrollo de la RISS 3

Place-based dimension of the RIS3

- How can Aragon use innovation to address the challenges?

  - Need to focus our specialization (ex: connectivity)
  - With more cooperation with other regions (ex: agro food, tourism, photonics, nano…)
  - We need to take into account the non technological innovation

Looking beyond Aragon's boundaries

- The aragonese RIS3 will give much importance to the external context, in Spain and from a European - international perspective
  - Highlighted in the SWOT analysis
  - Strong activity in Brussels thanks to the Aragon´s Office in Brussels, Aragon Exterior, Red 7 PM
  - Aragon takes part in two "Regions of Knowledge" projects in logistics and water management

- Cooperation with other regions
  - We visited Navarra, Cataluña, Aquitaine, Midi Pyrénées
  - Much importance given as a whole to cross border and interregional cooperation

Entrepreneurial dynamics

- Entrepreneurial dynamics in Aragon:
  - Mainly at SME level, few large companies
  - Usual channels of representation of economic and social actors
  - Association of Young entrepreneurs
  - Nine very diverse clusters

- Involvement of entrepreneurial actors in your Region:
  - Involvement of all identified actors in the RIS 3 process
  - Including research, innovation and education
  - More attention to be paid to incubators and support to new entrepreneurial actors

RIS 3 Governance

- Leadership: DG Research and Innovation within the Ministry of Industry and Innovation, Gobierno = Regional Authority

- Core Working Group: Ministry of Industry and Innovation

- Aragon on the S3 platform since February 2012

- Involvement of the 9 Ministries, three meetings of information in July 2012, strong cooperation with Budget (Structural Funds), Economy and Rural Development (FEADER)

- Strong involvement of the Spanish Ministry of Economy and Competitiveness, participation of the State Secretary for Research and Innovation in an event organized in Zaragoza on October 30th, 2012

- Four meeting of information of stakeholders in July (economic and social partners, research, innovation, education)

RIS 3 participation process

Aragon on the S3 platform

Core working group Ministry of Industry & Innovation

Basic document analysis of regional potential

Future global vision Meeting with EC´s adviser

Policy mix: roadmap and action plan

Approval by Aragonese Gov and EC

Timeline: ene-12 · feb-12 · mar-12 · abr-12 · may-12 · jun-12 · jul-12 · ago-12 · sep-12 · oct-12 · nov-12 · dic-12 · ene-13 · feb-13 · mar-13

Sevilla Meeting S3 platform

Involvement of all Ministries of Government and stakeholders

Basic document SWOT. Meeting with stakeholders: Vision and challenges

Meeting with stakeholders. Selection of priorities.

Integration of monitoring and evaluation mechanisms

Priorities

- Suggested during the 30.10 event, discussion remains open

- Three key priorities

- To be aligned with the six priority sectors identified in the Aragonese Strategy for Competitiveness and Growth adopted in Aragon in July 2012

- Four transversal axes

- We started to write the S3 in December, on going process , useful advice from the DG REGIO expert

SMART SPECIALIZATION PRIORITIES IN ARAGÓN

TERRITORIAL BALANCE

CHALLENGES:

Ageing

Depopulation

Territorial Development

Health

STRENGTHS AND OPPORTUNITIES:

Health & Biotecnology

Tourism & Trade

Culture & Heritage

Territory & Quality of Life

Agrifood

CONNECTIVITY

CHALLENGES:

Smart Transport

Opening the Territory

Connectivity

Cross-border Cooperation

STRENGTHS AND OPPORTUNITIES:

Logistics & Transport

Automotive

New Materials

Industry & SME Excellence

RESOURCE EFFICIENCY

CHALLENGES:

Energy

Climate Change

Desertification

Food Security

STRENGTHS AND OPPORTUNITIES:

Water

Energy

Hydrógen

Energy Efficiency

SMART SPECIALIZATION PRIORITIES IN ARAGÓN

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CHALLENGES:

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Food Security

Education and Training

Health & Biotecnology

KETs (Key Enabling Technologies)

Culture & Heritage

New Materials

Hydrógen

ICT

Smart Cities and Territories

SUSTAINABLE CONNECTED TERRITORY

Digital Growth Priorities

- Our SWOT analysis includes a specific chapter dedicated to ICT

- ICT are one of strategic sectors in the "Aragonese Strategy for Competitiveness and Growth", which is planning the Goverment´s economic policy.

