



# Agri Renaissance

Interreg Europe



European Union  
European Regional  
Development Fund

**4 - 6 September, 2018**

**Kick of Meeting of Agri Renaissance**



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# **BRIEF PRESENTATION OF LA RIOJA REGION**

## BRIEF PRESENTATION OF THE REGION

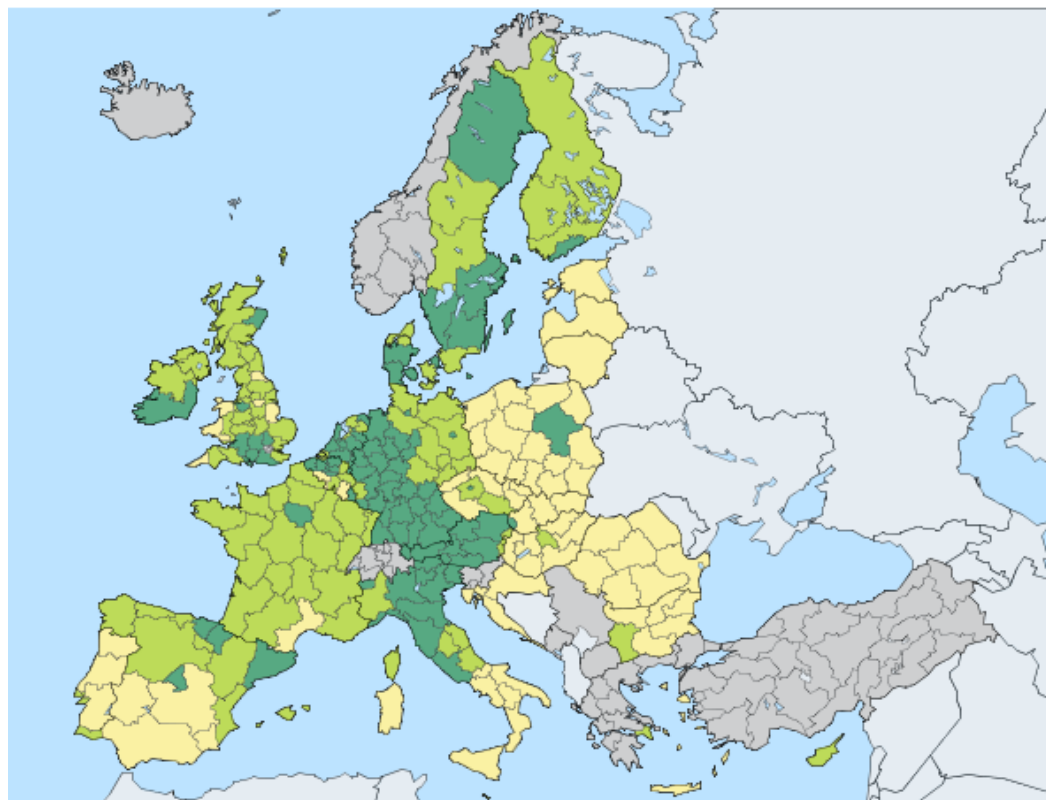


La Rioja (capital: Logroño) is a Spanish region located in the North of the Iberian Peninsula and takes part of the Ebro valley. It is the second smallest autonomous region and the one with fewer inhabitants in Spain, 315.381 in 2017, representing 0.7% of the Spanish population. Half of the region contains 174 municipalities, 94 of which with a population under 200 inhabitants, whereas nearly half of its citizens live in the capital.

## KEY INDICATORS OF LA RIOJA REGION.

INDICATOR	YEAR	LA RIOJA	SPAIN	% SPAIN
Area (Km2)	2017	5.045	505.990	1,0%
Population	2017	315.381	46.572.132	0,7%
Population density (inhabitant / Km2)	2017	62	92	....
GDP (thousands of €)	2017	8.136.621	1.163.662.000	0,7%
GDP per capita (€/ person)	2017	26.044	24.999	....
Unemployment rate (%)	2017	12,0%	17,2%	....
Internal R&D expenditure (thousands of €)	2016	67.336	13.259.769	0,5%
Expenditure on R+D/GDP	2016	0,84%	1,19%	....
Total exports (thousands of €)	2017	1.848.183	277.125.736	0,7%
Coverage rate of the foreign trade (%)	2017	136%	92%	....
Agri-food exports (% of total exports)	2017	32,1%	17,10%	....

## BRIEF PRESENTATION OF THE REGION



Legend

8600.0 - 22500.0

22500.0 - 30200.0

30200.0 - 178200.0

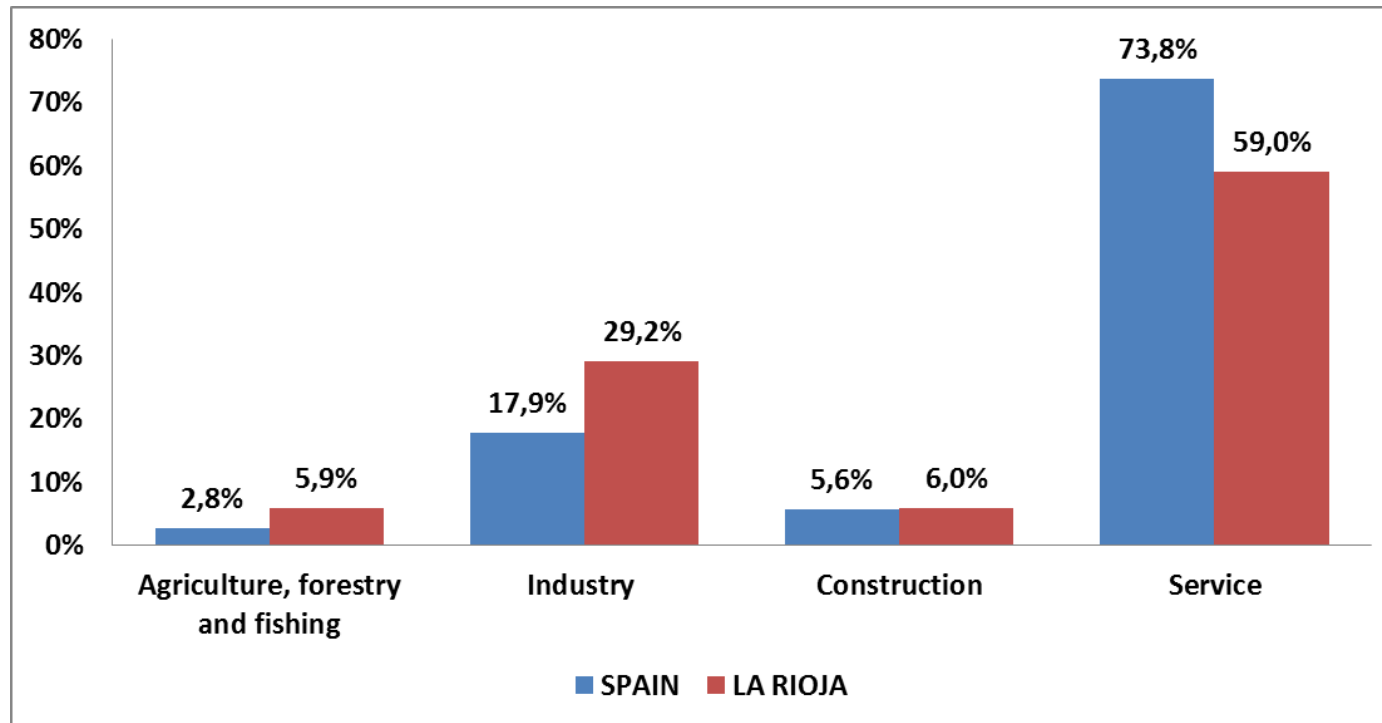
Minimum value:8600.0 Maximum value:178200.0

According to the La Rioja Institute for Statistics (Instituto de Estadística de La Rioja, IAS), in 2017 the gross domestic product (GDP) in La Rioja was €8,132M (the highest since 2012), representing 0.7% of the national GDP.

