

OPPORTUNITIES UNDER SC2 & BBI JU. MOVING TOWARDS 2020 AND BEYOND



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Barcelona, 1st December 2016

H2020 – Timeline



SC2 + BBI 2014 - 2015. Very good Performance

Proyectos	Financiadas total, nº	104 (100%)
	Financiadas ES, nº (% del total)	82 (78,8%)
	Coordinadas ES, nº (% del total)	11 (10,6%)

Retorno económico	M€ de EUROS	46,1
	% UE-28 (% del total)	10,1% (9,3%)

Tasas de éxito	España	19,8
	Total	18,1

Posición de España por retorno (BBI + SC2)	4ª
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SC2 2014 - 2015. Impressive Performance!

**Agriculture
& Forestry**

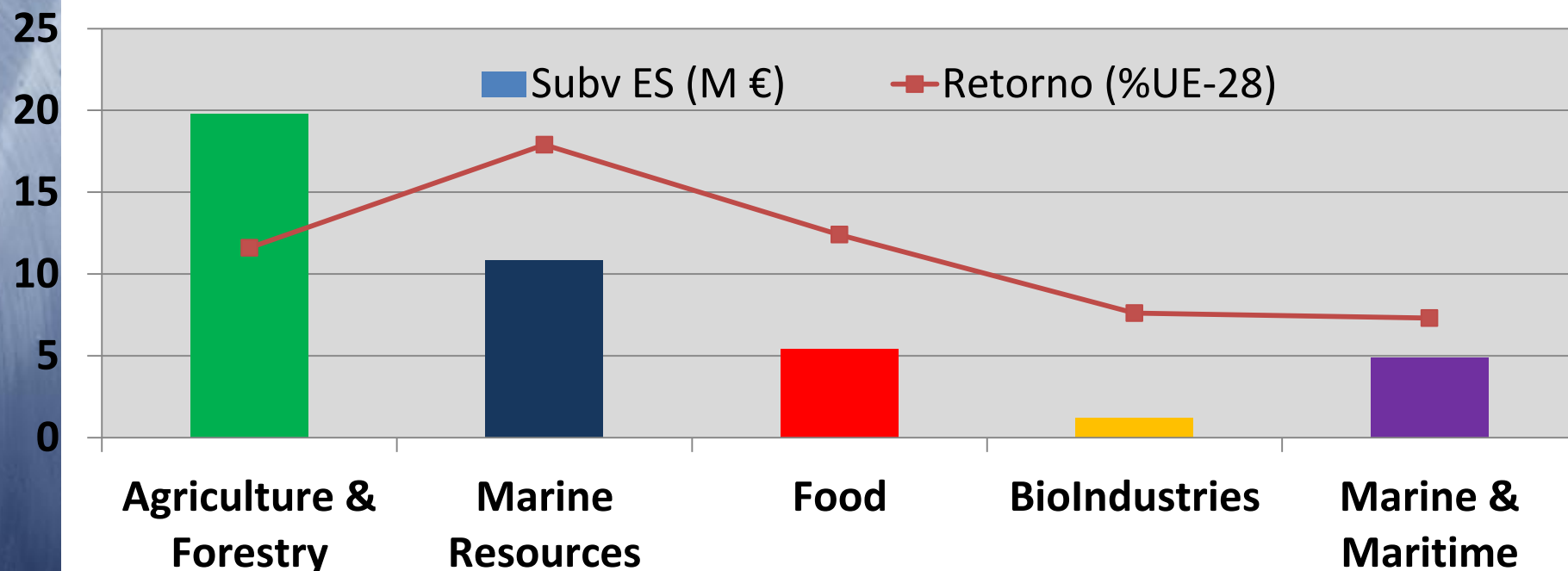
**Marine
Resources**

Food

BioIndustries

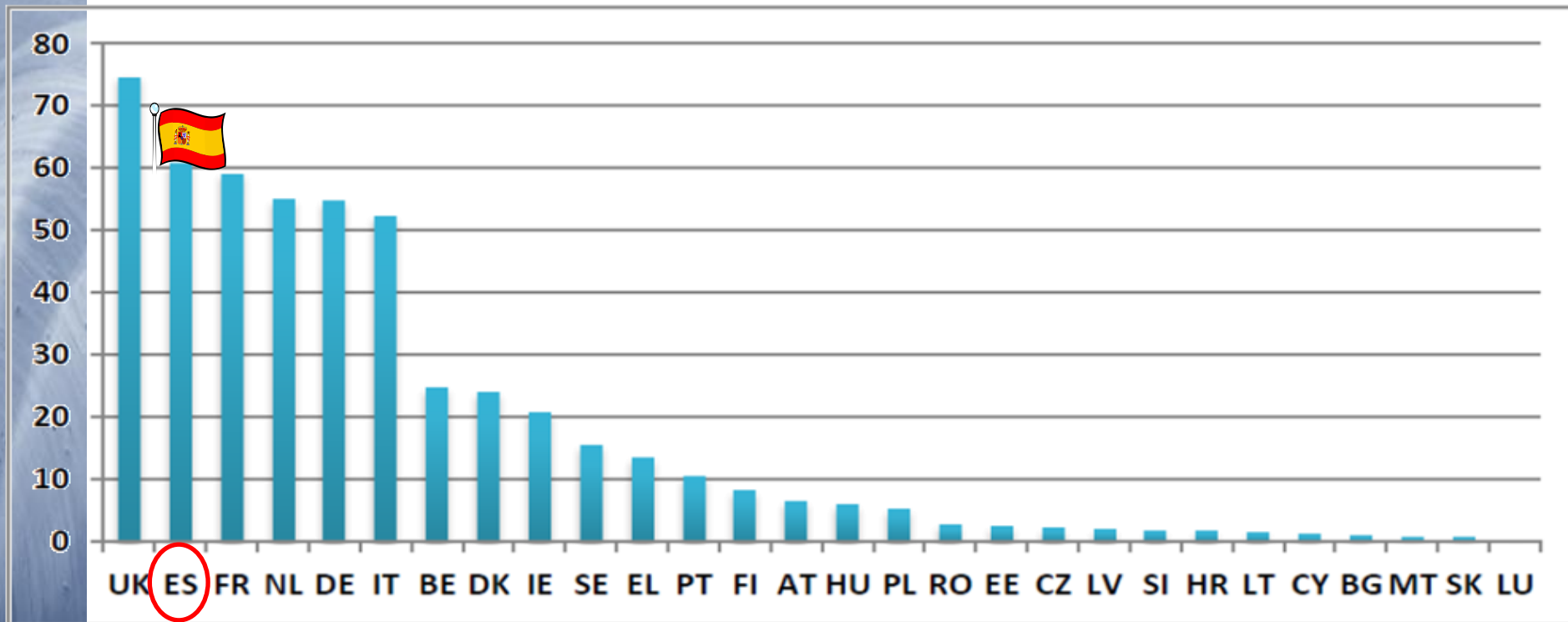
**Marine &
Maritime**

Subv. ES (M €)	19,8	10,8	5,4	1,2	4,9
Retorno (%UE28)	11,60%	17,90%	12,40%	7,60%	7,30%



SC2 2014 - 2015. Impressive Performance!

