



# CASA - SCAR NATIONAL MEETING AT INIA - SPAIN

## Madrid, May 10<sup>th</sup> -11<sup>th</sup> 2017

### OPENING SPEECH



**Dr. Manuel Lainez**  
**Director INIA**

# Spanish Agrifood System (2015)

- 22% primary production
- 27% agriculture and food processing industry
- 11% production products and services

11% GDP



100,000 M€ a year

- 9% transportation
- 22% distribution and commercialization



# THE SPANISH AGRI-FOOD SECTOR

**7% occupied population**

**900.000 farms**

**30.000 companies**

**17 % exports**



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y Tecnología Agraria y Alimentaria

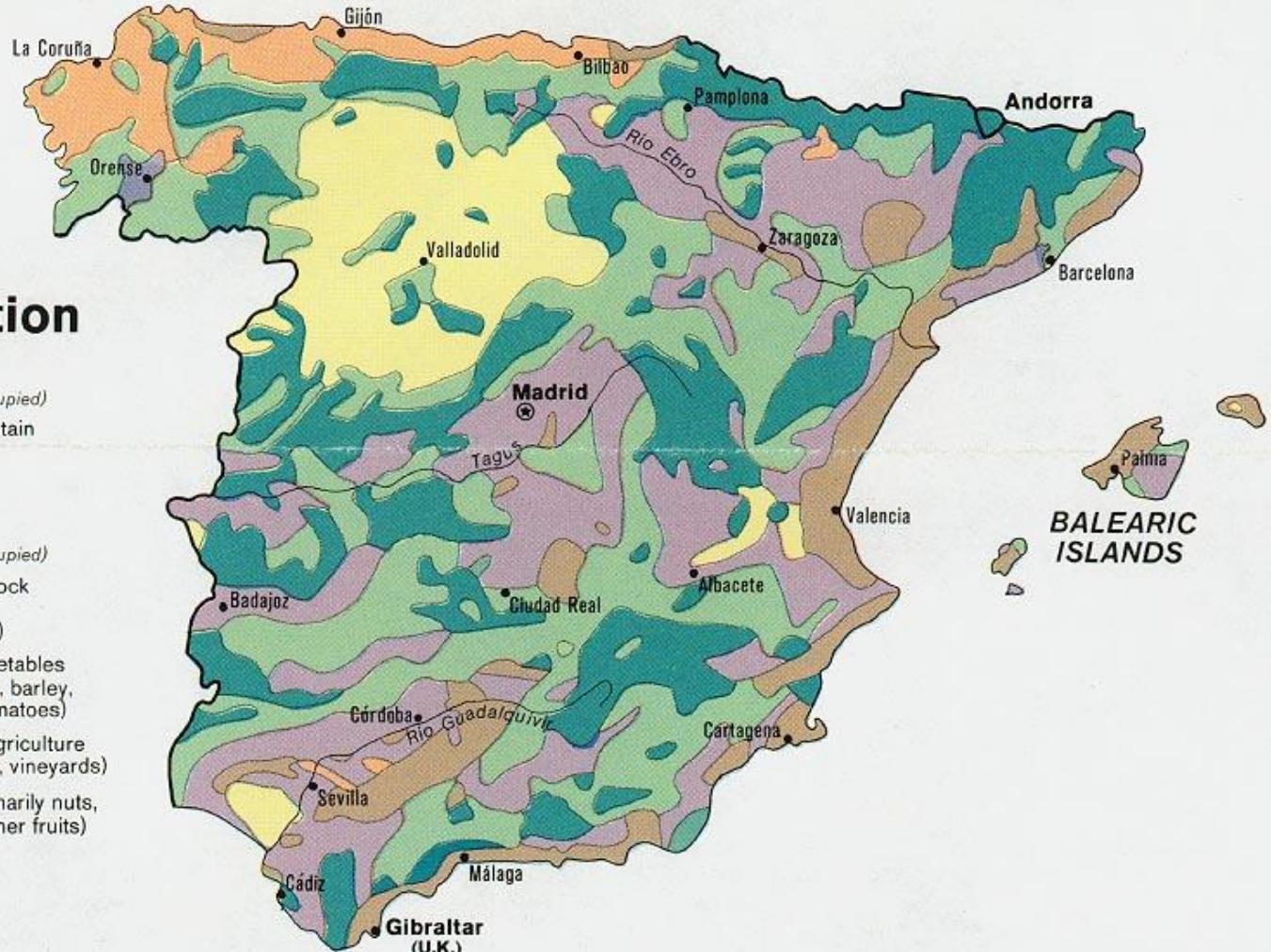
# Land Utilization

## NONCULTIVATED (Over 50% of land surface occupied)

- Forest and mountain vegetation
- Pasture

## CULTIVATED (Over 50% of land surface occupied)

- Crops and livestock (primarily corn, potatoes, cattle)
- Cereals and vegetables (primarily wheat, barley, sugar beets, tomatoes)
- Mediterranean agriculture (primarily olives, vineyards)
- Tree crops (primarily nuts, oranges and other fruits)

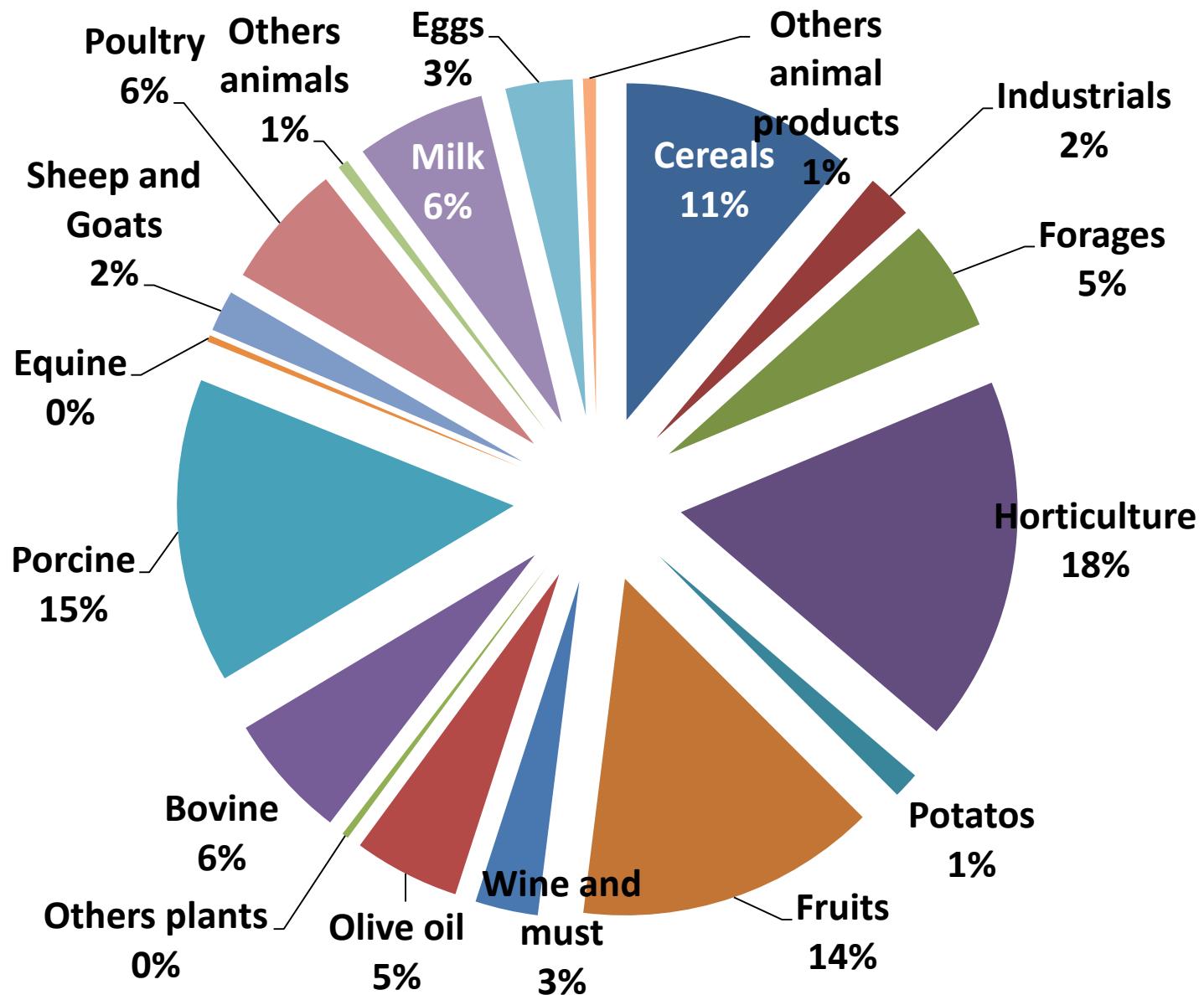


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# THE SPANISH AGRICULTURAL SECTOR