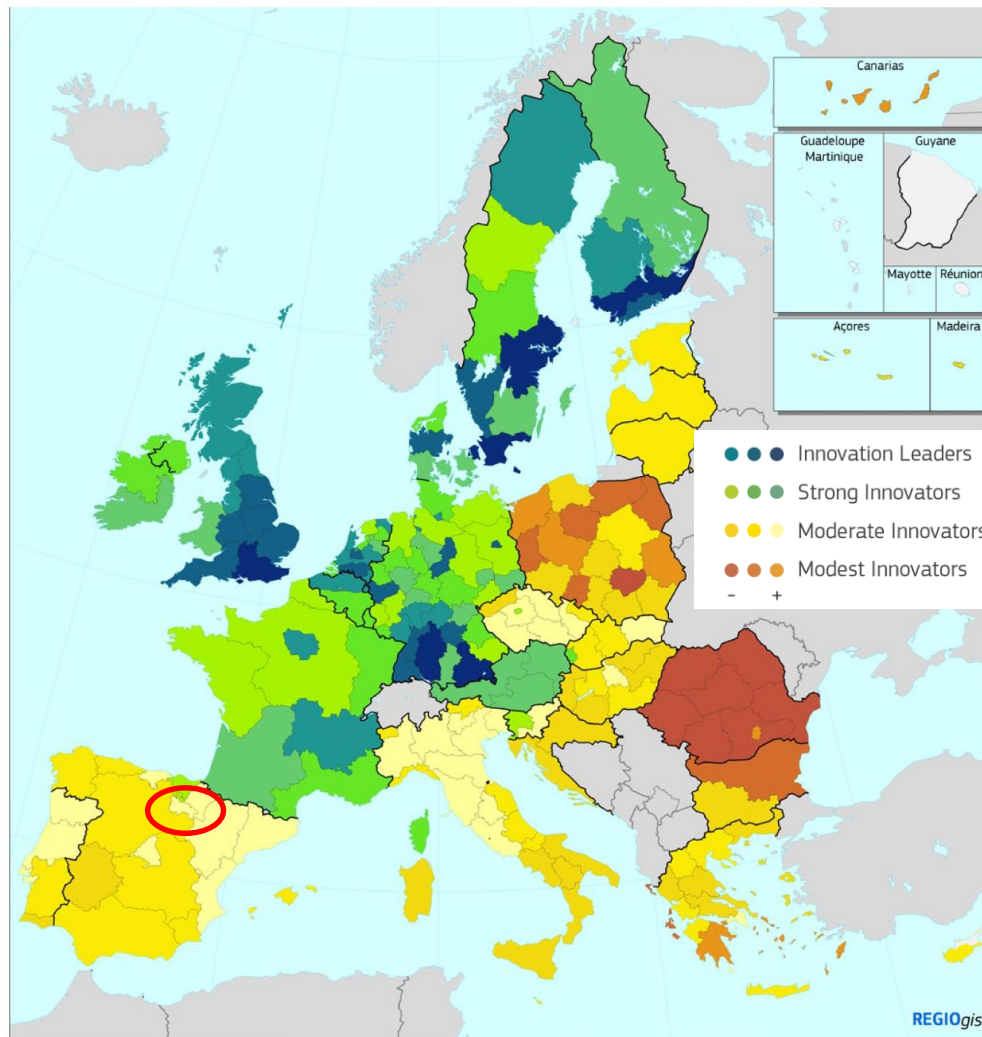
According to the available Eurostat (2017) figures, in 2015 GDP per capita in PPS was 28,200

The GDP per capita is at € , which is above the national average (€24,999) and slightly below the EU 28 average (€29,121).

# BRIEF PRESENTATION OF THE REGION



Based on the second estimation addressed by the National Institute of Statistics (INE) of the Regional Accounting Department of Spain, the contributions of the different sectors to the regional **gross value added (GVA)** in 2016 were: **agriculture 5,9%, industry 29,2%, construction 6,0% and services 58.81%**. The industrial sector constitutes the cornerstone of the regional economy due to its contribution to the production, employment generation and links to the primary sector, which is another essential element of the economic activity of La Rioja. Such predominance of the industry in regional GVA has been a constant in the last decade.



For Cyprus, Estonia, Latvia, Lithuania, Luxembourg and Malta, performance group membership is identical to that in the European Innovation Scoreboard 2017 report. For these countries, the corresponding colour codes for middle one-third regions have been used.

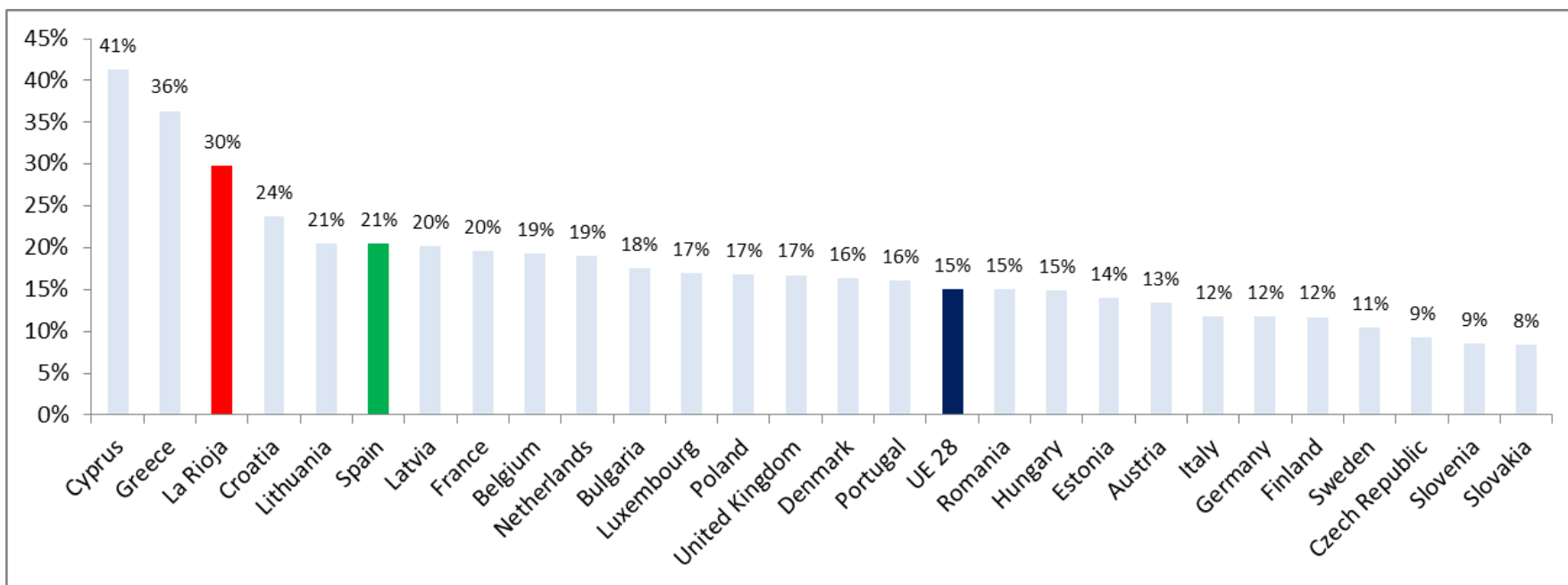
**LA RIOJA IS A MODERATE + INNOVATOR,**  
and innovation performance has increased over time.