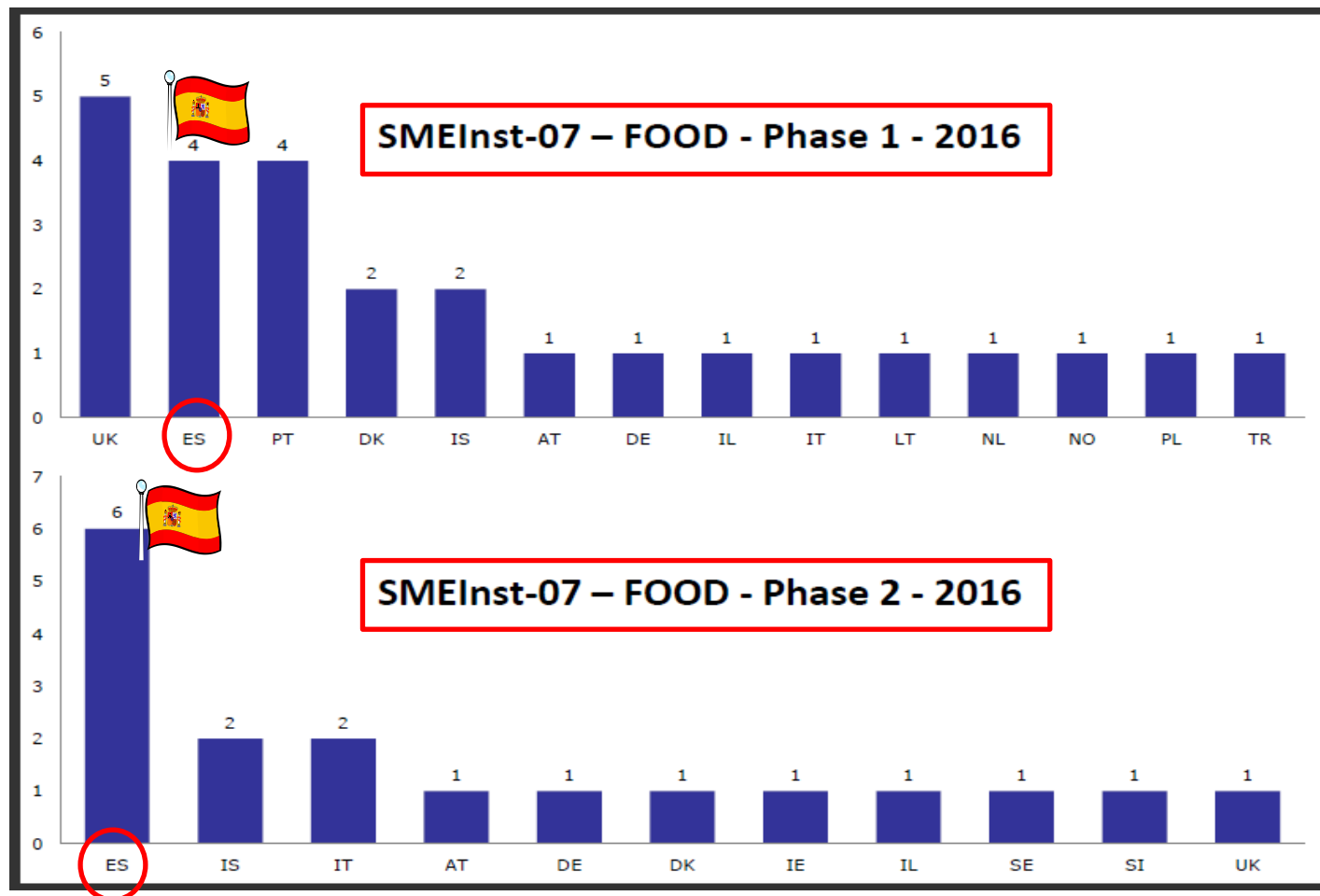
Allocation of funding by country, 2014-2015 SC2 projects (M €)