**Is the first industrial sector in Spain in turnover**

**90.168 million of euros:** 20,5 % of the net sales of the Spanish industry

4 ° in sales in Europe, and 8 ° worldwide

16,8 % of the gross added value of the industry

**2,7 % of the GDP of Spain**

**439.675 employments:** 20,2 % of the industrial employment, with a rate of unemployment lower than the average of the total of the economy

Sector with a total of **29.196 companies**, where:

More than 500 employees

Between 499 y 10 employees

Less than 10 employees





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# What is INIA?

## National Institute for Agricultural and Food Research and Technology



## INIA is a Public Research Organization (OPI)

- One of the 7 Public Research Organizations of the Secretariat of State for Research, Development and Innovation of the Ministry of Economy and Competitiveness.
- Only OPI dedicated exclusively to agrifood and forestry research.
- 850 staff, 700 in research and innovation activities
- The Secretary of State for R&D&i is the President of INIA.

Ministry of Economy  
Competitiveness and  
Industry

Secretary of State  
for R&D&i

CSIC

ISCIII

CIEMAT

INIA

IEO

IGME

IAC



## Main activities of INIA:

- 1. Promote cooperation and coordination in the Spanish agrifood research activities, in particular with the Autonomous Regions, through the Agricultural Research Coordinating Commission.**
- 2. Representation of Spanish agrifood research at international level.**
- 3. Execution of research and technology projects and technology transfer activities, as an agrifood research institution with its own research centers and departments.**



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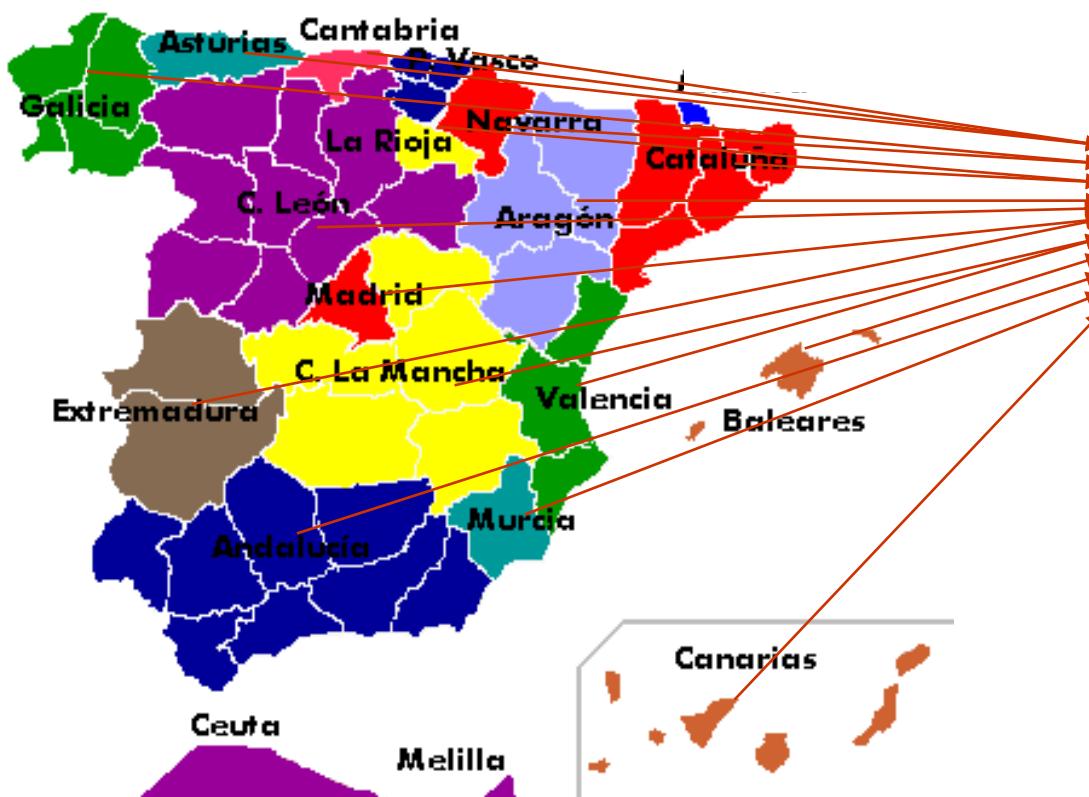
# INIA - Autonomous Regions System