## **SPANISH REGIONS DETAIL.**

NUTS	Region	RII 2017	Rank	Group	Change
ES11	Galicia	71.6	142	Moderate	0.0
ES12	Principado de Asturias	66.7	150	Moderate	-4.8
ES13	Cantabria	71.9	140	Moderate +	1.2
ES21	País Vasco	91.4	110	Strong -	-1.4
ES22	Comunidad Foral de Navarra	85.5	120	Moderate +	-10.9
ES23	La Rioja	75.3	134	Moderate +	1.1
ES24	Aragón	78.0	130	Moderate +	-2.9
ES30	Comunidad de Madrid	85.9	119	Moderate +	-0.4
ES41	Castilla y León	66.6	151	Moderate	-6.6
ES42	Castilla-la Mancha	59.8	167	Moderate	-2.1
ES43	Extremadura	55.3	180	Moderate -	-0.3
ES51	Cataluña	88.5	114	Moderate +	-1.0
ES52	Comunidad Valenciana	76.5	132	Moderate +	1.7
ES53	Illes Balears	59.0	169	Moderate	1.5
ES61	Andalucía	65.1	157	Moderate	1.1
ES62	Región de Murcia	66.2	153	Moderate	2.9
ES63	Ciudad Autónoma de Ceuta ±	--	--	--	--
ES64	Ciudad Autónoma de Melilla ±	--	--	--	--
ES70	Canarias	47.9	200	Modest +	-7.1

# **PRESENTATION OF PRELIMINARY RESULTS OF THE REGIONAL DIAGNOSIS**

## SHARE OF EMPLOYMENT IN MANUFACTURING TOTAL %. FOOD INDUSTRY. 2015 YEAR



SOURCE: EUROSTAT

- La Rioja is a Spanish region with the highest percentage of employees in the food industry over the total manufacturing industry.
- In comparison with the European Union, La Rioja is positioned in the third place, only through Cyprus and Greece.

# SOCIOECONOMIC CONTEXT OF AGRI-FOOD SECTOR IN THE REGION

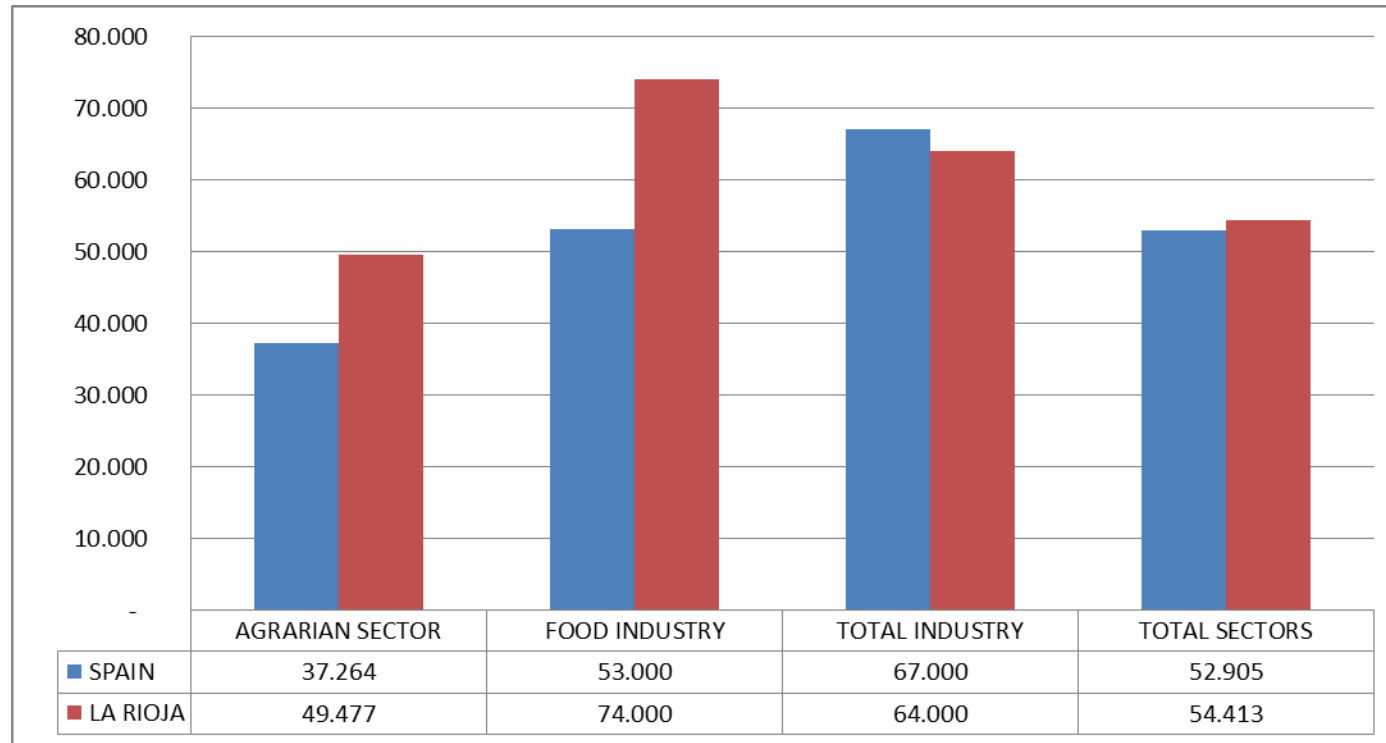
## AGRARIAN SECTOR IN EU, SPAIN AND LA RIOJA. 2015 YEAR.

<b>PRODUCTION VALUE AT BASIC PRICE</b> Thousands of euros.	European Union (UE 28)	Spain	La Rioja	% La Rioja / UE 28
CEREALS (including seeds)	50.241,43	3.607,41	33,41	0,07%
INDUSTRIAL CROPS	20.452,67	1.016,36	7,82	0,04%
FORAGE PLANTS	22.586,68	1.702,48	8,25	0,04%
VEGETABLES AND HORTICULTURAL PRODUCTS	54.232,87	8.547,35	154,60	0,29%
POTATOES (including seeds)	10.300,82	585,78	9,65	0,09%
FRUITS	26.430,92	8.770,43	206,89	0,78%
<b>Grapes</b>	<b>2.657,71</b>	<b>865,99</b>	<b>151,75</b>	<b>5,71%</b>
Olives	2.317,28	1.774,83	5,3	0,23%
<b>WINE</b>	<b>22.804,97</b>	<b>1.092,14</b>	<b>69,09</b>	<b>0,30%</b>
OLIVE OIL	5.311,97	1.772,64	1,71	0,03%
OTHER CROP PRODUCTS	2.782,66	97,57	2,37	0,09%
<b>CROP OUTPUT</b>	<b>215.144,98</b>	<b>27.192,16</b>	<b>493,79</b>	<b>0,23%</b>
ANIMALS	100.200,56	12.501,90	92,22	0,09%
ANIMAL PRODUCTS	64.818,14	4.225,43	11,77	0,02%
<b>ANIMAL OUTPUT</b>	<b>165.018,71</b>	<b>16.727,33</b>	<b>103,99</b>	<b>0,06%</b>
<b>AGRICULTURAL SERVICES OUTPUT</b>	<b>20.358,93</b>	<b>514,92</b>	<b>10,75</b>	<b>0,05%</b>
<b>AGRICULTURAL OUTPUT</b>	<b>400.522,61</b>	<b>44.434,41</b>	<b>608,53</b>	<b>0,15%</b>

SOURCE: Eurostat

- The first agricultural sector in La Rioja is the **VINEYARD AND WINE**. The wine only includes the production of the cooperative sector, which represents the 30% of the total wine production of La Rioja.
- The second crop in value is MUSHROOM, it is included in vegetables and horticultural.

