



Assessment of Smart Specialisation Strategies implementation and its impact

Webinar 1: Impact of Smart Specialisation Strategies implementation on governance

Online working meeting
09/11/2020

RIS3ANDALUCIA IMPACT ON GOVERNANCE
RIS3Andalucia Technical Secretariat
Agency for Innovation and Development of Andalusia IDEA

Joint
Research
Centre

Impact of S3 implementation on policy governance

New or Improved institutional arrangements and impact	Factors / policy instruments triggering changes	Indicators
<ul style="list-style-type: none"> ▪ RIS3 has generated new elements for the regional planning Governance model: transparency, public-private co-decision and participation in elaborating the planning instruments ▪ It has spilled-over the rest of regional sectorial plans and strategies in Andalusia designed (see the evidences of its real influence on regional sectorial economic planning as analysed through its Intermediate Evaluation Report in slide 8) ▪ Joint public-private processes of regional Strategies design with innovating leadership coming from the cluster and private sector, i.e. Aerospace Strategy 	<ul style="list-style-type: none"> ▪ New approach to regional Planning model of governance in Andalusia benefitting from industry and social consensus generates an effective influence regional territorial development ▪ Consolidation of the private/stakeholders commitment with the public policies and regional strategies ▪ Increasing sense of co-responsibility of different actors participating in the design/elaboration/implementation regional planning instruments and growing sense of engagement towards policy objectives and priority regional defined vision ▪ Long term approach as a positive factor contributing to regional development objectives and the transformation of regional economy 	<ul style="list-style-type: none"> ▪ Number of planning instruments adopting the RIS3 governance model ▪ Number of sectors (industrial/ entrepreneurial) affected/involved/ participating in the decision making processes ▪ Number of actors/stakeholders involved ▪ Number of decisions generated through this new governance model finally adopted ▪ Number of S3 thematic partnerships lead and joined by RIS3 Andalusian actors ▪ Number of new European Territorial Cooperation projects involved with RIS3 priorities ▪ S3 thematic partnerships generated leading by regional in Andalusia ▪ Number of Communication and Dissemination initiatives

Impact of S3 implementation on policy governance

New or Enhanced Stakeholders and impact	Factors/ policy instruments triggering changes	Indicators
<ul style="list-style-type: none"> ▪ Working Groups -quadruple helix members- has been generated on specific within the Industrial Strategy of Andalusia (EIA2020) ▪ Specific Working Group projected on Agri-food and Health priority within Interreg Europe Action Plan for Region4Food project ▪ Consolidation of RIS3 managers/actors (particularly Technical Secretariat and Team members) as obliged component of the Stakeholders Regional Group participating, assessing and monitoring EU projects developed in Andalusia: i.e. Agrotech Digital Innovation Hub, S3 Unica, Regions4Food, Stephanie, Reinwaste, ... ▪ RIS3 managers/actors as Associated Partners for different Interreg Europe and CTE Andalusian projects, i.e. BlueBioMed project 	<ul style="list-style-type: none"> ▪ The Working Groups have served to generate debates, discuss about the implementation of measures and lines of actions of RIS3 priorities, exchange ideas and update the measures through the implementation period ▪ Consolidation of public-private making decision processes ▪ Bringing closer the relations between the Administration and the private sector ▪ Increasing the confidence and reliability of the private sector and citizens towards public policies ▪ Responsible Research& Innovation initiatives, including social challenges approach ▪ Proactive interregional and international cooperation to strengthen value chains and bringing them to EU level 	<ul style="list-style-type: none"> ▪ Meetings developed by the Working Groups created within the different regional Plans ▪ Number of B2B meetings linked to specific measures and priorities ▪ Number of actors / stakeholders participating in meetings ▪ Number of Infodays, webinar, trainings developed with stakeholders/actors ▪ Number of actions linked to RIS3 included in Interreg Europe Regional Action Plans ▪ Number of regional partners aggregated joining the Sub-thematic S3 Platforms lead by Andalusian actors ▪ Number of decisions form the working groups effectively implemented