# COORDINATION State Plan application

## INIA - Autonomous Regions System



**INIA chairs the  
Agricultural Research  
Coordinating Commission**



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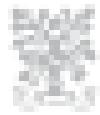
# Spanish Agro food Research Landscape



**INIA – CCAA System**



**Schools of Agronomy and Rural environment**  
**Faculty of Veterinary Medicine**  
**Schools of Forestry**  
**Faculty of food Technology**  
**Faculty of Biology, Chemistry, biotechnology, etc.**



**CSIC**

CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

**28 agro food research centers**

**Technological centers**  
**CNTA, AINIA, CTAEX,**  
**CITOLIVA, CTC, etc**



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## Main activities of INIA:

1. Promote cooperation and coordination in the Spanish agrifood research activities.



# What for cooperation and coordination?

Face and solve Spanish agro food current or future challenges, through knowledge generation

- 1. Current or future challenges identification.**
- 2. Facilitate public – public collaboration to oriented knowledge generation**
- 3. Promote public – private collaboration to knowledge transfer and application.**



# cooperation and coordination

How?:

## 1. Current or future challenges identification:

- Identifying current challenges
  - Public administration: MAPAMA y CCAA
  - Private sector: stakeholders as associations, technological platforms, etc.
  - Researchers
- Taking part in different foresight exercises
  - International foresight exercises: SCAR, OECD, FACCE, GRA, EPSO, ATF, etc
  - National exercises: “acciones sectoriales”

# INIA

## **foresight exercises in agro food and bioeconomy**

# **Scientific and technological foresight**

**As the systematic and participatory process of collecting information aimed at generating future knowledge and building a medium- and long-term vision of science, technology and society.**

