

GALICIA

ACTIVATION OF THE BLUE BUSINESS AND R&D SECTORS



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REGIONAL CHARACTERIZATION & BLUE CAPABILITIES

BASIC FEATURES

POPULATION: **2,7** million

AREA: **29.575** m2

1.500 km of coastal line

ECONOMY

LABOR FORCE: **1,1** million

GDP: **58.000** € millions

COMPANIES: **206.426**

NET EXPORTS: **125%**

BALANCE OF TRADE : **112,3 %**

INFRASTRUCTURES

AIRPORTS: **3**

PORTS: **127**

INDUSTRIAL SURFACE: **47** millions m2

OTHER DATA

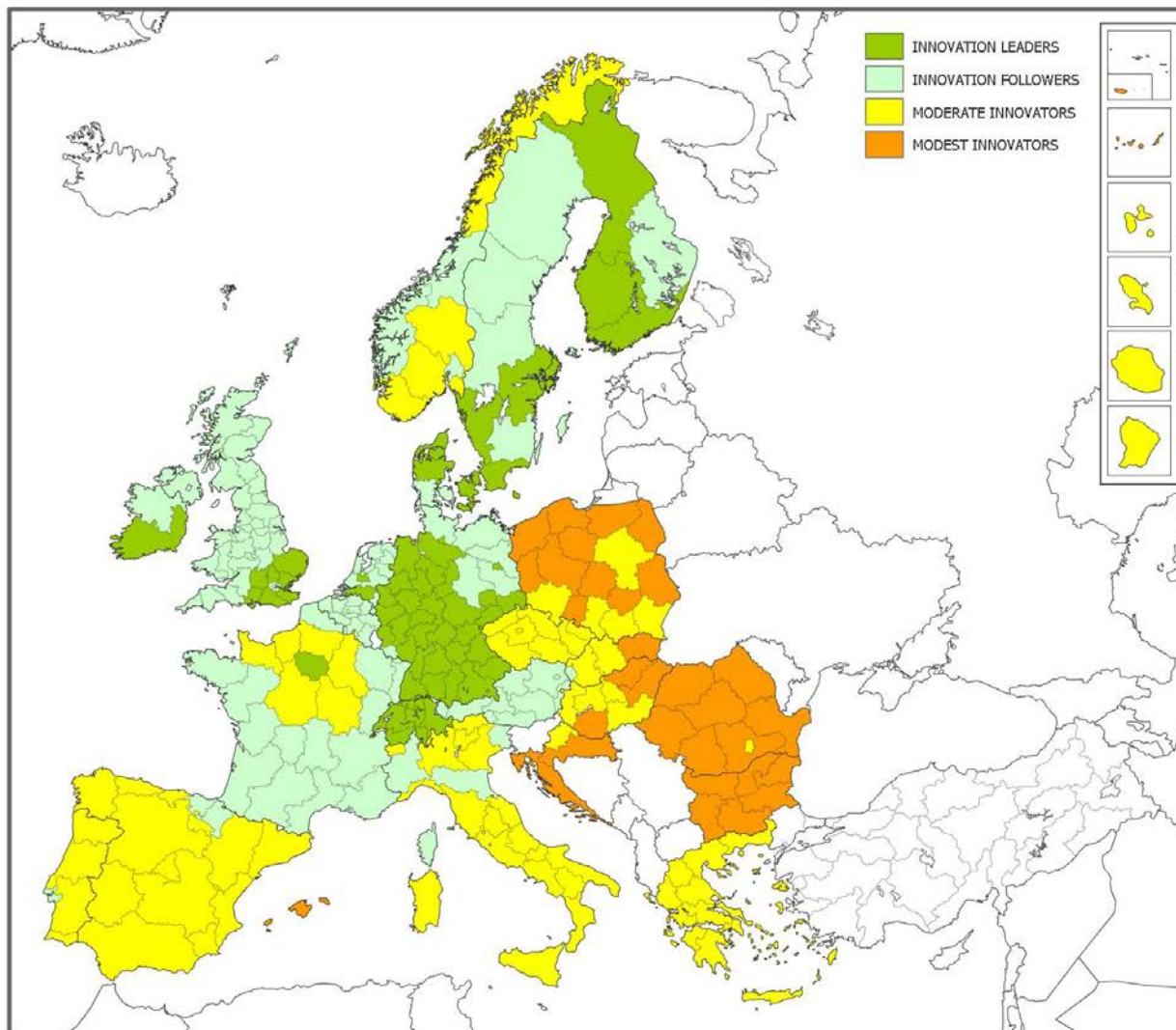
RENEWABLE ENERGY PRODUCTION: **94,5%**

LIFE EXPECTANCY: **82** years (EU: 80 years)

