

# **Oportunidades de financiación Bioeconomía**

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## **Panorama de programas europeos y estatales**

## Programas europeos

intensidad en I+D+i

TRL1

TRL9

Top-down (mayoría)



Bottom-up



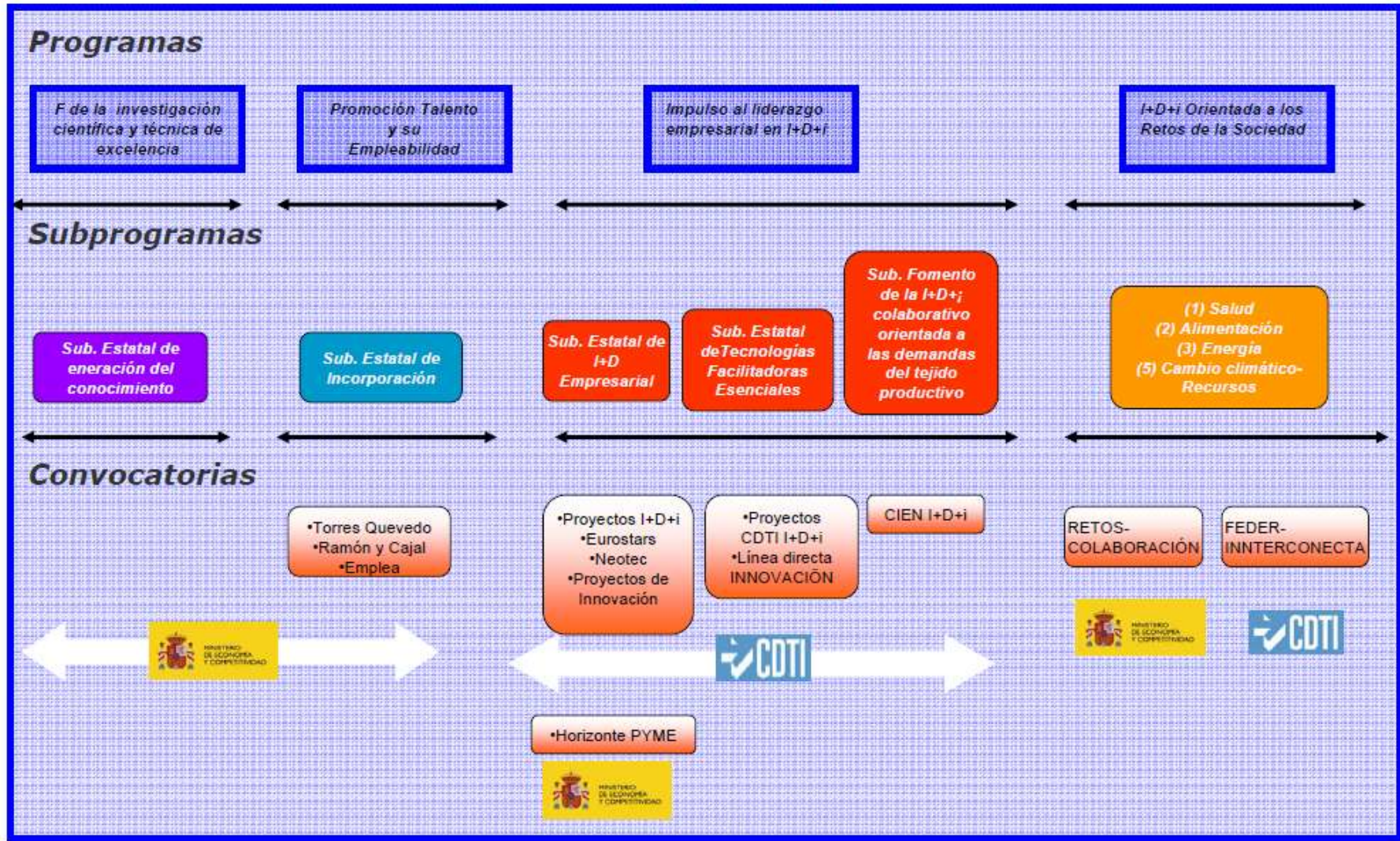


# Programas nacionales



ainia

## Plan Estatal de Investigación Científica, Técnica y de Innovación 2013-2016



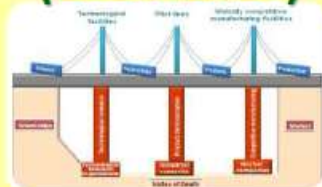


## **Oportunidades específicas Bioeconomía**



# BIOECONOMY in the H2020

## H2020 – Framework Programme for Research & Innovation (2014-2020)



### Excellent Science

### Industrial Leadership

### Societal Challenges

European Research Council (ERC)