**SCIENTIFIC AND TECHNOLOGICAL  
FORESIGHT  
IN INIA**

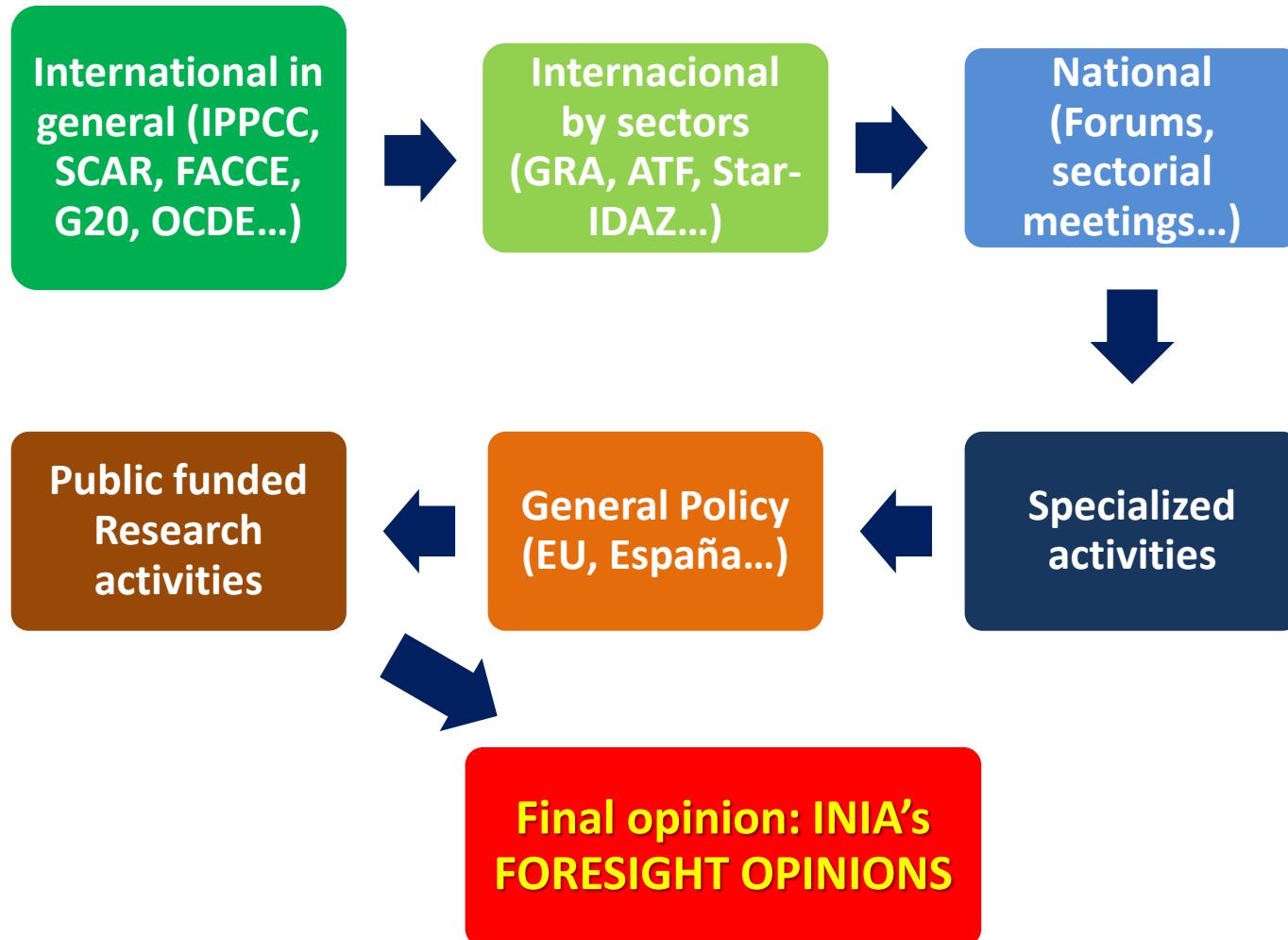


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## 1. El INIA y la prospectiva de investigación





# cooperation and coordination

## How?:

2. Facilitate collaborative knowledge generation facing challenges:

- Knowing public research groups capacities
  - Public funded research projects
  - Groups specialization
- Promoting networking between research groups
  - Strategic research projects identification
  - Promoting researchers involvement
- Looking for finance support
  - Priorities of State Plan, SEIDI and MAPAMA
  - Promote public private calls for strategic subjects
- Joint research activities: private and public
  - Specialized meetings



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# cooperation and coordination

**How?:**

## 3. Promote Knowledge's application:

- Transfer, diffusion and interaction
  - Public-Private Partnership Forums
  - Thematic forums
  - Collaboration with Technological platforms
  - AGRIPA platform



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## Main activities of INIA:

### 2. Representation of Spanish agrifood research at international level.



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# International representation agro food research

## What for?:

- 1. To cooperate in knowledge generation: to develop joint research projects directed to OUR challenges**
- 2. To raise funds to finance cooperative research**
- 3. To promote cooperation for the development of the Agro Food sector**



# International representation agro food research

## How?:

### 1. Cooperate in knowledge generation: joint research projects directed to OUR challenges

- **Include our challenges in international initiatives**
  - SCAR and H2020
  - Strategic Agendas: FACCE y ERA-NETS
  - Strategic Agendas: GRA, G20, OECD, EPSO, ATF
  - PRIMA
- **Support funding to those initiatives:**
  - WP de H2020
  - Spanish Agencies support to the Joint Program Initiatives:  
AEI, CDTI
- **Search bilateral cooperation:**
  - Institutions with complementary interests



# International representation agro food research

How?:

## 2. Raise funds to finance cooperative research:

- Encourage participation Spanish groups
  - Individualized information
  - Meetings / thematic forums
- Encourage participation of Spanish companies
  - The same
- Facilitate submission of applications
  - NCP
  - Individual support



# International representation agro food research

How?:

## 3. Promote cooperation for development through the Agro Food sector :

- Latin America: INIAs y FONTAGRO
  - Identify topics of interest
  - Establish strategic agendas
  - Research groups interaction
  - Research project preparation
- Agriculture for development: Africa, world
  - AECID Programs
  - European Initiatives: PRIMA, EU-Africa Bureau
  - FAO initiatives: TAP
  - Other: Agrinatura, others