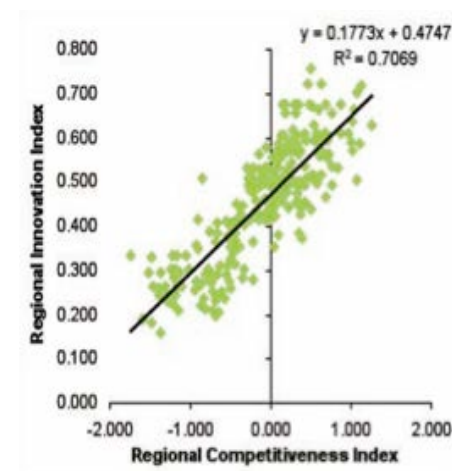
POPULATION OVER 65 YEARS: **23%**

WORLD HERITAGE SITES: **4** (1 OF THEM, A LIGHTHOUSE)

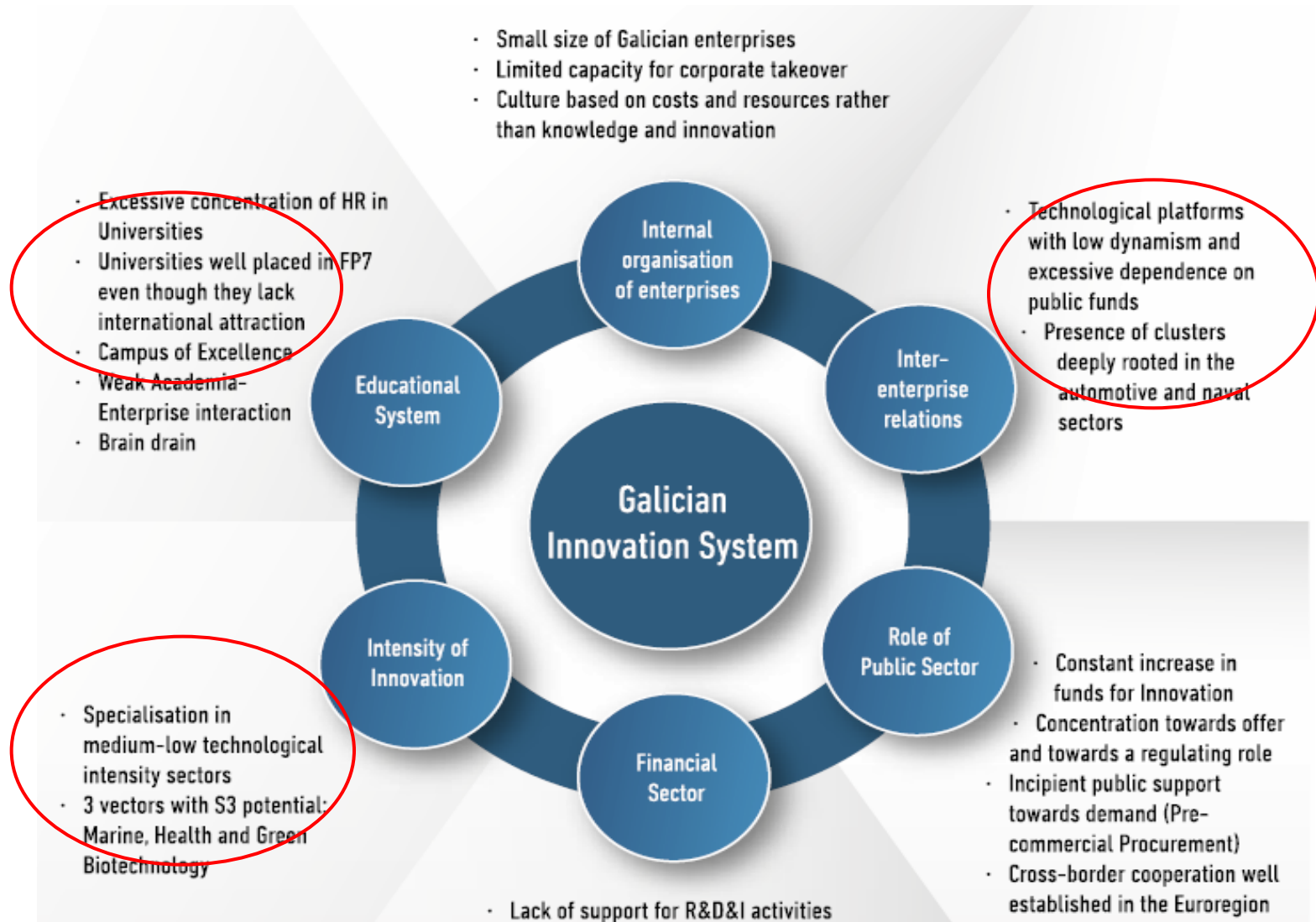
MICHELIN STARRED RESTAURANTS: **11**



Regional Innovation Scoreboard 2014



SWOT IN THE S3





THE BIG MARINE NUMBERS

- **Maritime fishing sector:** annual turnover is **4.700 M€**, and it employs more than **35.000 people** (**50% of the sector employment** in Spain and **10% in Europe**)
- **Fishing fleet and catches:** **4.600 ships**. In 2013, 175.000 tons of fish were downloaded in the region harbours, with a value of 440 M€. Galician ships downloaded almost **70% of fresh fish in Spain** and more than **11% in Europe**
- **Fishing** represents **1,4% GDP** and **2,4% of employment** in Galicia, Vigo hosts the biggest fishing port in Europe (**800k Ton/y**), **14k Ha**
- **Aquaculture** **20%** of the total European production, employs almost **5.000 people**
- **Sea-food processing:** **3% GDP**, (85% of Spanish total production), **12.750 jobs** (**78% of jobs** in this sector in Spain)
- **Shipbuilding:** **1% GDP**, **342** companies and **5.500 jobs**