Impact of S3 implementation on policy governance

Improved administrative capacity and impact	Factors/ policy instruments triggering changes	Indicators
<ul style="list-style-type: none"> ▪ Adoption and implementation of new incentives schemes including the use of instruments facilitating synergies, i.e. S2E (Stairway to Excellence) in IDEA Agency R&D&I Incentive Scheme ▪ Leadership of various S3 Thematic Platforms by the Andalusian Administration departments with a successful level of cluster aggregation and stakeholders involvement ▪ Embedding the objectives, vision, values and priorities of smart specialization strategy in regional economic objectives (sectoral and general) promoting a consensual/accepted common sense of economic regional transformative agenda through priorities identified ▪ Reinforcement of the International projection and Networking with European regions around common priorities ▪ Development of initiatives with local authorities level instances within S3 approach ▪ Bottom-up approach in regional planning 	<ul style="list-style-type: none"> ▪ Synergies developed with the different stakeholders: local level, citizens, entrepreneurs, clusters,... as well as synergies looked for and encountered between different funds (regional, national and European funds) ▪ Adding the willingness and appointment of different actors involved with RIS3 to the regional economy agenda objectives ▪ Adjusting the public funds, instruments and advances services offered to the demand, to the real needs of the private companies sector ▪ Enhancing cooperation and “standardizing” regular cooperation among the agents of the four helix sectors, further than the business to business cooperation, and public-private partnerships, including social challenges in a daily agenda 	<ul style="list-style-type: none"> ▪ Numbers of innovative incentive schemes generated and implemented ▪ Number of beneficiaries affected by the new capacities, incentive schemes, new ways of participation, new regional and interregional projects and partnerships generated ▪ Number of Regional Action Plans of ECT projects with RIS3 measures implemented and/or participation ▪ Number of actors / stakeholders participating in S3 thematic Platforms ▪ Number of initiatives developed with local level ▪ Communication and dissemination actions

What are the links you identify between the changes and factors listed above and the ultimate goal of S3, which is territorial economic transformation?

Influence of RIS3Andalucía in regional planning	INFLUENCE	
	Objectives	Programming
Andalusian Industrial Strategy 2020	High	High
Andalusian Mining Strategy 2020	Medium	Medium
Andalusian Strategy for Energy 2020	Medium	Medium
Strategy for the Promotion of ICT sector in Andalusia	High	High
R&D&I Andalusian Plan	High	High
Research and Innovation Strategy for Health	High	High
Strategic Plan for the Internationalization of the Andalusian Economy	Low	Medium
Andalusian Strategy for Circular Bio economy	Medium	Medium
Andalusian Strategy for Innovation Public Procurement	High	High

Some regional Strategies have assumed not only the RIS3 priorities as basis of the own strategy, but also implemented a similar governance with the creation of specific working groups, implementing and developing through this way its own Entrepreneurial Discovery Process (EDP), as it evidences the analysis developed by the Intermediate Evaluation RIS3 Report, the influence has reached not only the programming field, but the final objectives too.

This effect is contributing to the general coherence of all public regional actions, **to increase a consolidated and unique regional long term vision and perspective of our regional economic transformation, to reinforce an aggregated engagement from the different sectors of the Andalusian economy**, as well as to enhance the benefit of consider horizontal aspects as common elements for the different sectorial policies, **advancing on the needs to conciliate the sustainable, social and industrial aspects with the adequate tools and approach, as it will be required for the next years ahead.**

Conclusions, Key findings: RIS3:Intermediate Evaluation Process

Positive influence of RIS3Andalucia on the formulation of regional strategies, plans and programs

Low integration of RIS3Andalucia in decision-making processes by managing entities

The monitoring system has shown that there is still room for improvement

Reduced awareness and understanding of RIS3Andalucia by the regional Knowledge Agents