Source: DG RTD/F1. Data: CORDA

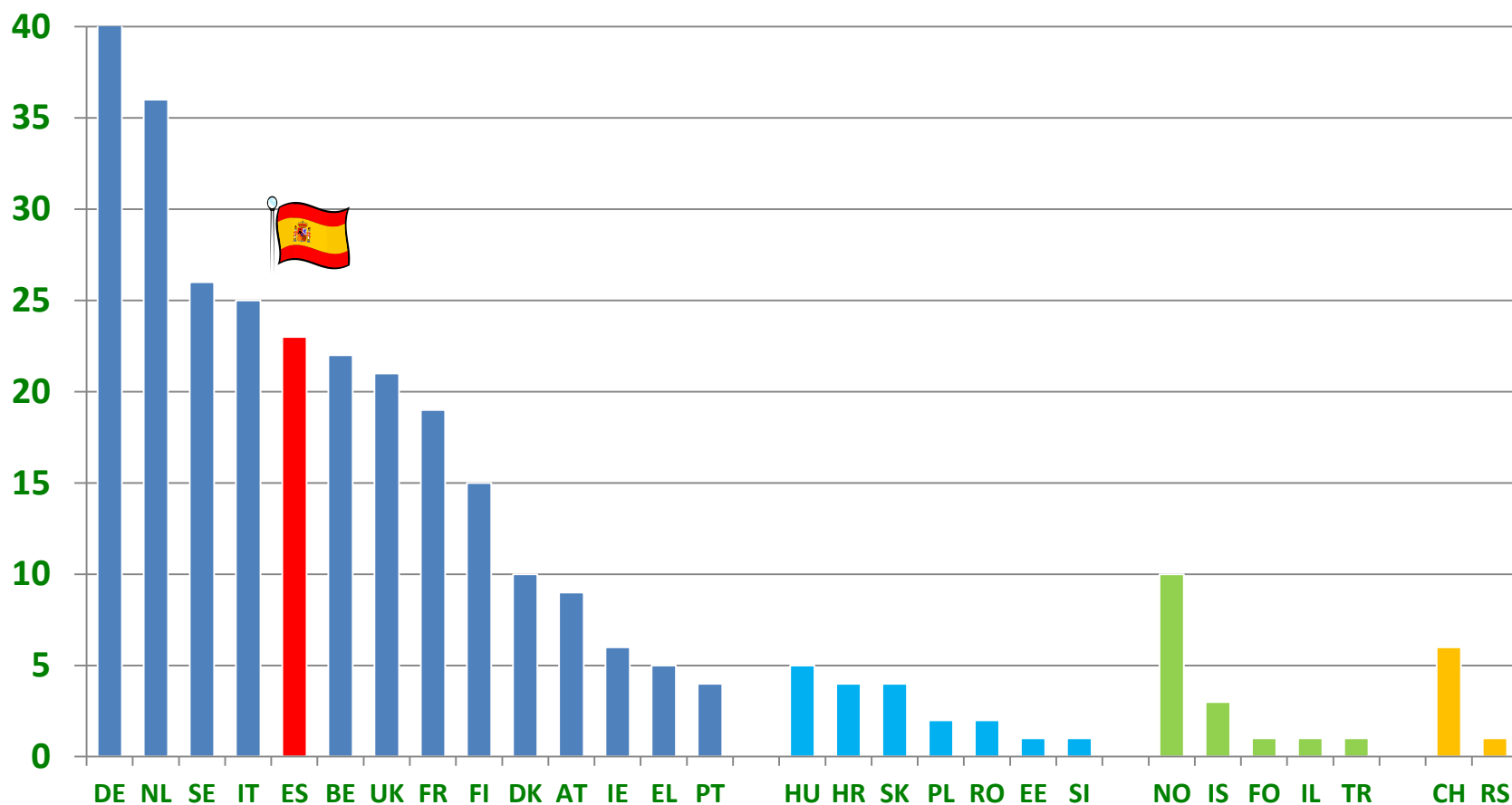
SC2 2014 - 2015. Impressive Performance!

