



Online S3 Newsletter

ONLINE S3 Consortium

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Galician S3 newsletter

The Galician Regional RIS3 outlines a vision that seeks to consolidate the local economy by improving growth and competitiveness. This vision will necessitate the transformation of the current production model from medium-low technological intensity to a more advanced medium-high technological intensity. This transformation shall embed key enabling technologies (KET) into established sectors, enabling the region to become a leading developer of knowledge-intensive services, especially those related to active aging and healthy lifestyles.

This shared vision is the result of extensive dialogue between all stakeholders within the regional innovation ecosystem, resulting in the creation of a 'Capacities Inventory'. The 7 working groups convened to compile the capacities inventory identified 30 potential niche markets. This resulted in the development of 18 prioritized niches, subsequently synthesized into 10 priorities and 3 key challenges for the future implementation of the Galician Research and Innovation Strategy for Smart Specialisation (RIS3):



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Challenge 1: A New Model for the Innovative Management of Natural and Cultural Resources

Aim: To modernise traditional market sectors by integrating innovative technology that will improve productivity and resource efficiency. This includes the further development of endogenous products, whose applications can be re-orientated towards high-value uses in energy, aquaculture, drug, cosmetic, food and cultural activities. This challenge is organised around 5 priorities:

CHALLENGE 1- PRIORITIES	
1.1	Valorization of by-products and waste generated by production chains linked to the sea, through the use of their components for cosmetic products; food additives; pharmaceutical applications; in order to achieve a significant decrease in generated waste and attain a position in the market for innovative products with added value [Valorization-Sea]
1.2	Development of the Galician aquaculture sector to convert the region into an international reference point for the generation of new technology-based products and services applied to aquaculture [Aquaculture]
1.3	Diversification in the Galician energy sector in order to gain significant improvement in the efficiency of natural resources use in Galicia, giving priority to biomass and marine energy [Biomass and Marine Energies]
1.4	Modernisation of the Galician primary sectors (agriculture, fishing, livestock and forestry) aimed at sustainable improvement of the efficiency and profitability indicators for operations and creation of innovative products and services [Primary Sectors Modernisation]
1.5	Modernisation of the tourism sector and Galician cultural industries by means of intensive use of ICTs to achieve a tourist sector that is competitive at a European level based on cultural and nature tourism [ICT-Tourism]

Challenge 2: New Industrial Model Based on Competitiveness and Knowledge.

Aim: Increase the technological intensity of the Galician industrial sector through hybridisation of Key Enabling Technologies. This challenge is organised around 3 priorities:

CHALLENGE 2 - PRIORITIES	
2.1	Diversification in the Galician driving sectors and its auxiliary sectors via an intensive use of Enabling Technologies [KETs], geared towards the supply of new processes and high value added products that enable us to explore new markets based on hybridisation, knowledge and technology. [Diversification of Driving Sectors]
2.2	To promote the competitiveness of the Galician industrial sector under the concepts of the “Factory of the Future” and Eco-innovation to improve efficiency and environmental behaviour in the industry. [Competitiveness in the Industrial Sector]
2.3	Boost ICTs as the driving sector of the Galician knowledge-based economy just like in the case of other KETs [Knowledge Economy: ICT & KETs]

Challenge 3: New Healthy Lifestyle Model Based on Active Ageing of Population.

Aim: By 2020, Galicia shall be a leading region in knowledge intensive products and services linked to a healthy lifestyle model: active ageing, therapeutic application of fresh and marine water resources and functional nutrition. This challenge is organised around 2 priorities:

CHALLENGE 3 - PRIORITIES	
3.1	Galicia as the leading region in Southern Europe in the implementation of new technologies in the field of active ageing and healthy living, and in the promotion of personal autonomy [Active Ageing]
3.2	Diversification of the Galician food sector in order to position it as an international reference around innovation in nutrition as the key for healthy living [Food & Nutrition]

Galician role in Online S3

The Galician Innovation Agency (GAIN) participated in the Online S3 project as the organisation responsible for elaborating, managing and monitoring the region's Smart Specialization Strategy. During its participation in the project, GAIN represented Galicia as a pilot region and carried out the following activities:

- **Information:** Informed 5,312 stakeholders via different GAIN bulletins, such as GAIN Informa.
- **Stakeholder consultation:** after testing the Online S3 tools, 202 stakeholders have completed the online questionnaire.



Stakeholder involvement and collaboration: 24 stakeholders participated in a workshop for in-depth testing and analysis of the tools; 18 of these stakeholders participated in in-depth interviews at the end of the workshop.

All the tools within the Online S3 platform were tested, namely:

Phase 1: Governance

- 1.1. Vision Sharing
- 1.2. Stakeholder Engagement
- 1.3. Debate at a glance
- 1.4. Legal and administrative framework

Phase 2: Analysis of context

- 2.1. Regional Assets mapping
- 2.2. Research Infrastructure mapping
- 2.3. Clusters, incubators and Innovation ecosystem mapping
- 2.4 Benchmarking
- 2.5. Regional scientific production profile

2.6. Specialisation indexes

2.7. SWOT Analysis

Phase 3: Strategy Formulation

- 3.1. Collaborative vision building
- 3.2. Scenario building
- 3.3. Delphi-Foresight

Phase 4: Priority Setting

- 4.1. EDP Focus Groups
- 4.2. Extroversion Analysis
- 4.3. Related Variety Analysis

Phase 5: Policy Mix

- 5.1. Intervention Logic
- 5.2. Action plan co-design
- 5.3. Budgeting
- 5.4. State aid law compliance for implementation
- 5.5. Calls consultation
- 5.6. Innovation maps
- 5.7. Open Data tool

Phase 6: Monitoring and Evaluation

- 6.1. Monitoring
- 6.2. Definition of output and result indicators
- 6.3. Balanced scorecard
- 6.4. Beneficiaries and end user's satisfaction online survey
- 6.5. Social media analysis

GAIN has deployed these Online S3 tools to:

- inform the society at large and create awareness of the smart specialisation strategy;
- consult business actors for cooperation on the basis of common areas of interests;
- involve business and public-sector actors to discuss possibilities of revising the smart specialisation agenda and improve the strategy;
- reach out and liaise with relevant stakeholders from the Quadruple Helix in order to establish close contacts, identify related activities and support the opportunities this offers to redesign the research and innovation strategy for smart specialisation.

These tools have allowed GAIN to speed up the stakeholder consultation and engagement processes by linking information from different sources and connecting them to the RIS3 statement. They also provide an easy way to visualize regional data, enabling comparisons with other regions and the monitoring of business and technological trends.

For the revision of the Galician RIS3, the tools related to Phase 2 and 4 proved to be the most useful and GAIN has deployed them in compiling the region's Diagnosis Update. Furthermore, there are other tools, related to stakeholder consultation, that also offer further potential for the redesign of the Galician RIS3. In conclusion, the tools – whilst useful - do not completely replace the need for face-to-face interaction. There are also issues relating to integration with other pre-existing tools and the limitations of regional legacy systems, that should be addressed in future iterations of the platform.

ONLINE S3 project aims to develop an e-policy platform augmented with a toolbox of applications and online services, which will assist national and regional authorities in the EU in elaborating or revising their smart specialisation agenda, in terms of policies and strategy.

ONLINE S3 Project

<http://www.onlines3.eu>

ONLINE S3 Platform

<http://www.s3platform.eu/>



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