Low governance momentum

Multi-scalar transitions (Green, Digital, Social) require strong multilevel governance

New support instruments adapted to the new challenges of companies and entrepreneurs in digital environments within a framework of sustainability are needed

Need to afford the right governance for transversal policies

Much more than SYNERGIES (Cohesion, HORIZON EUROPE, SMEs, DIHs...) Coherent policy instruments at all multi-governance levels. Overall and multilevel governance architecture. Integrating programmes and instruments

Disparity of advance on final targets established and still pending challenges



Assessment of Smart Specialisation Strategies implementation and its impact

Webinar 2/ Towards economic transformation: Impact of adopting Smart Specialisation Strategies on innovation ecosystems

Online working meeting
DATE 17/11/2020

RIS3ANDALUCIA Technical Secretariat
Agency for Innovation and Development of Andalusia IDEA

Joint
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Centre

Towards economic transformation: Impact of adopting Smart Specialisation Strategies on innovation ecosystems

Impact of introducing/ improving innovation ecosystems (industrial transition, environmentally driven innovation, knowledge networks, outward looking dimension, clusters, etc.)

Types of changes	Key impact
<p>Revealed by the Intermediate RIS3Andalucia Evaluation process:</p> <ul style="list-style-type: none"> - Induced changes have occurred in the field of Industrial Transition linking the “Industry 4.0” elements to the implementation of the Andalusian Industrial Strategy (EAI 2020) and enterprises industrial sectors involved - In the same sense changes have happened approaching the implementation of processes Digital Transformation, Blue/Green economy transition - Building capacities and skills (public ad private sectors) with a cross-sectoral approach - There are also evidences of changes happened related with the external projection foreseen by RIS3Andalucia 	<p>Regional actors at the regional ecosystem map have enlarged its perspective and approach:</p> <ul style="list-style-type: none"> - Reinforcing the collaboration with European Networks and new EU regional initiatives, i.e. Vanguard, Scale-Up project (EEN, EASME), H2020-JTI as CleanSky. - Promotion of the Andalusian leadership and presence on S3 sub-thematic platforms. As result of the creation of Thematic Platforms promoted by the S3platform, Andalusian government and stakeholders have been very active in leading and joining these groups.

Towards economic transformation: Impact of adopting Smart Specialisation Strategies on innovation ecosystems

Factors triggering changes

- Identification of common priorities at EU regional level -> Enhancement of Interregional Collaboration:
 - new EU interregional partnerships have emerged due to the enhancement of synergies and complementarities: European Territorial Cooperation projects (Interreg POCTEP, MED, Europe) have shown their capacity to be ideal scenarios = labs to design and implement pilot actions, to exchange new good practices towards territorial transformation developed around common RIS3 Priorities for identified by different EU regions. The same has occurred around others EU programs, i.e. H2020 partnerships projects
 - Reinforcement of collaboration with European Networks and new EU regional initiatives, such as Dual Use, ENDR, Vanguard, Scale up, H2020-JTI as CleanSky
- Promotion of new instruments: enhancing the use of instruments included/prioritised by RIS3 Andalucia, i.e. Public Innovation Procurement
- Alignment of the portfolio of technological and advances services developed by public actors to RIS3 Andalucia priority fields and axes; i.e. in the case of services offered by CESEAND (Enterprise Europe Network) and CITPIA (Centre focusing on Intellectual and Industrial Property Rights Support Services).