## COMPARISON OF PRODUCTIVITY BETWEEN SPAIN AND LA RIOJA. 2015 YEAR. euro/employee



*SOURCE: Department of Agriculture and Food and Statistics National Institute.*

- The agricultural sector and the food industry in La Rioja have a higher productivity than Spain.
- Note that total productivity in all sectors is also higher in La Rioja than in Spain.

## KEY INDICATORS OF AGRARIAN SECTOR.

	YEAR	LA RIOJA	SPAIN	% SPAIN
Gross value added. Thousand €	2017	450.833	30.165.000	1,5%
Gross value added %	2017	5,50%	2,90%	.....
Productivity	2016	45.238	36.912	.....
Total exports (thousands of €)	2017	15.117	16.649.846	0,1%
Coverage rate	2017	30%	135%	.....
Agrian exports (% of total exports)	2017	0,80%	6%	.....

SOURCE: Statistics National Institute.

## CROP SURFACE DISTRIBUTION.

CROP GROUPS	Ha	%
<b>TOTAL</b>	130.647	100%
<b>CEREALS</b>	50.674	38,8%
<b>VINEYARDS</b>	46.876	35,9%
<b>ALMOND TREES</b>	9.651	7,4%
<b>OLIVE TREES</b>	5.641	4,3%
<b>OTHER FRUITS</b>	4.945	3,8%
<b>VEGETABLES AND HORTICULTURAL PRODUCTS</b>	4.277	3,3%
<b>INDUSTRIAL CROPS</b>	3.123	2,4%
<b>PEAR TREES</b>	2.505	1,9%
<b>FOREGE CROPS</b>	2.422	1,9%
<b>LEGUMINOUS</b>	1.896	1,5%
<b>POTATOES</b>	1.142	0,9%

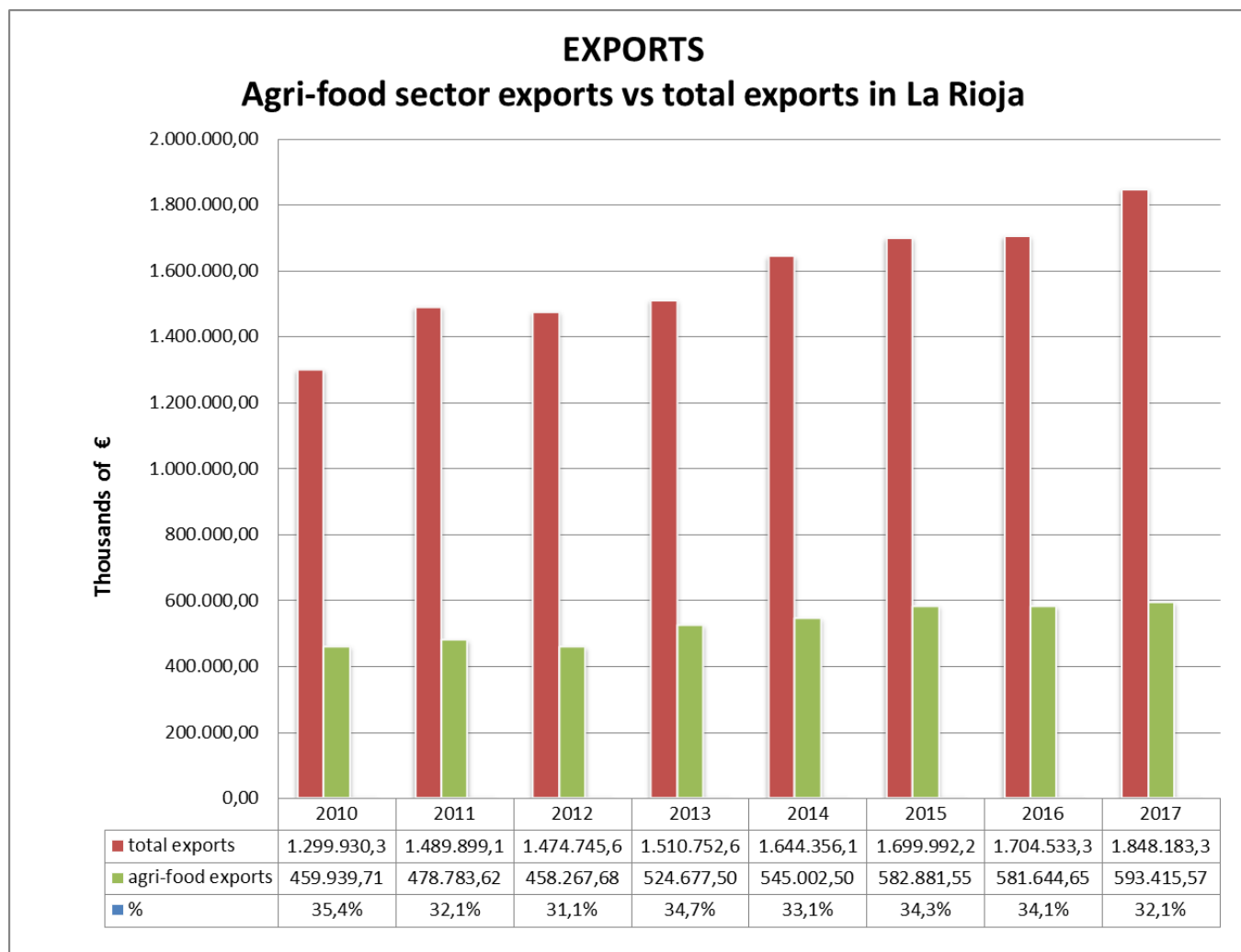
SOURCE: Department of Agriculture.