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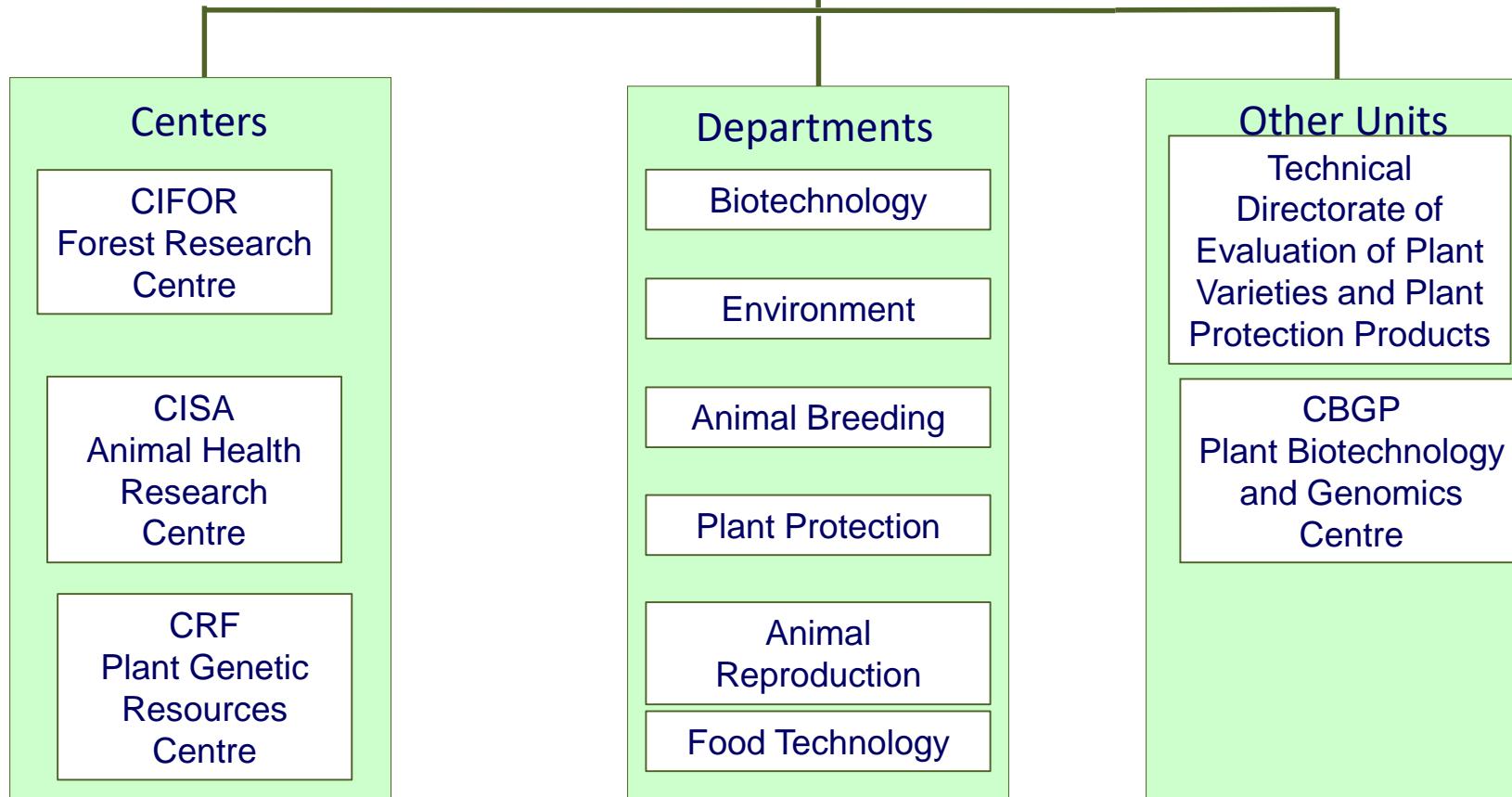
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## Main activities of INIA:

3. Execution of research and technology projects and technology transfer activities, as an agro food research institution with its own research centres and departments.



## Deputy Direction for Research and Technology (SGIT)





Muchas gracias