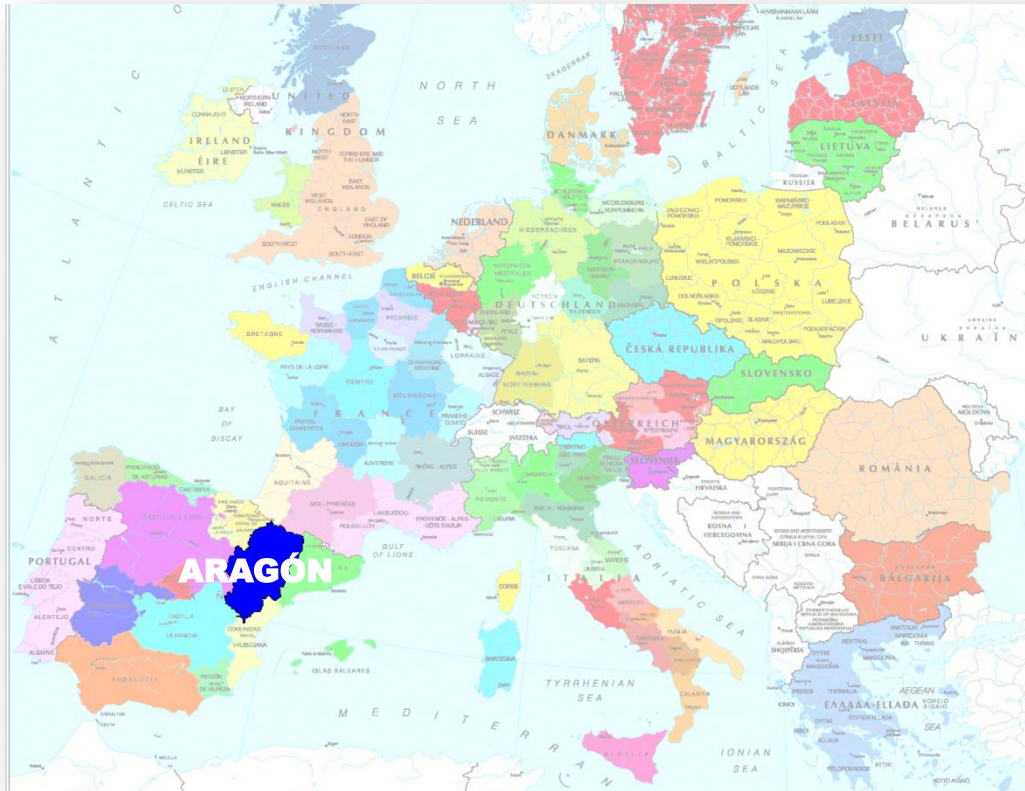


ARAGÓN: Towards a RIS3 strategy



Palma de Mallorca, 8 February 2013
Miguel Angel García Muro
Olivier Brunet

Our Expectations from the Peer-Review Workshop

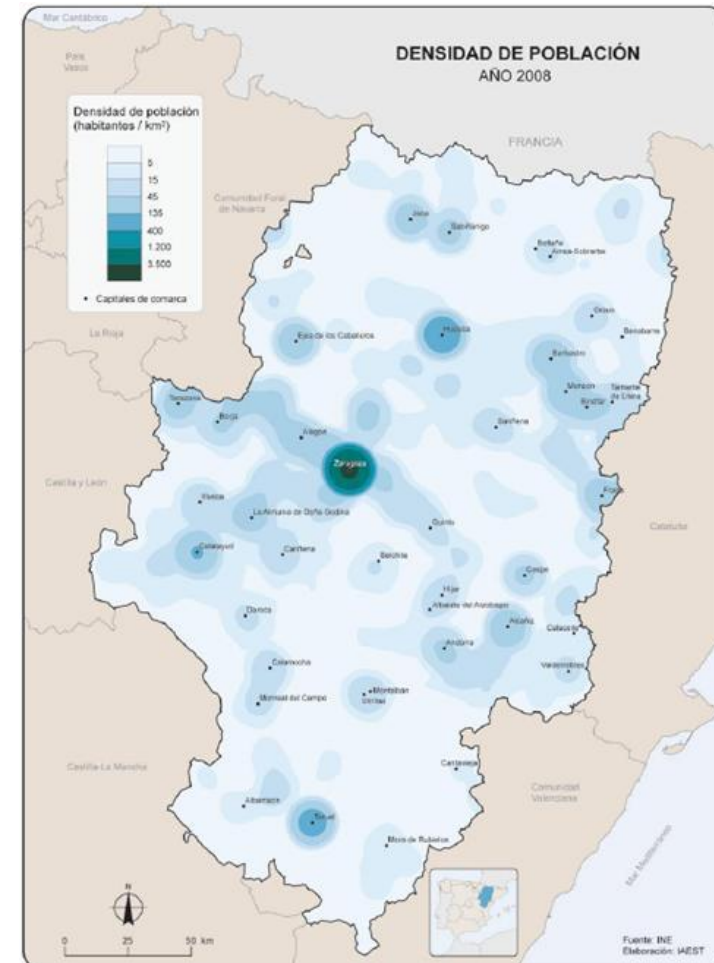


- We are pretty well advanced in the setting up of priorities in the S3 process but the present situation of crisis is very challenging
- How far should we go in specialization along the three priorities already defined ?
- How can we involve economic and innovation players in the next steps of the process ?