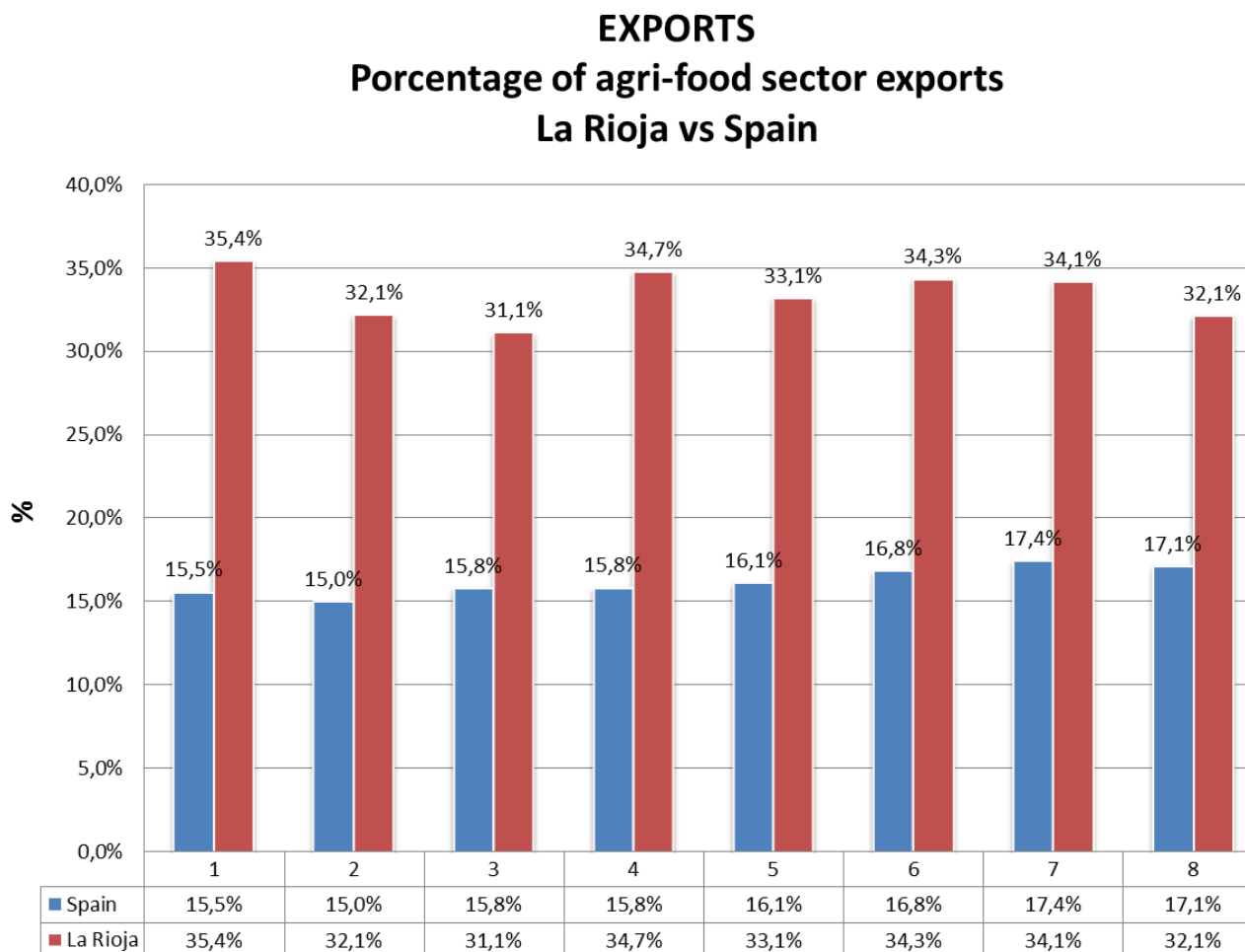
- The low coverage rate in the agrarian sector is due to the most of the agricultural production is transformed in wine and mushrooms. In addition, the conservation industry of La Rioja get a high quantity of raw material from other countries, for example South America.
- The first group of cultivation in La Rioja is cereals (wheat, barley, triticales ...) as well as the vineyard is in second place
- La Rioja is a typical Mediterranean region, with cereal, vineyard, almond and olivar as main crops.

## MAIN INDICATORS OF THE FOOD INDUSTRY IN LA RIOJA

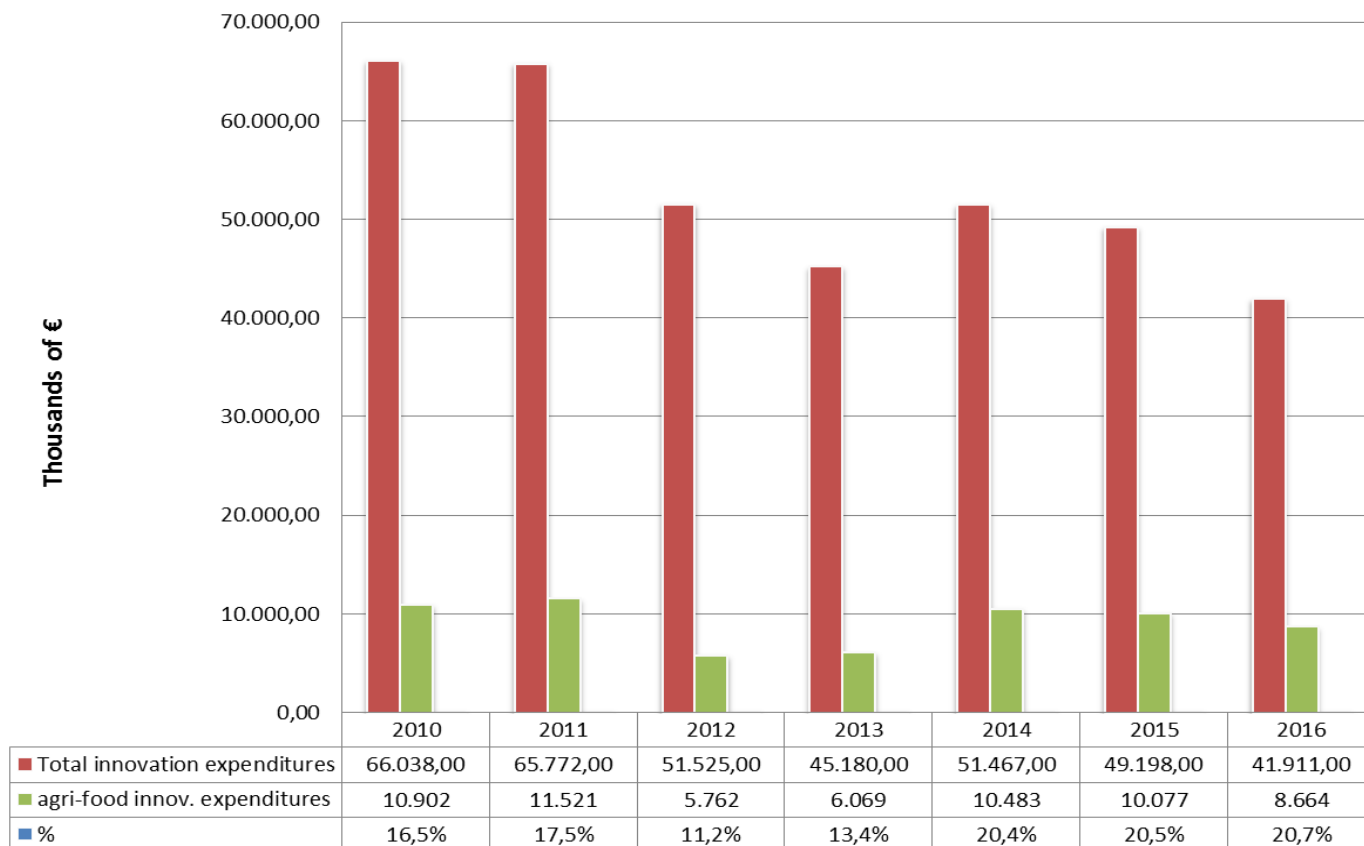
SUBSECTOR	Employees		Turnover		Purchase of raw materials		Gross investment in material assets	
	Nº	% Total s/ I.Alim.	M €	% Total s/ I.Alim.	M €	% Total s/ I.Alim.	M €	% Total s/ I.Alim.
Wines	2.629	39,6	<b>797</b>	44,7	425	40,7	48	67,9
Preserves fruits and vegetables	1.159	17,4	<b>330</b>	18,5	190	18,1	6	8,3
Meat industry	1.433	21,6	<b>318</b>	17,9	211	20,1	10	14,8
Sugar, coffee and confectionery	194	2,9	<b>82</b>	4,6	62	5,9	1	1,9
Bakery and pasta	587	8,8	<b>70</b>	3,9	33	3,1	2	2,3
Other products	288	4,3	<b>64</b>	3,6	37	3,6	1	1,4
Milling and starches	113	1,7	<b>47</b>	2,7	37	3,6	1	0,7
Animal feeding	35	0,5	<b>28</b>	1,6	23	2,2	0	0,1
Oils and fats	78	1,2	<b>20</b>	1,1	13	1,3	1	1,6
Milk products	63	0,9	<b>14</b>	0,8	9	0,9	0	0,6
Fish industry	0	0	<b>0</b>	0	0	0	0	0
Spirits	0	0	<b>0</b>	0	0	0	0	0
Other alcoholic beverages	0	0	<b>0</b>	0	0	0	0	0
<b>TOTAL FOOD INDUSTRY</b>	<b>6.646</b>	<b>100</b>	<b>1.781</b>	<b>100</b>	<b>1.046</b>	<b>100</b>	<b>70</b>	<b>100</b>