Allocation of funding by country, SC2 SME-Instrument

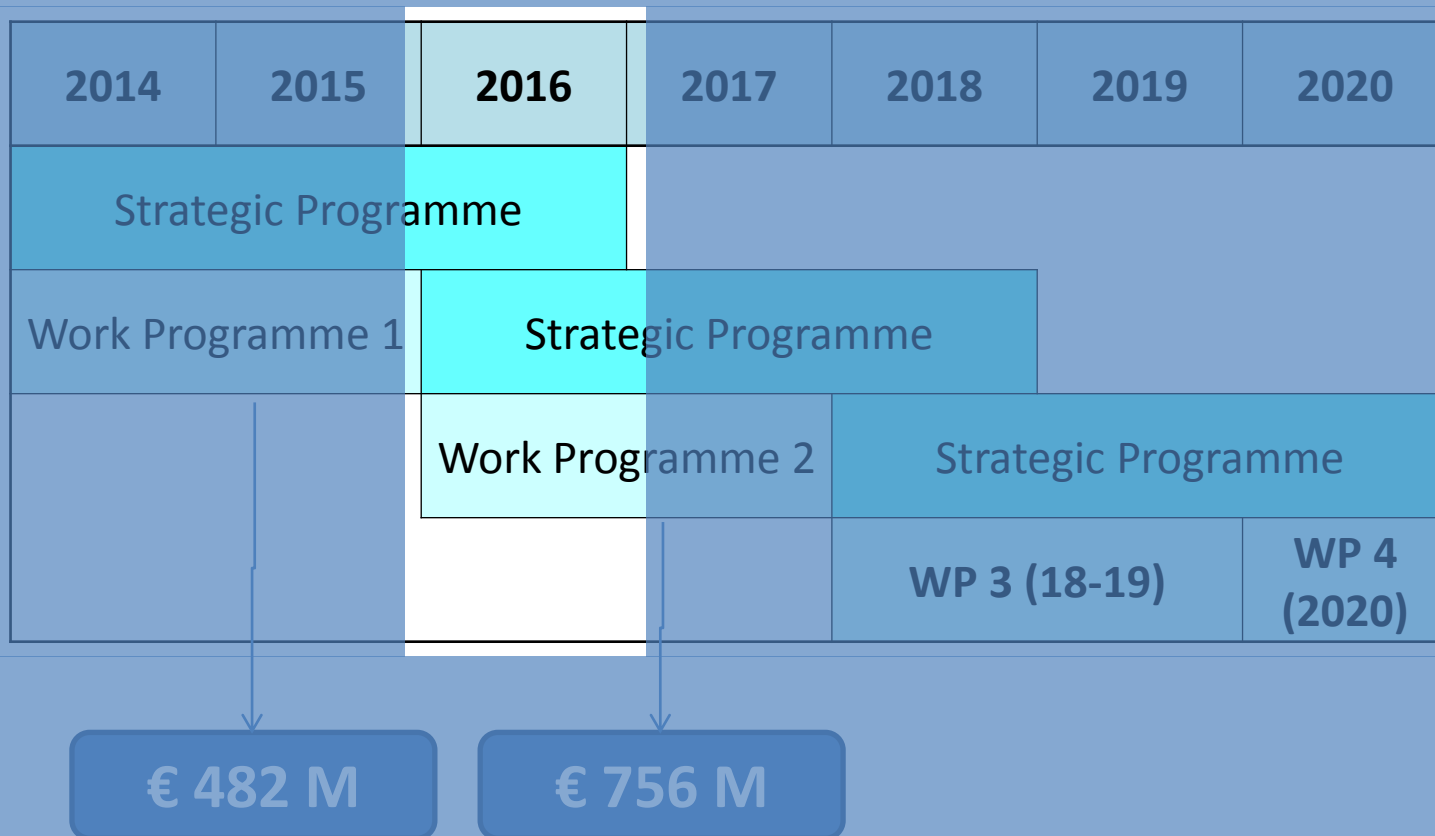


BBI 2014-2015. Room for improvement!