Introduction of Aragón 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



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

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

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

III PAID 2013-2015

Estrategia Aragonesa de Innovación

INNOV ARAGÓN

Programas de Apoyo a la Innovación



INNOV ARAGÓN

RIS ARAGÓN

RIS + ARAGÓN

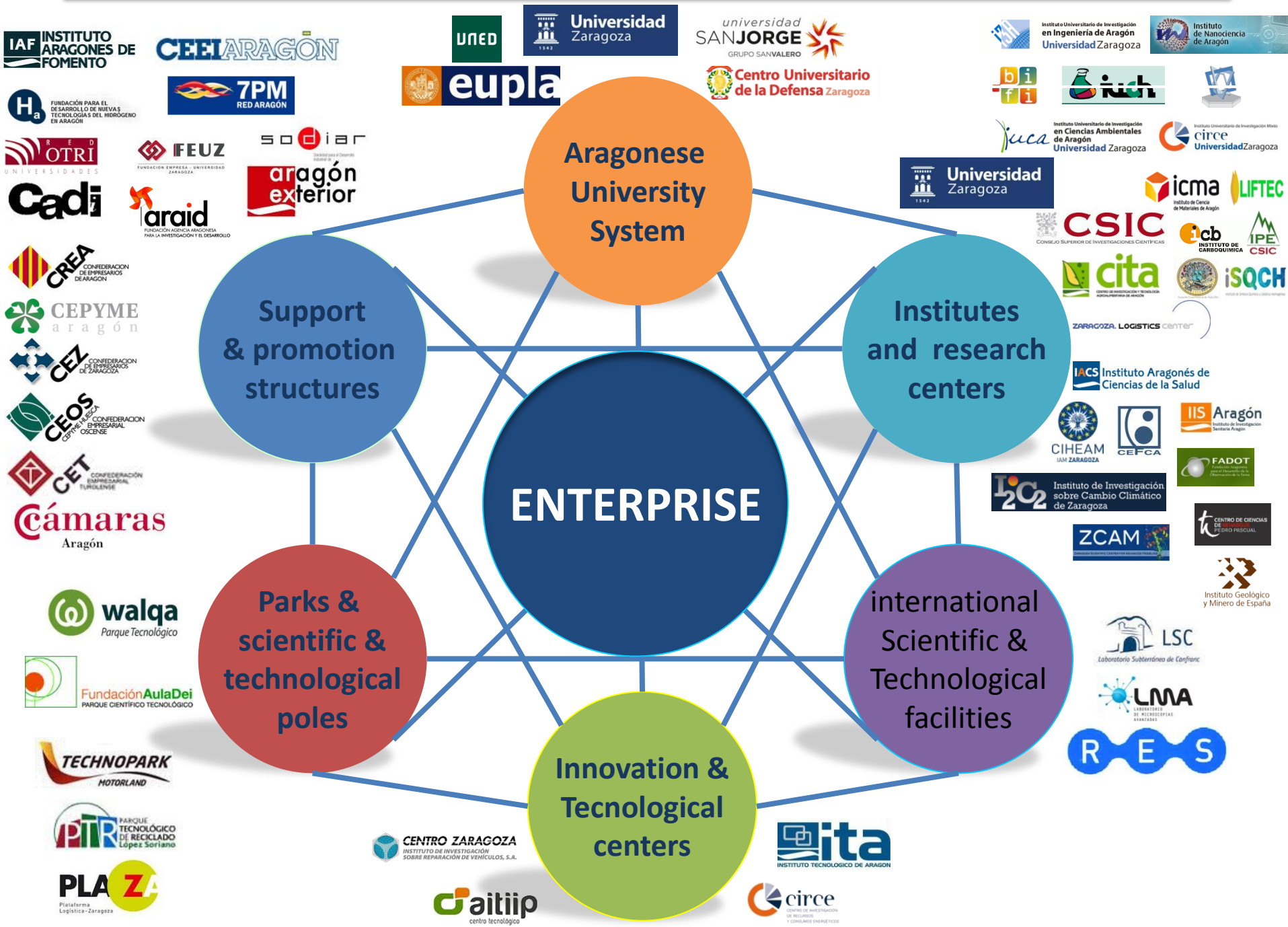
PRAI I InnovAragón

PRAI II InnovAragón

RIS 3

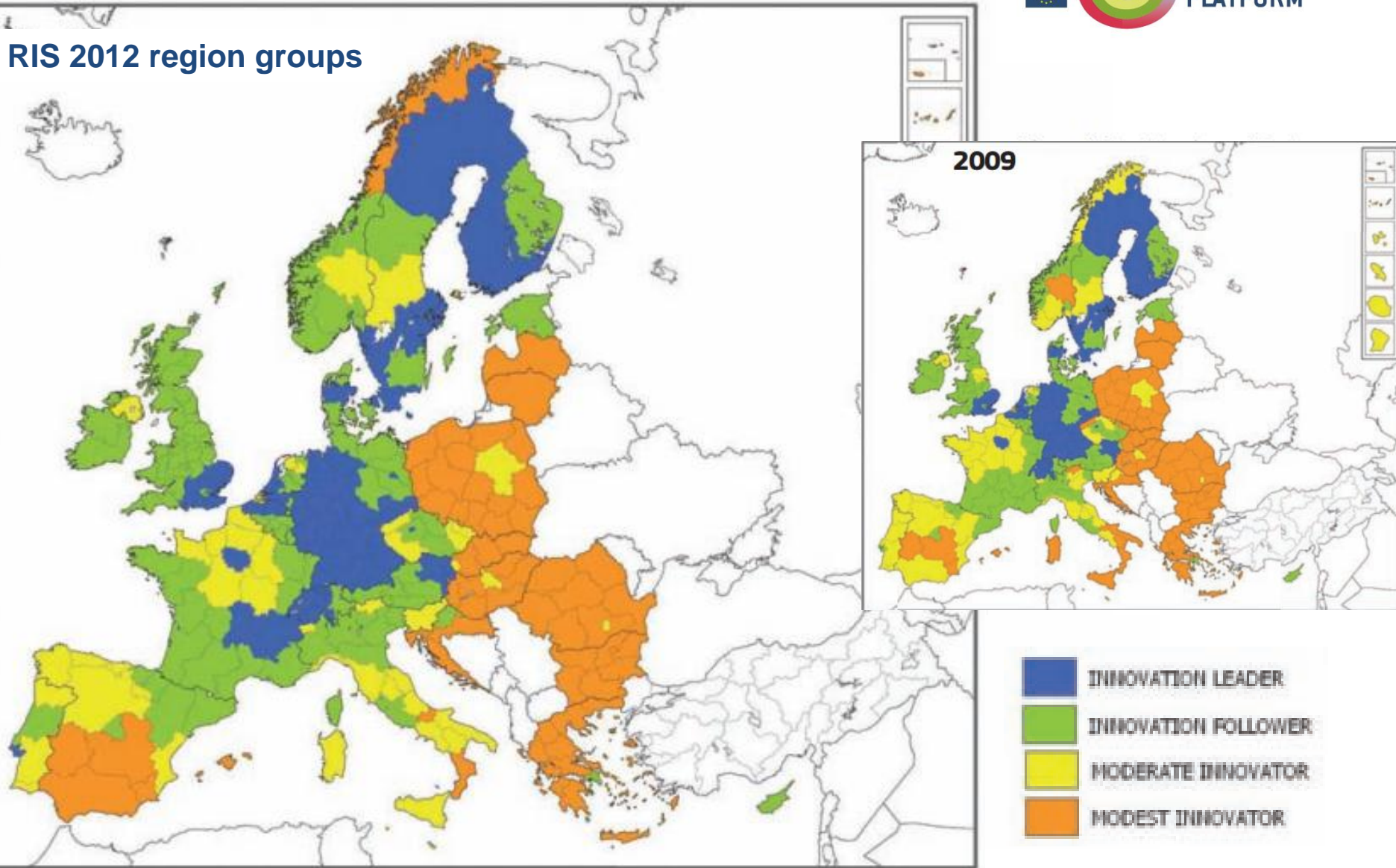
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