Strongly related to the agrarian sector, the first sector of the food industry in La Rioja is **WINE**, followed by **VEGETABLE PRESERVES**. In these two sectors are the largest food companies. There is a high presence of multinationals, especially in the wine sector.

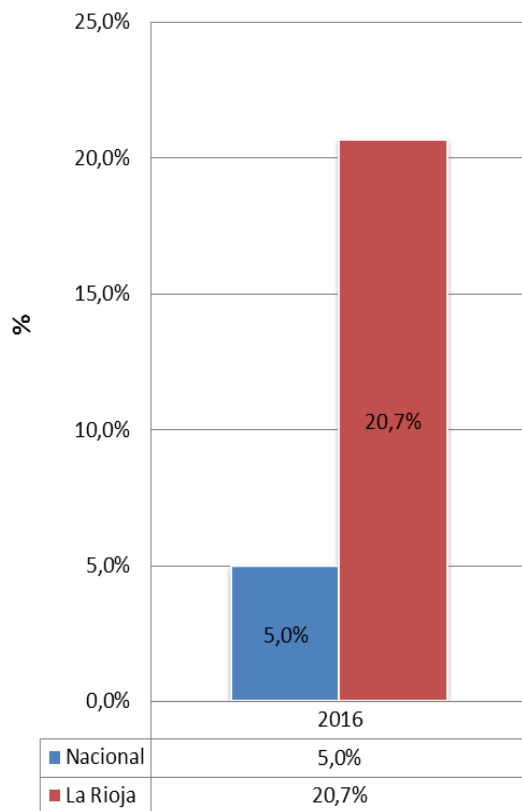




## INNOVATION EXPENDITURES Agri-food sector vs total innovation expenditures in La Rioja



## INNOVATION EXPENDITURES Percentage of agri-food sector exports La Rioja vs Spain



INDICATOR	AMOUNT
% Agrifood sector Internal R&D expenditure over business sector	18,3%
% Agrifood sector Innovation expenditure over business sector	8,3%
% Agrifood sector human resources on R&D over business sector	5,4%
Intensity of innovation	0,60%
% Innovative companies	39%

# SOCIOECONOMIC CONTEXT OF AGRI-FOOD SECTOR IN THE REGION

## WINES



## PROTECTED DESIGNATIONS OF ORIGIN



## PROTECTED GEOGRAPHICAL INDICATIONS



## TRADITIONAL SPECIALITIES GUARANTEED



## WARRANTY MARKS



## COLLECTIVE BRANDS



# SUPRAREGIONAL CONTEXT OF AGRI-FOOD SECTOR



## Basque Country



- Technological Center for Sea and Food (AZTI)
- Tecnalia Technological corporation
- Basque Culinary Center (BCC)
- Basque Institute for Agricultural Research and Development (NEIKER)
- IK 4- Research Alliance

## Navarre



- Institute of Agrobiotechnology (IdAB).
- Innovation Park of Navarra.
- Milk Institute of Lekunberri (ALVO).
- National Center for Technology and Food Safety-Laboratory of the Ebro (CNTA)

# SUPRAREGIONAL CONTEXT OF AGRI-FOOD SECTOR

## Aragon



- Aula Dei Technological Science Park Foundation.
- Aula Dei Experimental Station.
- Center for Agrifood Research and Technology of Aragón (CITA)
- Mediterranean Agronomic Institute of Zaragoza (IAMZ)
- IA2. Agrofood Institute of Aragon

## Catalonia



- Agri-Food Science and Technology Park of Lleida.
- University Agri-Food Science and Technology Park of University of Girona
- Scientific Park of Barcelona.
- BZ Barcelona Innovation Zone.
- Technological Park Barcelona Norte.
- Institute of Agrifood Technology.
- Institute of Nutrition Research and Food Safety (INSA-UB).
- Institute of Biotechnology and Biomedicine "Vicent Villar Palasi" (IBB).
- Center for Animal Biotechnology and Gene Therapy.
- Technological Center of Nutrition and Health (CTNS).
- Center for Research in Food Safety and Control (CRESCA).
- Center for Environmental Technology and Toxicology (TecnATox).
- Center for Innovation in Applied Biotechnology (DINAMIC).
- Center for New Technologies and Food Processes (CENTA).
- Agrifood Campus of Gerona.
- Agrifood Research and Technology Institute (IRTA).
- Catalan Institute of Vine and Wine (INCAVI).
- Research Center in Agri-Food Economy and Development (CREDA-UPC-IRTA).

# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR

## *Universities & Research Centers*



University of La Rioja



Institute of Grapevine  
and Wine Sciences  
(ICVV)



Regional lab



Biomedical  
research center  
of La Rioja



## *Technological Centers*



Agri-food  
technological  
center of La Rioja  
(Ctic Cita)



Mushroom  
Research  
Technological  
Center (CTICH)



## *Support of innovation*



La Rioja  
Government



Agro food Cluster  
FOOD+i



Innovative business  
group of the ICT sector  
of La Rioja (AERTIC)



Economic Development  
Agency of La Rioja  
(ADER)



Federation of  
entrepreneurs of  
La Rioja (FER)



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR

  
**Agri  
Renaissance**  
Interreg Europe



## Main features

Inaugurated in 1992-1993

20.000 professionals has been trained

Closely linked to the needs of the region

### Facilities

4 faculties & 2 university schools

19 degrees

Postgraduate program initiatives

## Main achievements

Group **90% of researchers** in the region

More than **800 agreements** with companies and public institutions for internships and international stays of students

**Agri food department**

## Regional Collaborations

 Gobierno de La Rioja



 CIBIR  
Centro de Investigación Biomédica de La Rioja

 Ctic Cita.  
CENTRO TECNOLÓGICO AGRARIO-INNOVATIVO



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Research Center devoted to scientific investigation on Viticulture and Oenology

Join agreement of the Government of La Rioja the Spanish National Research Council and the University of La Rioja.