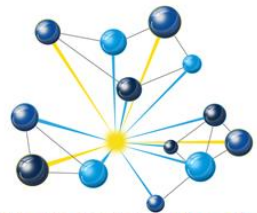
Towards economic transformation: Impact of adopting Smart Specialisation Strategies on innovation ecosystems

Smart Specialization Thematic Platforms led by Andalusia			
Name	Thematic Platform	Regions involved	Leader Entity
European Regions for Sustainable Building	S3P-Energy	43 Regions: in action and/or having shown interest to participate	Andalusian Agency for Energy
Traceability and Big Data within the Agri-food value chain	S3P-Agrifood	Regions: 20 Associated members: 11	Andalusian Regional Ministry for Agriculture, Livestock, Fishing and Sustainable Development
Digitalization and Security for Tourism	S3P-Industry	Regions: 8 Supported by the European Regions Network for Competitive and Sustainable Tourism	Andalusian Regional Ministry for Tourism, Regeneration, Justice and Local Administration
Advanced Materials for Batteries	S3P-Industry	Regions: 21	Andalusian Agency for Energy

S3 SYNERGIES & ALLIANCES

S3 Impact on innovation regional ecosystems and territorial transformation from the involvement and participation in European alliances within RIS3 priorities

Vanguard Initiative
Pilot for Advanced Manufacturing in Energy related applications for Harsh Environments

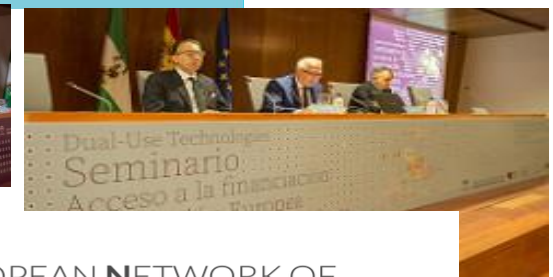


VANGUARD INITIATIVE
New growth through smart specialisation

S3 interregional partnership in MRE
“Sensing and Remote Monitoring in Marine Renewable Energy”



EUROPEAN NETWORK OF DEFENCE-RELATED REGIONS



What are the links you identify between the changes and factors listed above and the ultimate goal of S3, which is territorial economic transformation?

The new synergies generated, the new instruments used, the increased participation in European alliances linked to RIS3 priorities, WILL LEAD TO:

- ✓ Facilitate Andalusian companies their integration into European and world-class clusters, industries and international value chains
- ✓ Consolidate permanent and stronger links between academy, regional private industry sector, technological agents and public sector
- ✓ Reinforce the attraction of R&D projects from high and medium-high technology companies and the location in Andalusia of these companies
- ✓ Raise opportunities and alliances to explore new ways for increasing the knowledge of the agents in a VARIABLE AND OPEN ECOSYSTEM
- ✓ Strengthen the relationships and promotes cooperation, generating TRUST AND PREDICTABILITY at regional entrepreneurial and industrial ecosystems

Conclusion, Key findings:

RIS3 Andalusia Intermediate Evaluation Report, Recommendations that can apply/affect the impact in innovation ecosystems

Use financial instruments according to project and ecosystems characteristics, addressing incentives to high-risk initiatives with great impact

Apply reimbursable financial instruments for cases of market failure evidence, combined with grants if necessary for their effectiveness

Intensify Innovative Public Procurement at the Andalusian Regional Government

Review the classification of instruments provided in the RIS3 Andalusia to adapt innovation in a better way to the reality of the measures execution

Relevance to information, awareness and knowledge dissemination actions

For the future: Creation of new working groups promoting the participation of the Andalusian Knowledge and Innovation system to update the EDP RIS3 results



Assessment of Smart Specialisation Strategies implementation and its impact

Webinar 3/ : Impact of adopting Smart Specialisation Strategies in terms of growth and jobs

Online working meeting
DATE 19/11/2020

RIS3ANDALUCIA Technical Secretariat
Agency for Innovation and Development of Andalusia IDEA

