

Jornada Connect-EU

*Impulsa el teu projecte
d'R+D a Europa*

Programa Horitzó2020

Organitzat per:

ACCIÓ, Agència per a la competitivitat de l'empresa, adscrita al Departament d'Empresa i Ocupació de la Generalitat de Catalunya.

AGAUR, Agència de Gestió d'Ajuts Universitats i de Recerca, adscrita al Departament d'Economia i Coneixement de la Generalitat de Catalunya.



**Generalitat
de Catalunya**



Apropem Europa a la teva empresa





HORIZON 2020

First calls for proposals – 11 December 2013



Josefina Enfedaque
European Commission
ERA Communications Coordinator

The Multiannual Financial Framework 2014-2020:

European Council conclusions, 8 February 2013

Key challenge: stabilise the financial and economic system while taking measures to create economic opportunities

1. Smart & inclusive growth (€451 billion)



2. Sustainable growth, natural resources (€373 billion)

3. Security and citizenship (€16 billion)

4. Global Europe (€58 billion)

5. Administration (€61.6 billion)



(figures are given in constant prices)

What is Horizon 2020?

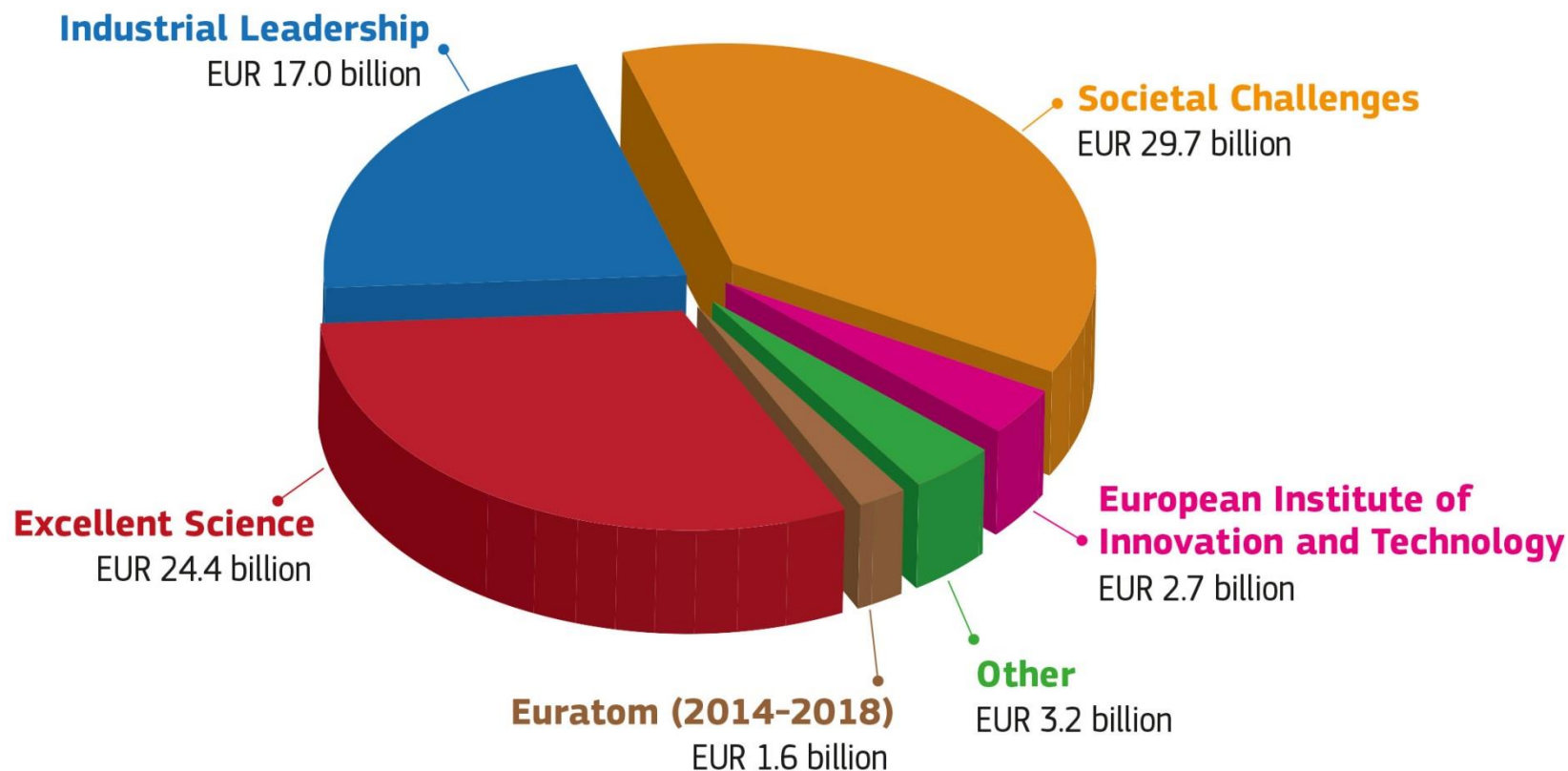
The new European Union programme for research and innovation for 2014-2020