New knowledge and technologies in Viticulture and Oenology

## Main achievements

Supports the **university education** focused on viticulture and oenology, especially at post-graduate stages

**Reference center** for grapevine and wine research and development.

## Regional Collaborations



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Several integrated labs:

- Viticulture and Enology Section
- Agrarian Management Section
- Crop protection section
- Control and certification of Integrated Production and Ecological Production
- Management and maintenance of the network of agrometeorological stations

Regional laboratory



## Main achievements

Promote the **development of the agricultural environment** in La Rioja, mainly in the wine sector

Creation of **networks and collaborations** between the different regional and national laboratories to improve knowledge and innovation in the agricultural sector



## Regional Collaborations



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Translational research based on excellence in 6 strategic areas:

- Infectious diseases
- Oncology
- Neurodegenerative diseases
- Resistance to antibiotics
- Health economics
- Care Research

4 technological platforms:

- Genomics and Bioinformatics
- Bioethics and Medical Education
- Biomedical Research
- Support for clinical research



## Main achievements

Contribute to the **development of new therapies and treatments** to improve the health and quality of life of citizens.

Contribute to the development of a **biotechnological network** that helps regional economic growth

Promote the **Training and Education** for professionals in the health area bringing closer the research to clinical practice.



## Regional Collaborations



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Strategic collaborator for companies in agri food sector

### Facilities & Centres:

- Ctic based on meat industry and wet extruded industry
- Cita an innovation centre oriented to the fruit and vegetable sector and ready to eat meals
- Micro and analical lab.
- 7 pilot plants (vegetables, meat & packaging)
- Tasting room



## Main achievements

Development of **new food products** & **new packaging materials** validation

Provide **innovative solutions** from consumer to agrifood companies

Application of online (Mundosabor) tool for **consumer studies**

Increase the **development** and competitiveness of the **agri-food sector**



## Regional Collaborations



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Research & Innovation in mushroom sector (cultivation, transformation and fresh market)

### Facilities

- Analitical services:  
Physico-chemical analysis of substrates and raw materials
- Pilot Plant of processing mushroom substrate
- Pilot Plant of elaboration of substrate of exotic mushrooms



## Main achievements

Research in bioactive compounds of mushrooms with health properties (anti tumoral, obesity...)

Management of the residues coming from mushrooms

Increase the **development** and competitiveness of **mushroom sector**



## Regional Collaborations

 UNIVERSIDAD DE LA RIOJA

 Gobierno de La Rioja

 CIBIR  
Centro de Investigación Biomédica de La Rioja

 Ctic Cita.  
Centro Tecnológico de Investigación y Competitividad

# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR

## Main features

Private entity settled up in 2009

91 companies (81 % SME), Main producers of Ebro Valley

Promote the competitiveness and development of the agri-food sector of the Ebro Valley

R & I projects at a national and international level, with a market vision

Fast track of new products- solutions close to the market within the European environment.

Projects with sectorial strategic interest

New Food Business- anticipation of business trends



FOOD IN PROGRESS

# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR

## Main features

Private entity settled up in 2010

76 companies

Promote the competitiveness and development of the ICT sector in La Rioja

R&I joint projects at a national and international level

Support for the business development of companies through marketing diffusion actions, partner technology and collaboration with the different training centers

ICT training to attract talent and promote ICT education for future professionals of the sector.



## Main features

Private entity settled up in 1977

3000 companies

Promote a framework that contributes to  
**business development** in La Rioja

**Defense of the general interests** of companies and free enterprise initiative



Business lobby , training , support to internationalization or innovation,  
project management...



# KEY ACTORS IN R&D AND INNOVATION IN AGRIFOOD SECTOR



## Main features

Public entity settled up in 1997



Promotion of the regional economic development



- Increase the dimension and capacity of the productive fabric.
- Improve the competitiveness and productivity of our companies.
- Extend innovation and industrial development.
- Dynamize new projects.
- Promote entrepreneurship
- Support the globalization of our companies.
- Generate quality employment.
- Modernize the commerce-city

# STAKEHOLDER MAP OF THE REGIONAL AGRIFOOD SECTOR



## Biotechnology

Biomedical Research Center  
in La Rioja (CIBIR)

Biorioja Group

Spanish Association of  
Biocompanies ASEBIO

Institute of Grapevine and  
Wine Sciences (ICVV)

Agrarian Research Center  
- La Rioja Government

Agri-food technological center  
of La Rioja (Ctic Cita)

Mushroom Research  
Technological Center (CTICH)

Cluster Food+i

University of La Rioja (UR)



## Nanotech & ICT



Innovative Business Group of the  
ICT sector of La Rioja (AERTIC)

Emerging Chemical Technologies  
Institute (INTERQUIMICA)

University of La Rioja (UR)



## Associations

Professional agricultural  
organizations (ARAG ASAJA)

Union of farmers (UAGR)

Brand associations of  
differentiated quality

*Wine, fruit, oil, cheese ,  
chorizo, vegetables...*

# STAKEHOLDER MAP OF THE REGIONAL AGRIFOOD SECTOR



# MAIN PROGRAMS AND INICIATIVES SUPPORTING R&D AND INNOVATION



## SMART SPECIALISATION OF LA RIOJA 2014-2020 (RIS3)

La Rioja has in force **three strategic plans** linked to innovation:

- The R&D&I strategy of La Rioja 2012-2020
- The strategy for La Rioja 2020 “La Rioja2020”
- The RIS3 of La Rioja 2014-2020.

The first two plans are strategic documents which have been used to build the RIS3 strategy.

The **RIS3 strategy** focuses on four main sectoral with the highest innovation potential:

- Agrofood
- Metal works, automotive and advanced manufacturing
- Shoes and new materials.
- Wood and furniture.

It also identifies a series of technologies as drivers of change: nanotechnologies, biotechnologies and ICTS.

Currently, the RIS3 strategy is **being reviewed** to adjust the specialization priorities beyond of the sectoral view



# MAIN PROGRAMS AND INICIATIVES SUPPORTING R&D AND INNOVATION

## 5th PLAN OF LA RIOJA PLAN FOR RESEARCH, DEVELOPMENT AND INNOVATION 2017-2020

- The 5th plan is the instrument and framework for **planification, management, execution and evaluation** of the policy of the Autonomous Community of La Rioja in terms of research, development and innovation.
- The plan integrates the programs of scientific research and technological development, the **actions** that the Autonomous Community has to promote in these matters and the participation in the national and international cooperation programs, as well as the necessary **mechanisms for the control** of the correct application of the budgetary funds and the dissemination of the conclusions obtained.



# MAIN PROGRAMS AND INICIATIVES SUPPORTING R&D AND INNOVATION



## LA RIOJA ERDF 2014-20 OP

The ERDF OP **identifies 3 key challenges** to achieve this objective:

- Increase R&I resources,
- Foster the collaboration between companies and research and technology organisations (RTOS) and,
- Increase R&I capacities.

The action lines included under this document aim at **the improvement of the R&I capacities** through the improvement of infrastructure and equipment in order for research staff to have the necessary resources for conducting excellent R&I.