ACTIVATION OF THE BLUE BUSINESS AND R&D SECTORS

THE REGIONAL S3 MAIN FEATURES

Challenges and Priorities

10 priorities split into 3 challenges:

- New innovative models to manage natural and cultural resources
 - ***Modernisation of Primary Sectors***
 - ***Valorisation of Sea***
 - ***Development of Aquaculture***
 - ***Biomass & Marine Energies***
 - Tourism & ICT
- New industrial model
 - ***Diversification of Driving Sectors***
 - Enhanced competitiveness through new industrial concepts
 - Knowledge-based economy through ICT & KETs
- New healthy lifestyle
 - Development of Active Aging Sector
 - ***Food & Nutrition for healthy living***

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.

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 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]

Challenges and Priorities

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.

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

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.

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]

Guiding Principles

1.

Innovative
SMEs to be
competitive

2.

Public
investment to
attract private
investment

3.

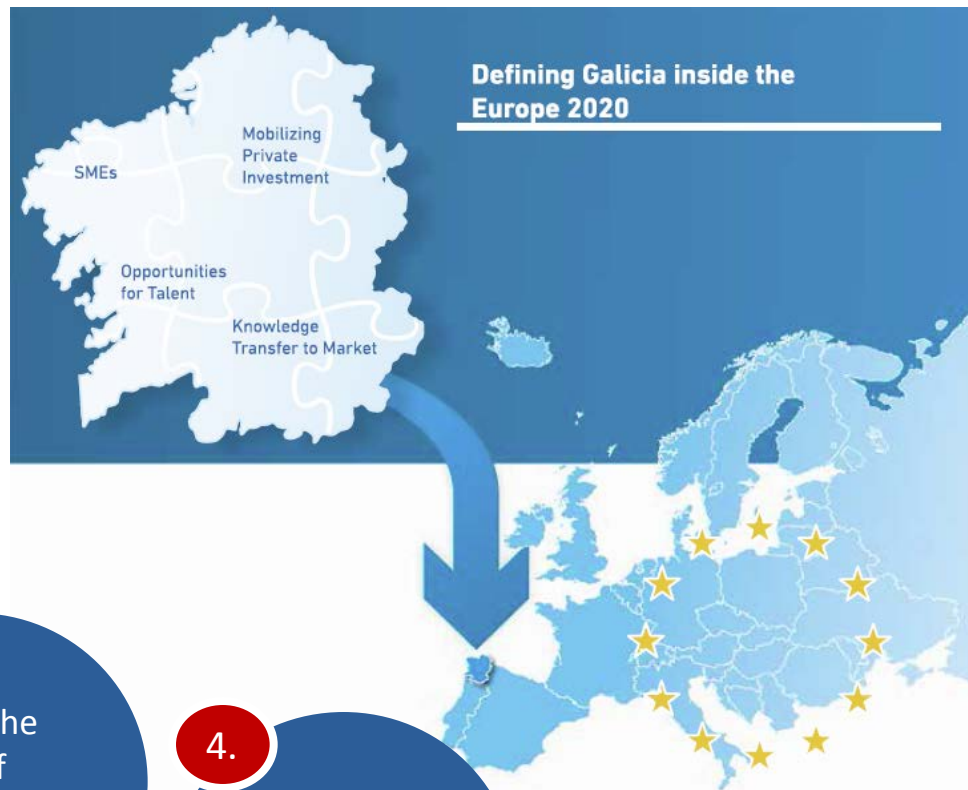
Promote the
transfer of
research to
market

4.

Opportunities
for research
and
entrepreneurial
talent

Guiding principles to drive growth in prioritized sectors

Defining Galicia inside the
Europe 2020



ACTIVATION OF THE BLUE BUSINESS AND R&D SECTORS

IMPLEMENTATION OF THE S3 & FURTHER STEPS

S3 Adopted as the Galicia Innovation Plan

DEFINITION OF NEW INNOVATION PLANS

- **Tourism Integrated Plan of Galicia**
- **Galicia Aquaculture Plan**
- **EMFF-Galicia OP**
- **Galicia Energy Guidelines 2015-2020**
- **Galicia Biotechnology Strategy**
- **Industry Agenda 4.0**

Implementation of the EMFF

STRONGER INVESTMENT IN INNOVATION FOR THE PERIOD 2014-2020

- **Spain receives 20,2% of the total Maritime Fund**
- **Galicia receives more than 30% of the Spanish share (almost 7% of the total Fund)**
- **Focus on collaboration with other regions and organisations**

Ad hoc Support Instruments

PEME INNOVA
TO SUPPORT
INNOVATIVE SMES

Nº	Instrumentos	Acrónimo
1	Programa Innovación Sectorial	Innov. Sectorial
2	Proyectos Innovación Aberta	Innov. Aberta
3	Bonos Servicios Tecnológicos	Bonos Tecnológicos
4	Bonos Financiamento Internacional	Bonos Financiamento
5	Homologación/Certificación	Homologación/Certificación
6	Programa de Fomento da Capacidade de Absorción de Coñecemento das Empresas	Fomento capac. Absorción