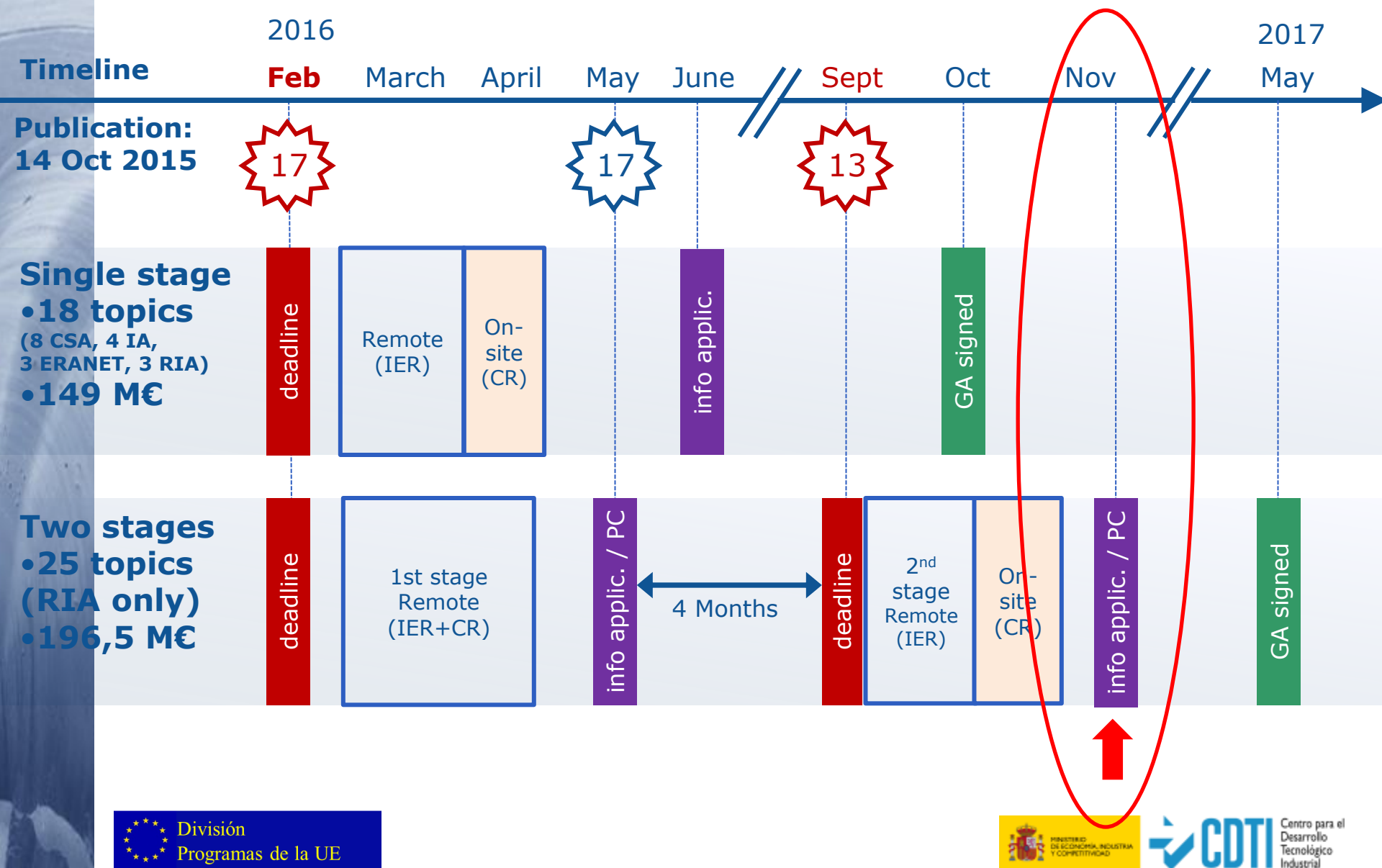
Distribution of participants (nº) per country, 2015 BBI calls