Impact of adopting Smart Specialisation Strategies in terms of growth and jobs

RIS3 Intermediate Evaluation Report Results

Impact of S3 in macro-economic terms	Factors / policy instruments triggering changes	Indicators
<p>Territorial impact: In just 11 municipalities, 5 or more business investment projects in innovation related to RIS3Andalucía, concentrating 47.1% of the total of approved projects, 23% of incentivizable investment* and 26.2% of approved assistance. The municipalities that concentrate the highest number of projects are the capitals of the provinces of Sevilla, Granada, Huelva and Córdoba, and Lucena (Córdoba).</p> <p><small>*“incentivizable”, i.e. part of the project/investment susceptible to be financed /co-financed with public funds</small></p>	<p>RIS3Andalucía's contribution to sustainable development is high, with the majority of administrative centers of the Regional Government of Andalusia having carried out actions to foster sustainable development and many of the business projects supported have been geared towards that objective, fundamentally through the development of more sustainable products and energy saving and raw materials.</p>	<p>The System of Indicators of RIS3Andalucia consists of 28 indicators (12 of context and 16 of results for the medium and long term), defined in the own planning framework from information sources provided by official statistics, guaranteeing technical rigor for data production, obtaining information according with reliable, stable, precise, efficient and proven methodologies, as well as the availability of regular updated information. Information available at the IECA webpage: https://www.ieca.junta-andalucia.es/indris3/index.htm</p>

Impact of adopting Smart Specialisation Strategies in terms of growth and jobs: RIS3 Intermediate Evaluation Report Results

Sectoral Impact of S3	Factors / policy instruments triggering changes	Indicators
<ul style="list-style-type: none"> • Manufacturing industry: productive branch most benefitted from innovation support (55.9% of subsidies approved) in the sectorial distribution of assistance granted by IDEA Agency • High medium-high technology : 30.2% of incentivized* investment (these activities representing around 5% of GVA in the Andalusian economy). “incentivized”, i.e. part of the investment granted (publicly financed / co-financed) • The specialization priorities “Agroindustry and healthy eating” and “Renewable energies, energy efficiency and sustainable construction” concentrates also incentivized investments and support provided • The priority “ICT and the digital economy” includes the highest number of projects approved. 	<p>Spill-over effects addressing particularly the context and activities of the Agents of the Andalusian Knowledge System:</p> <ul style="list-style-type: none"> • High degree of cooperation in the development of R&D projects • An increase in the level of business competitiveness based on greater specialization, internationalization and concentration of efforts to solve the key needs of companies 	<p>Outcome indicators for Thematic Objective 1, which in the case of the Andalusian ERDF OP are the following:</p> <ul style="list-style-type: none"> • R001D. % companies making technological innovations • R001E. % companies that make technological innovations and cooperate with universities, public organisms for research, technological centres,... • R001S. Spanish participations in international project consortiums within H2020 program (number) • R003G. % documents published in scientific journals Q1 • R003H. Scientific production of Andalusia (number) • R112G. Patents applied to SPTO (number) (<i>Spanish Patents and Trademarks Office</i>)

Impact of adopting Smart Specialisation Strategies in terms of growth and jobs

RIS3 Intermediate Evaluation Report Results

S3 impact in terms of jobs and growth	Factors / policy instruments triggering changes	Indicators
<p>Since 2014, Andalusia has converged with Spain on 7 of the 15 areas referred to in the final objectives of RIS3Andalucía. The convergence has arisen primarily in the use of ICTs in innovative companies and in export manufacturers of high and medium high technology, insofar as the difference with Spain has lied primarily in innovation spending and the intensity of innovation</p> <p>Convergence with respect to the EU has been similar to Spain's, with a reduction in the differences in the use of ICTs and extending the differences in general aspects of R&D and companies in the digital Market. <i>(See the figure in next slide)</i></p>	<p>Spill-over effects addressing the Companies:</p> <ul style="list-style-type: none"> • better market positioning • development of complementary projects • increased number of clients • staff recruitment • expansion of services • new markets and products, • reinforcement of corporate image, • greater productivity, competitiveness and specialization. <p>See Spill-over Effects at the RIS3Andalucia document “Progress Intermediate Evaluation. RIS3 Andalucía. Final Report” pg. 29.</p>	<p>See the Andalusian System of Indicators elaborated by the Andalusian Institute of Statistic and Cartography</p>