INNOVA EN GALICIA
TO STIMULATE AND
ATTRACT PRIVATE
INVESTMENT

Nº	Instrumentos	Acrónimo
7	Fondo Atracción Centros Desenvolvemento	Fondo Atracción Centros
8	Fondo Demanda Temperá	Demanda Temperá
9	Proyectos Demostración	Prox. Demostración
10	Proyectos Estratéxicos Público Privados	Unidades Mixta
11	Cooperación con Horizon 2020 no desenvolvemento de Proxectos Colaborativos de I+D+i	Complemento H2020
12	Instrumentos de Enxeñaría Financeira para a Mobilización de Capital Privado	Mobilización de Capital

**GALICIA
TRANSFERS**
TO ENHANCE TRANSFER OF
KNOWLEDGE TO MARKET

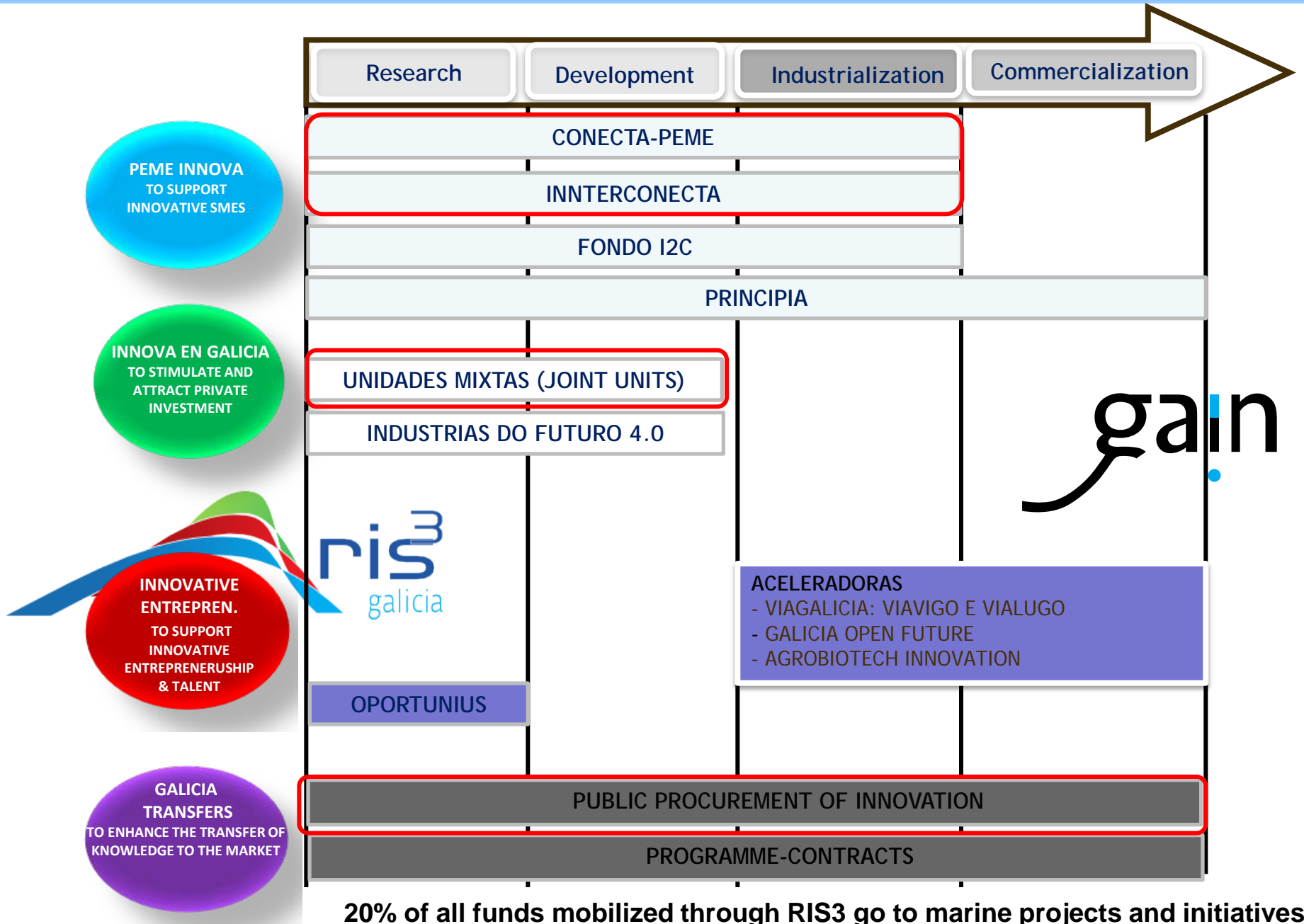
Nº	Instrumentos	Acrónimo
13	Contrato Programa de Transferencia para Centros Científicos & Tecnológicos	Contrato Progr. CC e CT
14	Investimentos en Activos de Coñecemento e Tecnoloxía en Centros Científicos e Tecnológicos	Investimentos CC e CT
15	Proba Concepto	Proba concepto
16	Compra pública Innovadora	Comprar Pública Innov.
17	Fomento da Propiedade Industrial	Propiedade Industrial

