

THE GALICIAN AGRIFOOD SECTOR

SEVILLE, 28TH MARCH



XUNTA DE GALICIA
CONSELLERÍA DO MEDIO RURAL



XUNTA DE GALICIA
CONSELLERÍA DE ECONOMÍA,
EMPREGO E INDUSTRIA


gradient



galicia

GALICIA S3 CHALLENGES AND PRIORITIES

CHALLENGE 1

New model for innovative management of natural and cultural resources based on innovation

Modernisation of traditional Galician sectors by introduction of innovations that provide higher yield and efficiency in use of endogenous resources and their reorientation towards alternative high added value uses in energy, aquaculture, drug, cosmetic, food and cultural activities.

- **Modernisation of Primary Sectors**
- Valorisation of Sea
- Development of Aquaculture
- **Biomass & Marine Energies**
- Tourism & ICT

CHALLENGE 2

New industrial model based on competitiveness and knowledge

Increase the technological intensity of the Galician industrial sector through hybridisation of Key Enabling Technologies.

- Diversification of Driving Sectors
- **Enhanced competitiveness through new industrial concepts**
- **Knowledge-based economy through ICT & KETs**

CHALLENGE 3

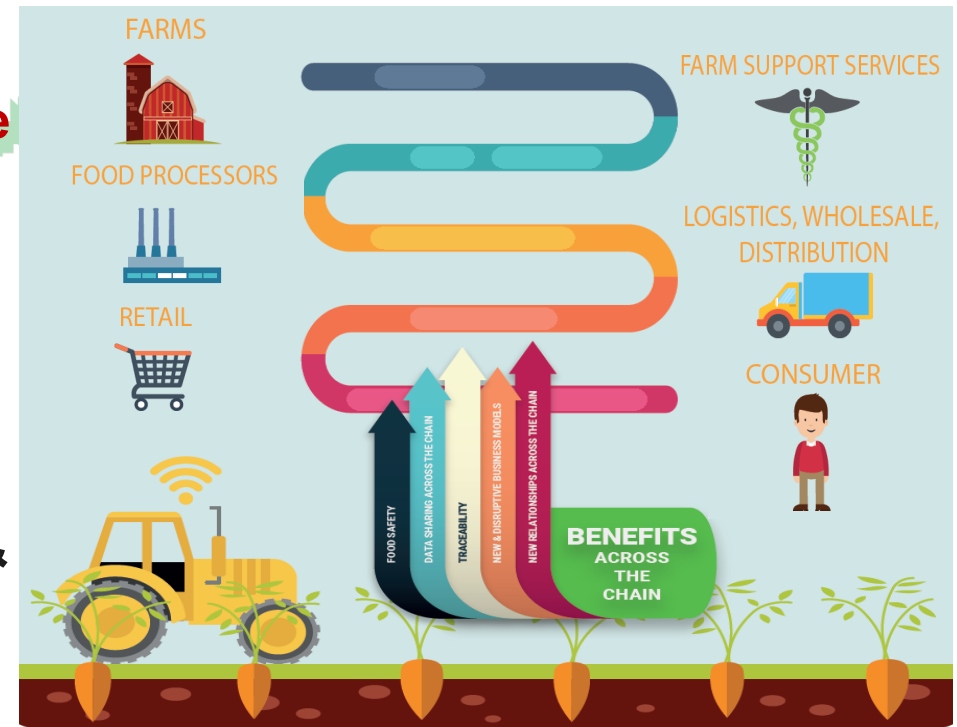
New healthy lifestyle model based on active ageing of population

Position Galicia in 2020 as a lead region in Southern Europe that offers knowledge intensive products and services linked to a healthy lifestyle model: active ageing, therapeutic application of fresh and marine water resources and functional nutrition.

- Development of Active Aging Sector
- **Food & Nutrition for healthy living**

MAIN AGRIFOOD NEEDS

- Application of Big Data and Traceability to **increase added-value** along the agrifood supply chain
- Customisation of traceability and big data solutions for **small-scale farmers/producers**
- **Exploit data coming from the whole supply chain** to optimize planning & processes at any step of the chain
- Improving **demonstration and testing capabilities** of competence centers
- Main targets (agrifood verticals):
Dairy, Meat, Viticulture, Agriculture/ Forestry



OPPORTUNITIES (1/2)

- **Vast data available** in primary production to feed planning and decision making along the value chain including processing industry (**agrifood Industry 4.0**)
- Big Data to optimize processes **from farm to fork** using data from primary production up to **consumers' preferences**
- Galician agrifood sector already concerned and willing to undertake digitisation
- **Leading agrifood actors** are already taking serious steps towards digitization. **Mirror effect** on others