Other: RIS3Andalucia Intermediate Evaluation Report

Indicators – Convergence Results

RIS3 intermediate evaluation have evidenced that the progresses reached have been uneven with regard to the convergence of the indicators of the final objectives, as the following table shows:

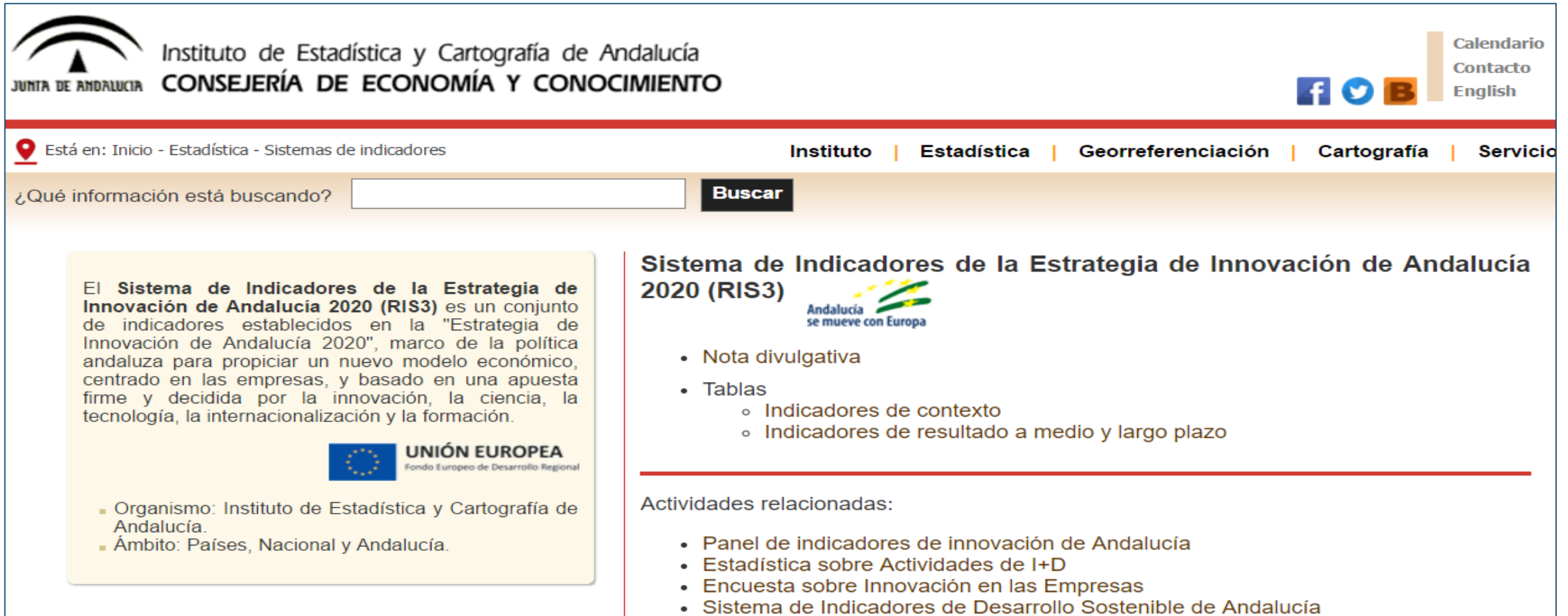
Source: Indicators System of RIS3Andalucía 2020. IECA, 2019; own elaboration

The Intermediate Evaluation Process has concluded that RIS3Andalucia has resulted in some additional effects going beyond the foreseen impacts, regarding:

- Spatial concentration in cities and metropolitan areas
- Sectorial concentration en in medium-high and high technology activities
- Generalized contribution of measures to environmental sustainability
- Persistence of gender inequalities.