**INNOVATIVE
ENTREPREN.**
TO SUPPORT
INNOVATIVE
ENTREPR & TALENT

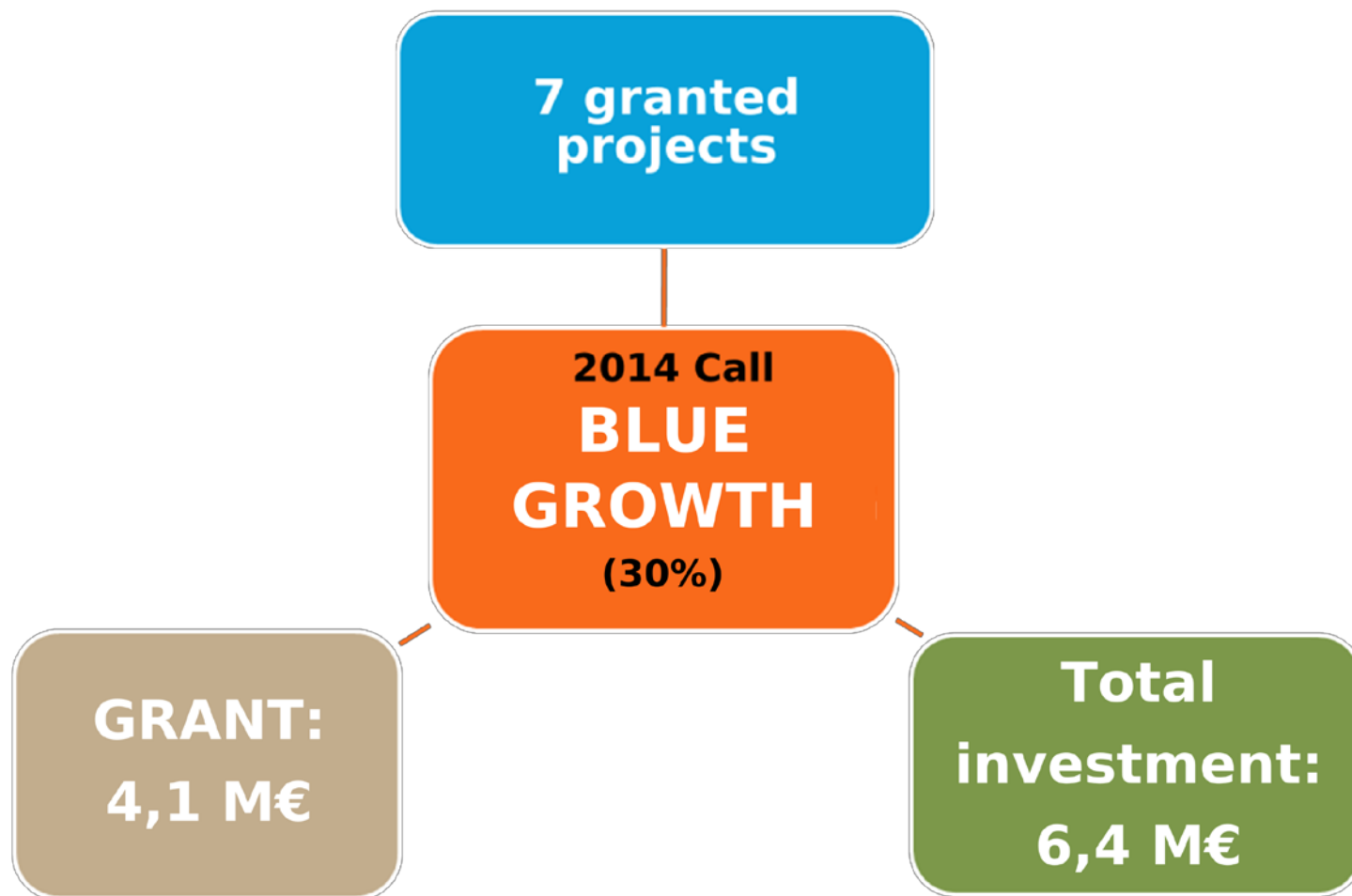
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18	Programa de Aceleración de la Innovación	Aceleradora
19	Programa de Retención, Incorporación e Mobilidade de Talento	Talent