- Main objectives:
  - The structuring of the territory, through infrastructure and telecommunications services
  - Integration of ICT in enterprises
  - Knowledge transfer
  - Boost of eGovernment and open Government

- More challenging over the whole territory, e-accessibility and e-health

Implementation and Budget

- We will align in the future our present regional innovation strategy "InnovAragon" with RIS3 according to the request of the Spanish Ministry

- Our budget for Innovation is 35 M€ until 2017

Measuring the progress

- No mechanisms planned yet for monitoring and evaluation of the strategy's implementation

- We will involve keep players

- Definition of outcome indicators /plan to use to measure the success is our next challenge

- Possible review of the strategy based on our evaluation to be foreseen

ARAGÓN self-assessment

Aragón self-assessment
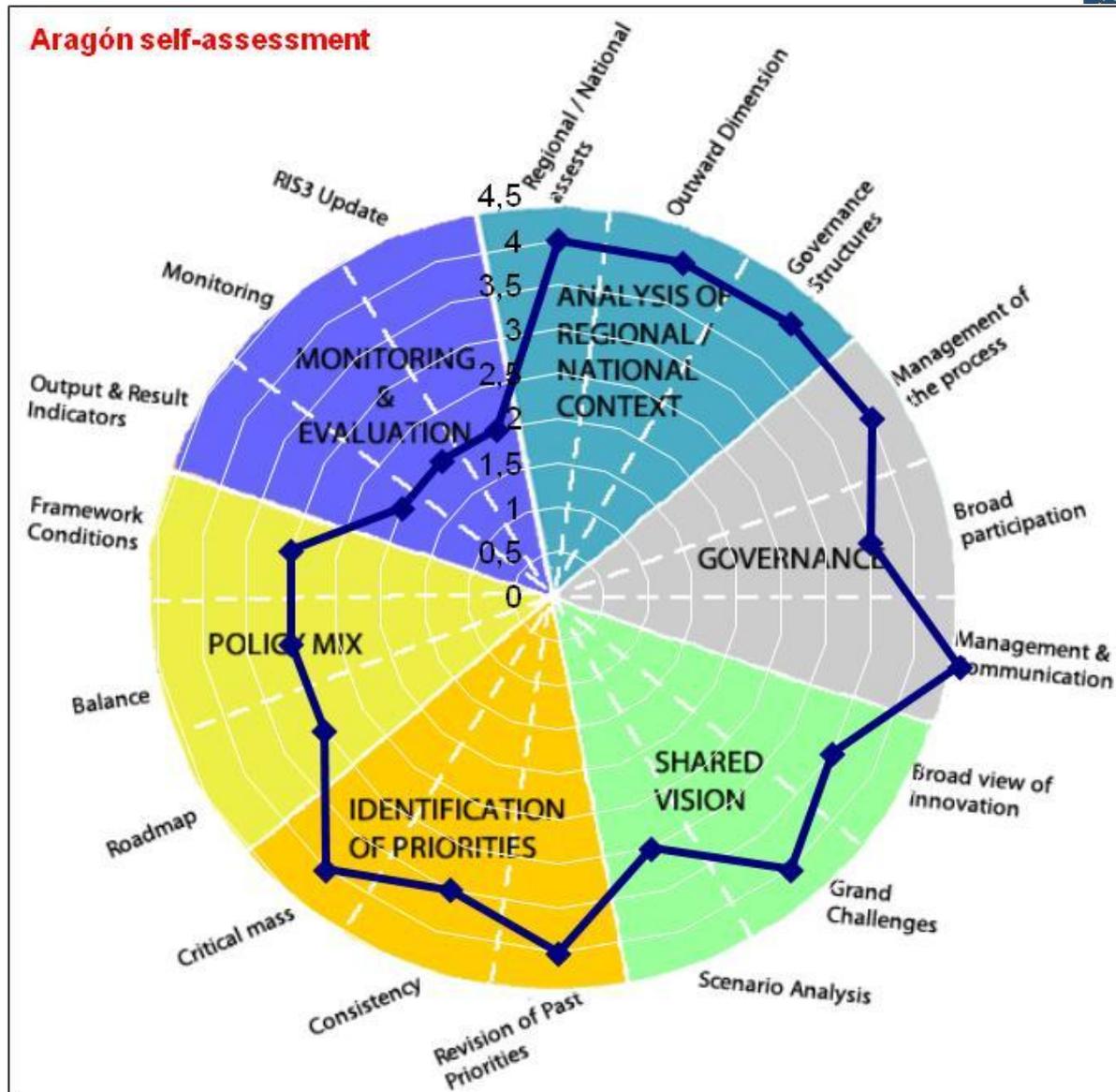
Summary and next steps

- Our policy makers, the regional/national administrations, the business community in Aragon are at this stage pretty well aware of the process and supportive, much visibility given to our work in 2012 at a regional, national and European level

- Next steps (in the short and medium term) to develop a good RIS3 in our region
  - A strong involvement of the Gobierno of Aragon at President's and ministry´s level
  - A good dialogue with all stakeholders

- Establish a strong monitoring process of the RIS 3.

Friendly questions for discussion
Issues and needs

- What are your expectations from Smart Specialisation?
  - A common vision with all stakeholders in the long term
  - Good alignment of Aragon´s RIS3 with funds available in the frame of the priorities for Research and Innovation

- In which areas do you need new ideas or know-how to get there?
  - On going process of cooperation with Spanish & French neighbour regions
  - How can we focus more our priorities ?

- Building a formal/informal network with the regions present at this workshop for discussing other issues in the future?
  - Keep in touch with other regions in the phase of implementation of our RIS 3, which will be challenging
  - Get the best out of the S3 platform in the future

Muchas gracias por su atención

Thank you very much

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