Actions shall also aim at **increasing coordination** and complementarity among RTOS and between them and companies. The ERDF OP establishes that these actions shall focus on the key sectors identified in the RIS3, among them, and specially in the agri-food sector.



UNIÓN EUROPEA



LA RIOJA  
CRECE CON  
EUROPA



# MAIN PROGRAMS AND INICIATIVES SUPPORTING R&D AND INNOVATION



## DIGITAL AGENDA OF LA RIOJA 2020

This strategic plan is led by Government of La Rioja in collaboration with the University of La Rioja and the ITC business sector of La Rioja.

The digital agenda has **five strategic initiatives**:

1. **Talent**
2. **Means**
3. **Social transformation**
4. **Digital economy**
5. **Open public services**



# MAIN PROGRAMS AND INICIATIVES SUPPORTING R&D AND INNOVATION

## OTHERS STRATEGIC PLANS

### INDUSTRIAL DEVELOPMENT PLAN OF LA RIOJA



### STRATEGIC PLAN FOR SANITARY INNOVATION



### RURAL DEVELOPMENT PLAN OF LA RIOJA 2014-2020



# **PRESENTATION OF GOOD PRACTICES OF LA RIOJA REGION**

# GOOD PRACTICE Nº 1

## TITLE: INSTITUTE OF GRAPEVINE AND WINE SCIENCES (ICVV)

**BRIEF DESCRIPTION:** (ICVV) is a Research Center devoted to scientific investigation on Viticulture and Oenology. The **ICVV** has the goal of **generating new knowledge and technologies** in Viticulture and Oenology, which can be the base for **technological development and innovation** within the grape and wine productive sector, an economic sector that is inherent to the Spanish agriculture and culture. The **ICVV** promotes **transfer of scientific and technological results** to the society, aiming that its research activity ends in practical applications and contributes to the development of the sector. The **ICVV** also supports the university education focused on viticulture and oenology, especially at post-graduate stages.

**INSTITUTION INVOLVED:** Government of La Rioja (by means of the Regional Agricultural Ministry), the Spanish National Research Council and the University of La Rioja.

### RELATION WITH THREE THEMATIC AREAS:

- R&I infrastructure & capacities
- R&I public-private collaboration
- Hybridation of the agri food sector with other sectors

**COFUNDING (FEDER, FSE, FEADER...):** FEDER (2007-2013 O.P)

**MAIN RESULTS:** To generate knowledge on the basic biological and physical-chemical processes which are responsible for the different quality parameters of grapes and wine.

To develop environmentally-friendly farming procedures contributing to the maintenance of the viticultural agro-system.

Analyze wine and its production process from the basis of its contribution to health and food safety.

# GOOD PRACTICE Nº 2

**TITLE: FUNDING PROGRAM FOR PREDOCTORAL STUDENTS IN TECHNOLOGICAL CENTERS, RESEARCH CENTERS AND COMPANIES ESTABLISHED IN THE AUTONOMOUS COMMUNITY OF LA RIOJA**

**BRIEF DESCRIPTION:** The objective of this funding program is to promote the carrying out of research activities in La Rioja by predoctoral students, in order to ensure an effective impact in the region, facilitating the preparation of doctoral theses within the framework of a real research project and improving the employability of young researchers through the transfer of scientific knowledge to the agri-food sector, among others.

**INSTITUTION INVOLVED:** La Rioja Government, technological centers, research centers and companies established in La Rioja

**RELATION WITH THREE THEMATIC AREAS:**

- R&I infrastructure & capacities
- R&I public-private collaboration
- Hybridation of the agri food sector with other sectors

**COFUNDING (FEDER, FSE, FEADER...):** ---

**MAIN RESULTS:** Increase research and development activities in La Rioja and improve the capacities of young researchers in the region in order to foster their employability in the agri-food sector

# GOOD PRACTICE Nº 3

## **TITLE: Setting up of a supra regional Agri food Cluster. (Cluster FOOD +i)**

**SHORT DESCRIPTION:** Cluster Food+i was created as a private initiative of Ctic Cita and nowadays is co-funded by La Rioja Government. The Ebro Valley region is the most competitive agri food region on Spain and Food+I comprises the main producers in this region. It is an open innovation platform which main objective is to increase competitiveness of the agri food industry through innovation.

**INSTITUTION INVOLVED:** Ctic Cita, La Rioja Government & Ebro Valley agri food industry

### **RELATION WITH THREE THEMATIC AREAS:**

- R&I infrastructure & capacities
- R&I public-private collaboration
- Hybridation of the agri food sector with other sectors

**COFUNDING (FEDER, FSE, FEADER...):** No

**MAIN RESULTS:** Encourage collaboration between different companies in the Ebro Valley (Projects and agreements); Support food companies in food product innovation and product differentiation on the market; New Food Business- start up accelerator.

# GOOD PRACTICE Nº 4

## **TITLE: HEALTHY RIOJA STRATEGY. PROMOTION OF HEALTHY FOOD AND COOPERATIVE R+I**

**SHORT DESCRIPTION:** The main objective is to boost the food industry through the bioeconomy, health and technologies 4.0. The Strategy HEALTHY RIOJA is coordinated by Ctic Cita with the support of La Rioja Government. Four objectives: generate business opportunities in the field of health and nutrition; develop new healthy products; transfer and exploitation of the results and promote cooperative R + D + I between the agents of La Rioja Innovation System with technological capabilities

**INSTITUTION INVOLVED:** Ctic Cita & La Rioja Government (DG Innovation)

### **RELATION WITH THREE THEMATIC AREAS:**

- R&I infrastructure & capacities
- R&I public-private collaboration
- Hybridation of the agri food sector with other sectors

**COFUNDING (FEDER, FSE, FEADER...):** FEDER

**MAIN RESULTS:** Promote cooperative R&I, aligned with the regional NANO-BIO-ICT strategy, to enhance the competitiveness of La Rioja Innovation System and the innovative capacity of the region to promote healthy food.

# GOOD PRACTICE Nº 5



Renaissance

Interreg Europe

## TITLE: TECHNOLOGICAL CENTRE FOR RESEARCH ON MUSHROOM (CTICH)

**BRIEF DESCRIPTION:** (CTICH) is a research centre founded in 2003 and based in Spain, which aims assisting compostyards and growers to become more competitive.

(CTICH) is assigned by the Government of La Rioja, by agreement, to the Professional Association of Mushroom Growers of La Rioja, Navarra and Aragon.

The main objective is to centralize experimentation and research within cultivated mushroom sector, making the use of new materials and techniques of cultivation and leveraging automation at all stages of the production process

**INSTITUTION INVOLVED:** The Professional Association of Mushroom Growers of La Rioja, Navarra and Aragon and Government of La Rioja.

### RELATION WITH THREE THEMATIC AREAS:

- R&I infrastructure & capacities
- R&I public-private collaboration
- Hybridation of the agri food sector with other sectors

**COFUNDING (FEDER, FSE, FEADER...):** FEDER (2014-2020 O.P)

**MAIN RESULTS:** The development of research and innovation projects focusing on the sector is the main basis of the CTICH activities. The two most important elements to keep the quality of the mushroom culture in La Rioja are the adaptation of leading technologies and the own research.

Research areas: Compost production and growing; Environment; Exotic mushrooms; Biotechnology and Health



# Agri Renaissance

Interreg Europe



European Union  
European Regional  
Development Fund

## Thank you!

Questions welcome



*Project smedia*