Final target indicators RIS3 Andalusia	Spain	UE28
R&D expenditure / GDP (%)	No	No
Private R&D expenditure (%)	No	No
Innovation intensity of innovative companies	No	
R&D Staff	No	No
Innovative companies	Yes	
Innovation Spending	No	
Patents applied	Yes	
GVA in High and Medium-High Technology sectors	No	
High and Medium-High Technology manufacturing exports	Yes	
Households with connections above 100 Mbps (%)	Yes	
Andalusian companies incorporated into the digital market (%)	No	No
Population using regularly Internet (%)	Yes	Yes
Companies interacting with Public Administration through Internet (%)	No	
Population interacting with Public Administration through Internet (%)	Yes	Yes
Fast broadband coverage (%)	Yes	Yes

Other: Indicators System of RIS3Andalucía: IECA, (Institute of Statistics and Cartography of Andalusia)



The screenshot shows the website of the Instituto de Estadística y Cartografía de Andalucía (IECA). The header includes the logo of the Junta de Andalucía and the text 'CONSEJERÍA DE ECONOMÍA Y CONOCIMIENTO'. There are social media icons for Facebook, Twitter, and Blogger, along with links for 'Calendario', 'Contacto', and 'English'. A navigation menu contains 'Instituto', 'Estadística', 'Georreferenciación', 'Cartografía', and 'Servicio'. A search bar is present with the placeholder text '¿Qué información está buscando?' and a 'Buscar' button. The main content area features a text box on the left describing the 'Sistema de Indicadores de la Estrategia de Innovación de Andalucía 2020 (RIS3)' and a list of related activities on the right. The text box includes the logo of the 'UNIÓN EUROPEA' and 'Fondo Europeo de Desarrollo Regional'.

Instituto de Estadística y Cartografía de Andalucía
CONSEJERÍA DE ECONOMÍA Y CONOCIMIENTO

Está en: Inicio - Estadística - Sistemas de indicadores

Instituto | Estadística | Georreferenciación | Cartografía | Servicio

¿Qué información está buscando? **Buscar**

El Sistema de Indicadores de la Estrategia de Innovación de Andalucía 2020 (RIS3) es un conjunto de indicadores establecidos en la "Estrategia de Innovación de Andalucía 2020", marco de la política andaluza para propiciar un nuevo modelo económico, centrado en las empresas, y basado en una apuesta firme y decidida por la innovación, la ciencia, la tecnología, la internacionalización y la formación.

UNIÓN EUROPEA
Fondo Europeo de Desarrollo Regional

- Organismo: Instituto de Estadística y Cartografía de Andalucía.
- Ámbito: Países, Nacional y Andalucía.

Sistema de Indicadores de la Estrategia de Innovación de Andalucía 2020 (RIS3)

Andalucía se mueve con Europa

- Nota divulgativa
- Tablas
 - Indicadores de contexto
 - Indicadores de resultado a medio y largo plazo

Actividades relacionadas:

- Panel de indicadores de innovación de Andalucía
- Estadística sobre Actividades de I+D
- Encuesta sobre Innovación en las Empresas
- Sistema de Indicadores de Desarrollo Sostenible de Andalucía

Conclusion, Key findings:

For more details and information, see the:

- [RIS3Andalucia Intermediate Evaluation Report & Executive Summary](#)
- Summary in English (in Annex to this template)
- [RIS3Andalucia Monitoring Report \(31/12/2019\)](#)

Final reflection

RIS3 strategies, as some others strategies entailing a cultural change, having as final purpose the regional economy transformation through research and innovation investments policy, are long-term strategies, which require a time to calibrate and measure their impacts rigorously, spinning with the true evidences the chain of results and the final effects on the economy of the regions.

Consequently, approaching the analysis of RIS3 impact from an attribution perspective (counterfactual analysis) would be accurately assessed at least 5 years after the end of RIS3 validity period (namely 2025).