- **An integrated programme coupling research to innovation**
- **Challenge based**
- **Strong focus on SMEs**
- **Major simplification**



€ 79 billion from 2014 to 2020

HORIZON 2020 BUDGET (in current prices)



New approach to work programmes and calls

- **More strategic**
- **Two year work programmes**
(2014-2015: > € 15 billion)
- **Less prescriptive calls**
(64 calls in 2014)
 - ✓ **Broader and fewer topics**
 - ✓ **First call deadlines as from March 2014**



Work Programme 2014

Funding for calls

Excellent Science Pillar: ~ € 3 billion

- **European Research Council** (4 calls) € 1 662 million
- **Marie Skłodowska-Curie actions** (6 calls) € 800 million
- **Future and Emerging Technologies (FET)** (4 calls) € 200 million
- **European Research Infrastructures (including e-Infrastructures)** (4 calls) € 277 million

Work Programme 2014

Funding for calls

Industrial Leadership Pillar: ~ € 1.8 billion

Leadership in Enabling and Industrial Technologies (LEITs)

- **Information and Communication Technologies (ICT)**
(2 calls) **€ 700 million**
- **Nanotechnologies, Advanced Materials, Biotechnology and Production** (5 calls) **€ 500 million**
- **Space** (5 calls) **€ 128 million**
- **Access to Risk Finance (financial instruments)** (2 calls) **€ 5 million**
(€ 295 million NOT in calls)
- **Innovation in small and medium-sized enterprises** (1 call)
€ 10 million
- **SME Instrument** **€ 251 million**

Work Programme 2014

Funding for calls

Societal Challenges Pillar: ~ € 2.8 billion

- **Health, demographic change and wellbeing** (2 calls) € 600 million
- **Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research and the Bioeconomy** (3 calls) € 300 million
- **Secure, clean and efficient energy** (4 calls) € 600 million
- **Smart, green and integrated transport** (3 calls) € 540 million
- **Climate action, environment, resource efficiency and raw materials** (3 calls) € 300 million
- **Europe in a changing world – inclusive, innovative and reflective societies** (5 calls) € 112 million
- **Secure Societies** (4 calls) € 200 million

In addition

- **Spreading Excellence and Widening Participation** (3 calls) € 50 million
- **Science with and for Society** (4 calls) € 45 million

First Horizon 2020 calls 12 focus areas

Some examples:

- ✓ **Personalising health and care**
(€ 549 million)
- ✓ **Blue growth: unlocking the potential of seas and oceans**
(€ 100 million)
- ✓ **Overcoming the crisis: new ideas and strategies to overcome the crisis in Europe**
(€ 35 million)



Strong focus on SMEs

- **20% of budget**
 - ✓ from societal challenges and LEITs
- **New SME instrument**
 - ✓ > € 500 million in 2014-2015
- **Support measures under 'Innovation in SMEs'**
- **Access to risk finance**
- **Participation with Member States (Public-Public)**
Eurostars joint programme



Cross-cutting issues across the Work Programmes

Social Sciences and Humanities (over € 400 million)

- ✓ **>200 topics** (at least 35% of the total topics in the Work Programme)
- ✓ **Budget over € 400 million**
- ✓ **Topics 'flagged' by the system designed for searching the Work Programme**

In addition

- ✓ **ERC** (around 17% of budget for SSH)
- ✓ **Marie Skłodowska-Curie actions**

Cross-cutting issues across the Work Programmes

Gender

- ✓ Explicitly integrated in all the sections of the Work Programme
- ✓ Specific call under Science with and for Society (€ 9.5 million)
- ✓ Topics are flagged to ease access for applicants

Climate Change

- ✓ ~35% of the budget for activities addressing climate change
- ✓ Climate topics are of particular importance in some of the focus areas of the Work Programme

International cooperation

Principle of general openness

the programme will remain the most open funding programme in the world

Open to the association of enlargement countries / EFTA / European Neighbourhood (and others associated to FP7)

Targeted actions to be implemented taking
a strategic approach to international cooperation



Partnerships with industry and Member States

- **Additional contractual Public-Private Partnerships**

In addition:

- **€22 billion Innovation Investment Package** proposed by Commission (July 2013)
- **Joint programmes** (with Member States, under Article 185)
- **Joint Technology Initiatives** (with industry under Article 187)



Major Simplification for the benefit of applicants

1. A single set of rules for all funding under Horizon 2020

- ✓ Fewer, more flexible, funding instruments

2. Simpler reimbursement: 1 project = 1 funding rate

- ✓ 100% of the total eligible costs (70% for innovation actions)
- ✓ Non-profit legal entities can also receive 100% in innovation actions
- ✓ Single flat rate for indirect costs (25% of eligible costs)

3. Faster time to grant

- ✓ Within 8 months of call deadline



Major Simplification for the benefit of applicants

- 4. Fewer, better targeted controls and audits**
- 5. Coherent implementation**
 - ✓ Through dedicated agencies
 - ✓ Single IT system
- 6. Simplification in grant agreements**



Evaluation criteria



- ✓ **ERC** frontier Research actions >> only EXCELLENCE
- ✓ **Innovation actions** >> higher weighting for "IMPACT"

Proposal evaluated by the experts "as it is"
and not as "what could be" = no need for negotiation

Simpler access through the Participant Portal

- **Single entry point**
from calls to electronic submission of proposals
- **New tools for smart searches for the benefit of users,**
including newcomers to the programme.