SISTEMA DE INNOVACIÓN DE ARAGÓN



Introduction of Aragon work on Research and Innovation Strategy

RIS 2012 region groups



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”





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

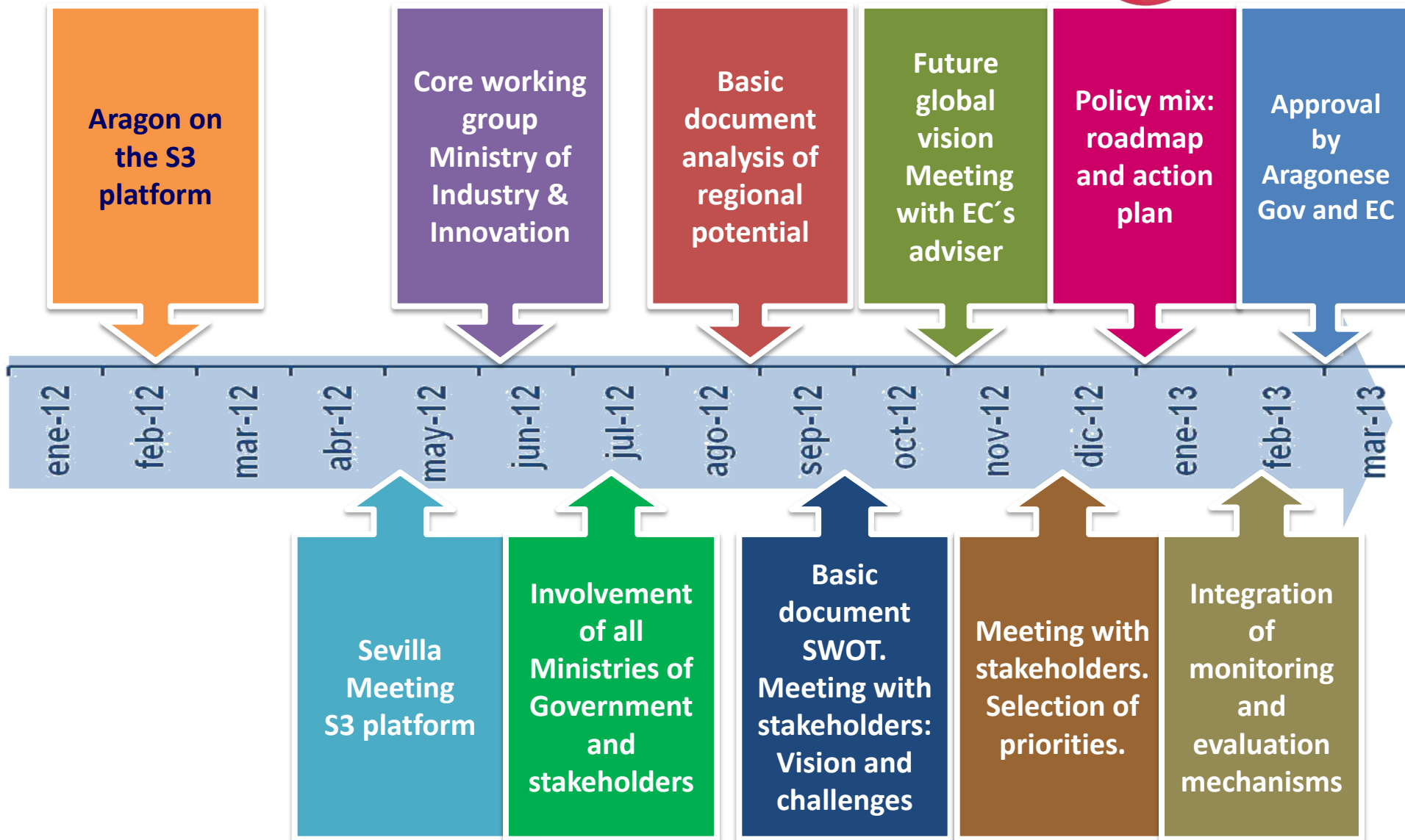


- Entrepreneurial dynamics in Aragon:
 - Mainly at SME level, few large companies
 - Usual channels of representation of economic and social actors
 - Association of Young entrepreneurs
 - Nine very diverse clusters
- Involvement of entrepreneurial actors in your Region:
 - Involvement of all identified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



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 & Biotechnology
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

TERRITORIAL BALANCE

CHALLENGES:

Ageing
Depopulation
Territorial Development
Health

CONNECTIVITY

CHALLENGES:

Smart Transport
Opening the Territory
Connectivity
Cross-border Cooperation

RESOURCE EFFICIENCY

CHALLENGES:

Energy
Climate Change
Desertification
Food Security

Education and Training

Health & Biotechnology

KETs (Key Enabling Technologies)

Culture & Heritage

New Materials

Hydrogen

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 Government’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

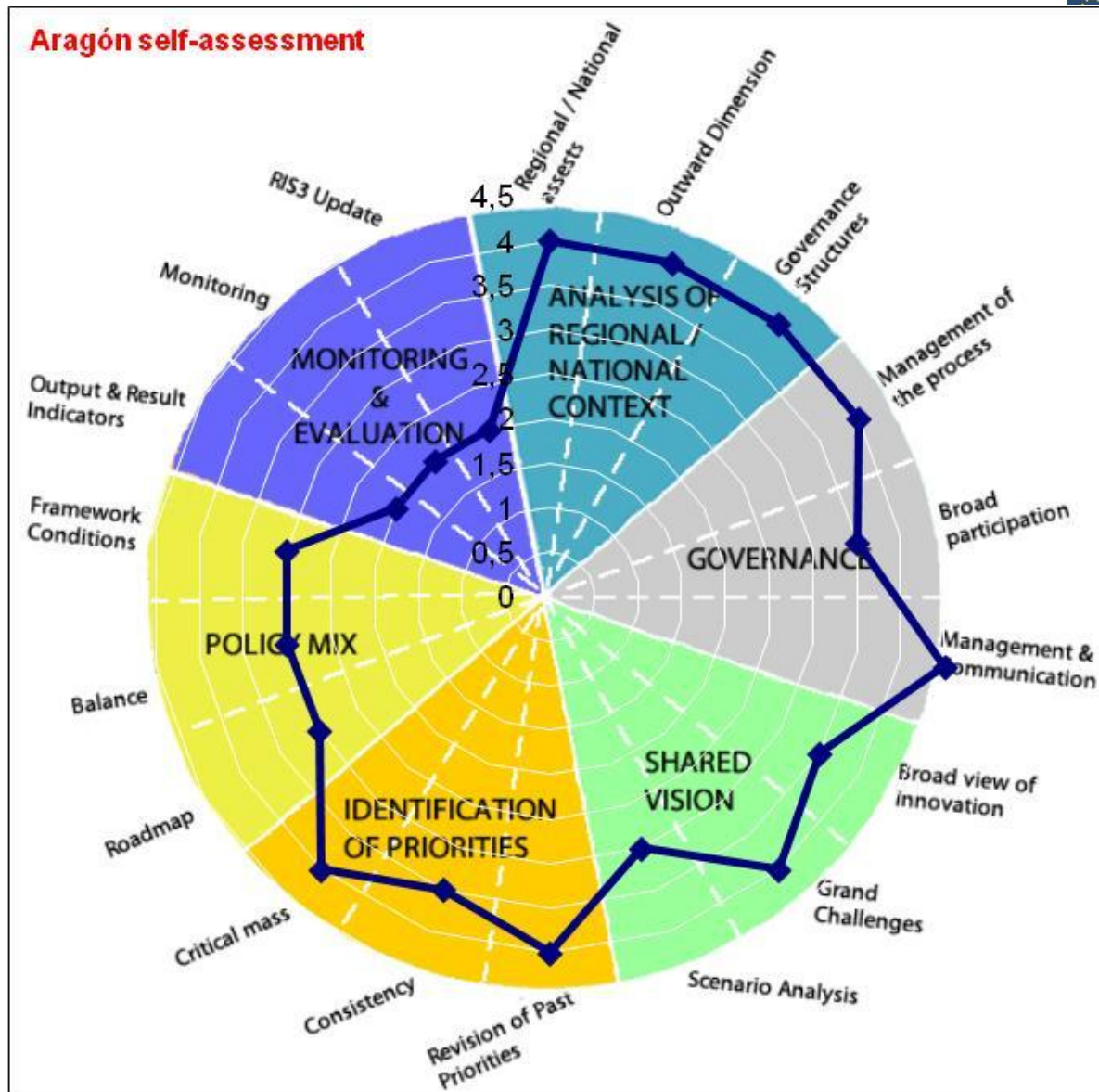


- We will align in the future our present regional innovation strategy “InnovAragon” with RIS3 according to the request of the Spanish Ministry
- Our budget for Innovation is 35 M€ until 2017

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



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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Gobierno de Aragón**

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