Nº	Instrumentos	Acrónimo
20	Difusión e Asistencia Técnica	Asistencia Técnica

The S3 Galicia support programmes & instruments already implemented

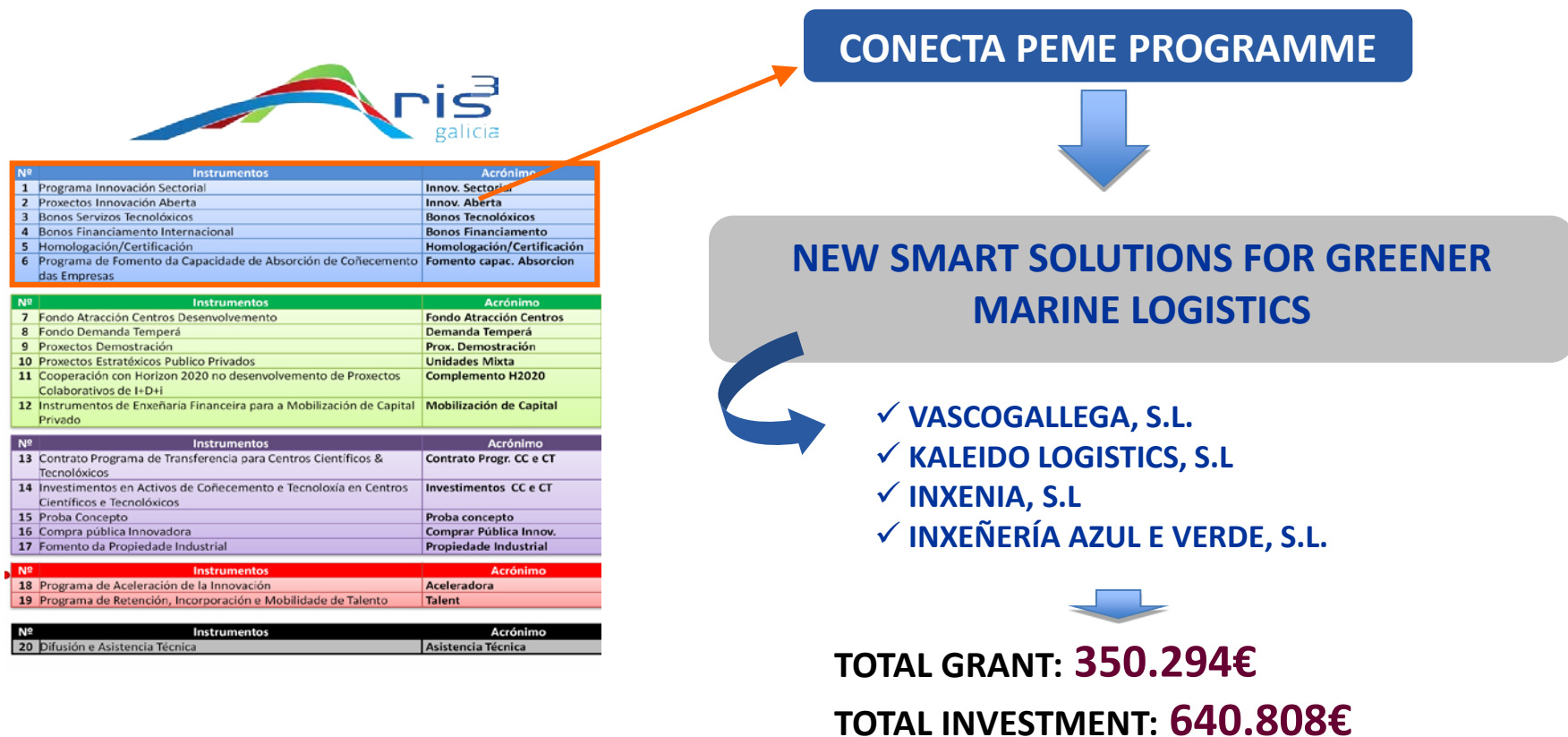


Blue Growth in the Call in 2014



CONECTA PEME

Some Strategic Projects under implementation



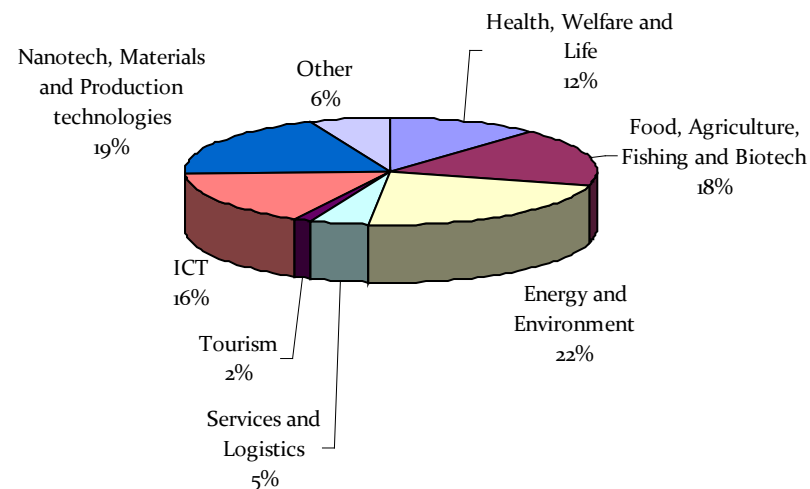
The Call in 2016

CALL BUDGET	25.000.000€