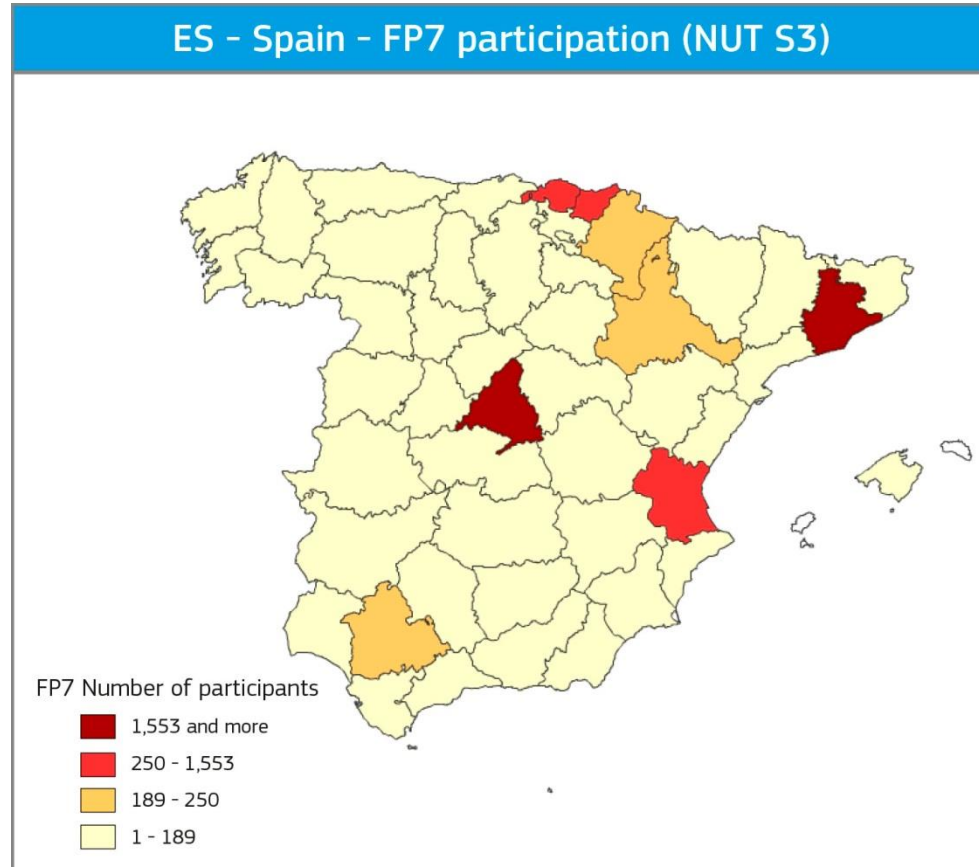


Country profile - Spain



National R&D 2020 Intensity Target	3% of GDP
Total number of participants, total EU financial contribution	9.836 participants receiving € 2.848,59 m in FP7
Number of applicants	53.566 (10,63% of EU-28)
Success rate (EU-28 = 20,9%)	19.3%
Total Population & EU 27 Population Share	47.042.984 (9.2% of EU-28)
Top collaborative links	1. DE - Spain (15.239) 2. UK - Spain (12.335) 3. IT - Spain (11.902) 4. FR - Spain (10.956) 5. NL - Spain (5.981)

Participation per regions



Spain – Success Story

Cheese by-product to make packaging greener

Plastic films are used for packaging a wide range of products, offering protection against humidity and potential contaminants.

Over time, however, these films let in air, diminishing the properties of the packed products. While multilayer films combining several plastics are often used to improve protection, most of this packaging cannot be recycled.

The researchers behind the EU-funded WHEYLAYER project found a cheese-based biodegradable alternative to conventional multilayer films.

Project: WHEYLAYER

Coordinator: PIMEC (PME) de Catalunya, Barcelona

Spanish Participants: Manufacturas Serviplast SA (Hospitalet Llobregat); Innovacio i Recerca Industrial i Sostenible SL, (Barcelona); Lleters de Catalunya Llet Nostra SC (Macanet de la Selva)

Other participants from: HU, SI, IT, DE, IE

EU funding: € 2.5 Million out of € 3.3 Million of total costs



For further information

- **Participant Portal**

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

- **Helpdesk**

<http://ec.europa.eu/research/enquiries>

- **Expert evaluators needed!**

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

- **Learn more about Horizon 2020**

<http://ec.europa.eu/horizon2020>

Thank you for your attention!