OPPORTUNITIES (2/2)

- Possibilities for **new business models** along the agrifood (and digital) value chains. Impact in **rural jobs & entrepreneurship**
- Traceability as means to provide **origin differentiation** to many produces and products
- Big Data (and traceability) as enablers for the **Circular Economy**



CAPABILITIES

- **RTOs** with deep know-how in ICT applied to agrifood
- **Experienced Knowledge and Competence Centres** specialized in agrifood research & technologies
- **Pool of ICT large and small companies and entrepreneurs** with specific offering for the regional agrifood sector
- **Resilient agri-food sector** (producers, cooperatives, processors) willing to face new challenges to increase their productivity and ROI

PREVIOUS EXPERIENCE

Agrifood stakeholders are already addressing different angles:

- A number of R&I projects and EIP AGRI Operational Groups during recent years address traceability and big data for different subsectors (agriculture, dairy)
- **Food processors:** CLUSAGA (Galician Food Cluster) is already implementing a specific training program for managerial staff on Big Data, industrial digitisation, Industry 4.0
- **Digital Innovation HUB in agrifood sector:** Initiative already in place since October 2016 to generate digital innovation and adoption across the whole agrifood chain in cooperation with all stakeholders, including the public sector
<http://www.usc.es/campusterra/en/digital-innovation-hub>



AD HOC SUPPORT INSTRUMENTS FOR THE S3



SME INNOVATE

SUPPORT FOR INNOVATIVE SMEs

A support framework to promote incorporation of knowledge by Galician SMEs, to improve expertise and competitiveness

- o1 Sectorial Innovation Programme.
- o2 Support for Open Innovation Programme.
- o3 Technology Service Bonus Programme.
- o4 International Financing Bonus Programme.
- o5 Innovation Agents Accreditation Programme.
- o6 Promotion of Knowledge Capacity Enhancement Programme for Enterprises



INNOVATE IN GALICIA

MOBILISING AND ATTRACTING PRIVATE CAPITAL

A set of public investment instruments to work as a lever to mobilise and attract private capital for innovative projects in Galicia.

- o7 Development Centre Attraction Fund Programme.
- o8 Early Demand Fund Programme.
- o9 Demonstration Projects Programme.
- o10 Strategic Public-Private Projects Programme
- o11 Horizon 2020 Cooperation Programme for the Development of Collaborative R&D&I Projects.
- o12 Financial Engineering Instruments Programme for the Mobilisation of Private Capital.



GALICIA TRANSFER

SUPPORT FOR THE TRANSFER OF KNOWLEDGE TO THE MARKET

A set of actions designed to promote the transfer of knowledge and research results from science and technology centres in Galicia to the market

- o13 Contracts-Transfer Programmes for Science and Technology Centres.
- o14 Knowledge and Technology Assets Investment Programme for Science and Technology Centres.
- o15 Concept Testing Programme.
- o16 Innovative Public Procurement Programme.
- o17 Industrial Property Promotion Programme.



INNOVATIVE ENTREPRENEURSHIP

PROMOTE INNOVATIVE ENTREPRENEURSHIP

Support actions to increase and reinforce offer of opportunities for research and innovation talent to improve scientific competitiveness and/or take up a position in the market.

- o18 Innovation Acceleration Programme.
- o19 Talent Retention, Incorporation and Mobility Programme.

- + o20 Transversal Action Programme (launch, follow-up, assessment and dissemination of RIS3 Galicia)

STRATEGIC PUBLIC-PRIVATE PROJECTS PROGRAMME

A set of public investment instrument to work as a lever to mobilise and attract private capital for innovative projects in Galicia



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STRATEGIC PUBLIC-PRIVATE PROJECTS PROGRAMME



Collaboration agreement between GAIN and Meat Technological Centre Foundation to promote R+D+I projects in the meat sector



MEAT TECHNOLOGICAL CENTRE FOUNDATION
COREN



PUBLIC INVESTMENT: 5.500.000€
TOTAL INVESTMENT: 24.150.000€

EARDF FUNDS

- Galician regional operational program-PDR 2014-2020
- No specific measures for digitalization in the agri-food value chain.
- Some innovation measures could finance digitalization projects
 - i. EIP-Agri operational groups constitution (412.253 € in 2017)
 - ii. EIP-Agri operational Groups projects (2.175.378 € in 2017)
 - iii. New products, proceses and technologies (pilot projects) (741.831 € in 2017)