SUCCESSFULLY SUBMITTED APPLICATIONS	190
APPLICANT COMPANIES	670

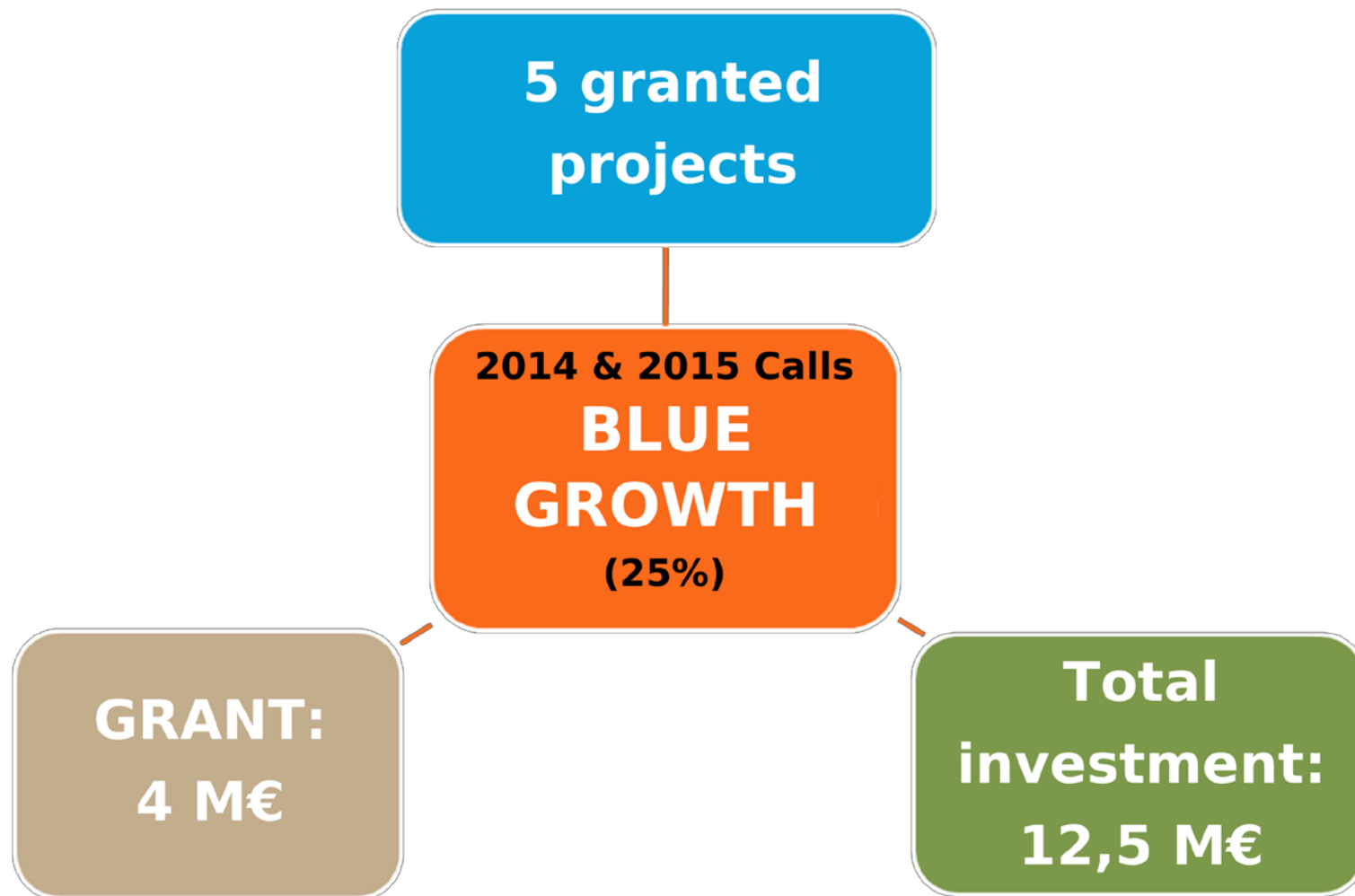
CONECTA PEME

Breakdown into strategic areas

	APPLICANT COMPANIES
Health, Welfare and Life	22
Food, Agriculture, Fishing and Biotech	34
Energy and Environment	42
Services and Logistics	9
Tourism	3
ICT	31
Nanotech, Materials and Production Technologies	37
Other	12