Future and Emerging Technologies (FET)

Marie Skłodowska-Curie actions on skills, training and career development

European research infrastructures

- ICT
- Nanotechnology
- Biotechnology**
- Advanced Materials
- Advanced Manufacturing & Processing
- Space
- Access to Risk Finance
- Innovation in SMEs

- Health, demographic change and wellbeing
- Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy;**
- Secure, clean and efficient energy;
- Smart, green and integrated transport;
- Climate action, environment, resource efficiency and raw materials
- Europe in a changing world-Inclusive, innovative and reflexive societies
- Secure Societies: Protecting freedom and security of Europe and its citizens



# BIOECONOMY in the H2020

## SC2 – WP 16-17 – Sustainable Food Security



### Resilient, resource-efficient value chains

- Abiotic stresses
- Biotic stresses
- Plant & animal breeding and conservation
- Pests & diseases
- Specific actions for organic farming
- Sustainable fisheries and aquaculture
- ERA-NETs + SME

25 topics 206 M€

### EnvironmentClimate -smart primary production

- GHG emissions, environmental contamination of agriculture
- Specific production systems (legumes, permanent grassland, ...)
- Socio-economics of agriculture & farming for tomorrow
- ERA-NETs

7 topics 64 M€

### Competitive food industry

- Food value chains & dynamics
- Competitiveness of agri-food chains
- Sustainable food packaging
- ERA-NET + SME

3 topics 24 M€

### Healthy food and diets for all

- One Health co-fund (zoonoses)
- Impact of consumer practices in food safety
- Impulsivity & compulsivity, links with nutrition & lifestyle;
- Tackling childhood obesity
- sweeteners

5 topics 85,5M€





## Call H2020-NMBP 2016-2017 - Biotechnology

### Introduction & Challenges

Spectacular progress as enabling technology in various sectors; health, pharmaceutical, chemical & plant breeding.

### **Biotechnology-based industrial processes driving competitiveness & sustainability.**

- Bridge the gap for lab to market. New approaches to valorising new feedstock resources and increasing overall bioprocess efficiencies.
- Speed up innovation, develop new bioprocess concepts, improved data integration and valorization of new production techniques.

### **Cutting-edge biotechnologies as future innovation drivers & Innovative and competitive platform technologies**

- Contribute further to sectors such as health, chemicals and agriculture by developing new technological platforms.







## JTI on Biobased Industries. What is BBI about?

### What is the Bio-based Industries Initiative?

<https://www.youtube.com/watch?v=YioO3XQbTMO>

- A Public-Private Partnership between the **Bio-based Industries Consortium** and the **EU**
- A **joint** commitment of 3.7 billion € over 2014-2020
  - 0.975 billion € - EU
  - 2.7 billion € - Bio-based Industries Consortium:  
In kind & in cash (0.975 bn €) + Additional activities (1.755 bn €)
- Annual Work Programmes



+



Biobased Industries Consortium



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# BIOECONOMY in the H2020

## JTI on Biobased Industries. Focus



### Focus

#### *Feedstock*

- Fostering a sustainable biomass supply and building new value chains

#### *Biorefineries*

- Optimising efficient processing through R&D and upscaling in large-scale demo/flagship biorefineries

#### *Markets, products and policies*

- Developing markets for bio-based products and optimising policy frameworks



## ¿Dónde buscar topics?

[http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/search/search\\_topics.html](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/search/search_topics.html)

## ¿Dónde encontrar información sobre los programas de trabajo?

**Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy**

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-food\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf)

**Nano Technologies, Advanced Materials, Biotechnology and Advanced Manufacturing and Processing**

[http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016\\_2017/main/h2020-wp1617-leit-nmp\\_en.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-leit-nmp_en.pdf)

**Bio-based industries**

<http://www.bbi-europe.eu/>



**Muchas gracias por su atención**

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