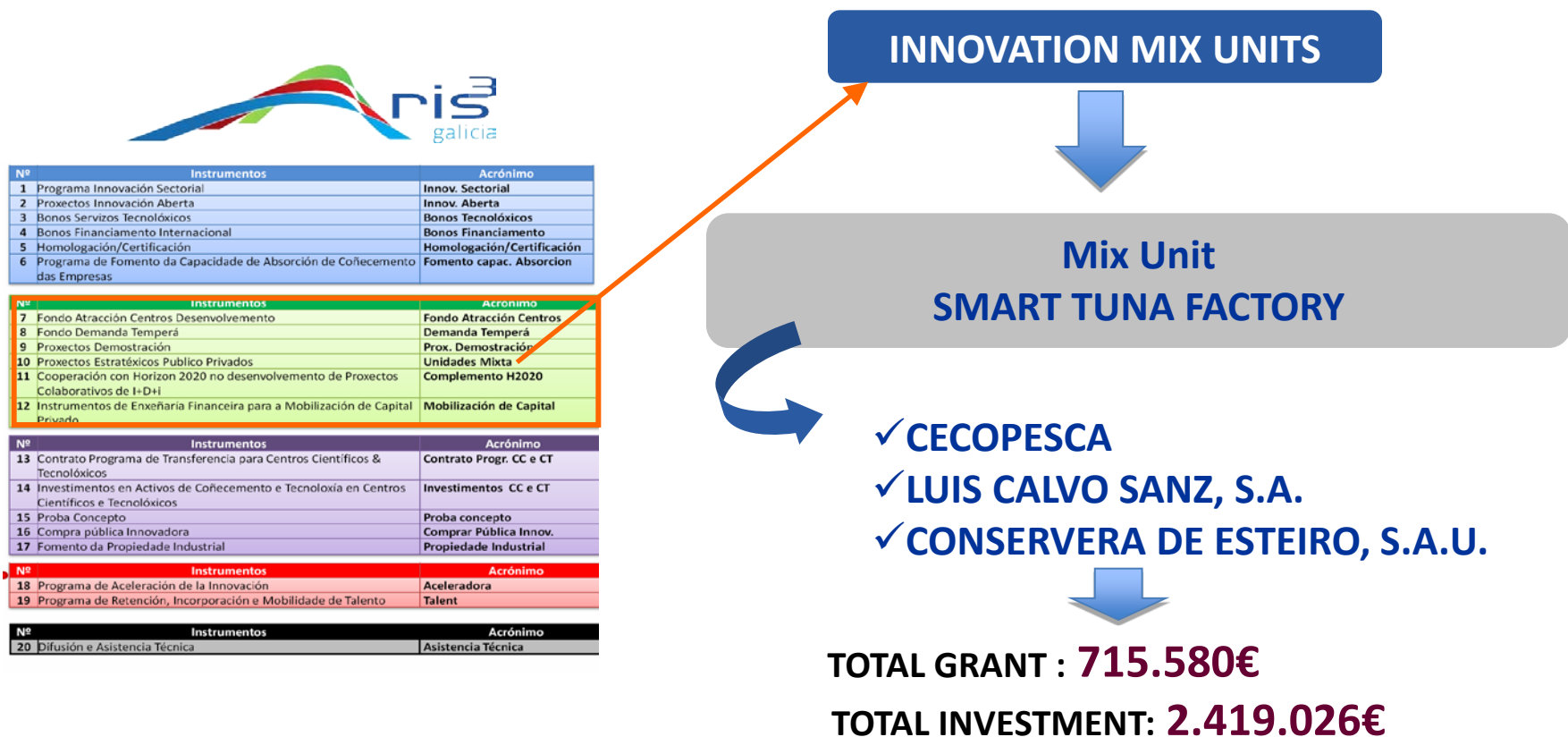


Blue Growth in the Calls in 2014 & 2015



MIX UNITS

Some Strategic Projects under implementation



MIX UNITS

Some Strategic Projects under implementation

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INNOVATION MIX UNITS



Mix Unit
NEW MARINE PROPULSION



✓ AIMEN

✓ WARTSILA IBÉRICA, S.A.



TOTAL GRANT : 679.200€

TOTAL INVESTMENT: 2.289.200€

The Call in 2016

CALL BUDGET	5.000.000€
SUCCESSFULLY SUBMITTED APPLICATIONS	12
BLUE GROWTH APPLICATIONS	2
APPLICANT COMPANIES & RTOs	24

Galician Network of Marine RTOs

- **CETMAR** (Technology transfer)
- **INTECMAR** (Sea water quality conditions)
- **IIM-CSIC** (Specially by-products)
- **CETGA** (Aquaculture)
- **CECOPESCA** (Seafood processing)
- **SEA CAMPUS**
 - **ECIMAT** (Micro-algae)
 - **EURLMB** (European Reference Lab for Marine Bio-toxins)

SUPPORT TO RTOs

Some Strategic Projects under implementation



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JOINING EMBRC – ERIC
(Founding member)

✓ SEA CAMPUS – ECIMAT

TOTAL PUBLIC SUPPORT: 208.000€

SUPPORT TO RTOs

Some Strategic Projects under implementation



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INNOVATIVE METHODS TO FISH
STOCKS MANAGEMENT

✓ SPANISH OCEANOGRAPHIC INSTITUTE

TOTAL PUBLIC SUPPORT: 50.000€

ACTIVATION OF THE BLUE BUSINESS AND R&D SECTORS

**A S3 FOR THE EUROREGION GALICIA-NORTE DE PORTUGAL
TO PROMOTE BLUE BUSINESS AND R&D**

FISHING, AQUACULTURE & OFFSHORE INDUSTRY ALSO IN THE RIS3-T FOCUS



PRIORITIES IN THE RIS3 GALICIA-NORTH OF PORTUGAL

**MARINE ENERGY
& BIOMASS**

**AGRO-BIO/FOOD
INDUSTRY**

**TRANSFORMATION
INDUSTRY
(manufacturing)**

**MOBILITY /
AERONAUTICS
INDUSTRY**

**CREATIVE / ICT /
TOURISM
INDUSTRY**

**HEALTH / ACTIVE
AGING**

THANKS FOR YOUR ATTENTION

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