H2020 – Timeline

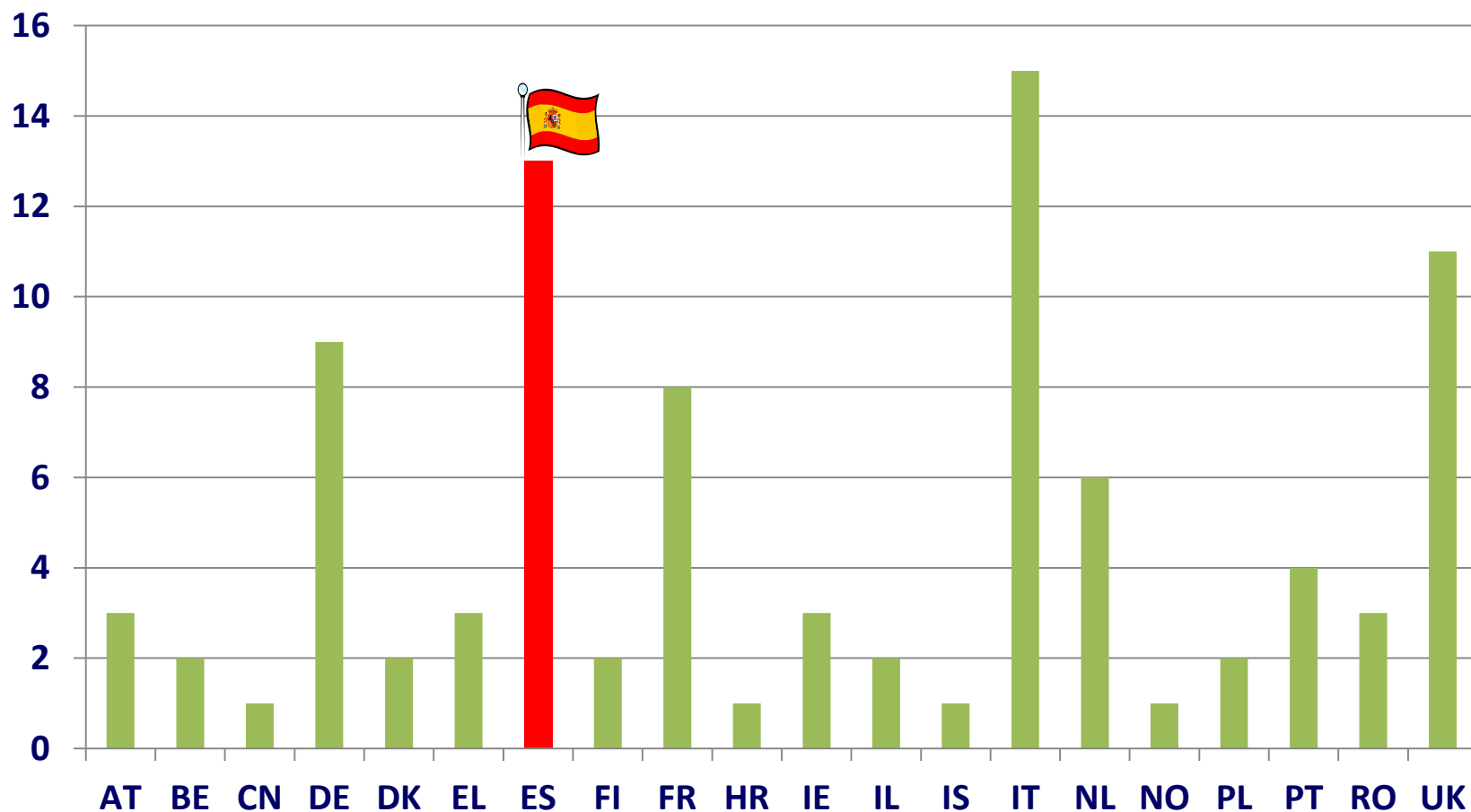


SC2 2016 Call. Eager to know the results.



BBI 2016. Looking forward to call results!

Number of Proposals' Coordinators by country, 2016 BBI calls



H2020 – Timeline



Societal Challenge 2. Update 2017 Call

**Sustainable
food
security**

**Blue
Growth**

**Rural
Renaissance**

**Bio-based
innovation
for
sustainable
goods and
services**



Societal Challenge 2. Update 2017 Call

Summary of the modifications



- **Text Changes**
 - Sustainable Development Goals and Climate Targets
 - Improving the quality
 - Reduction of the 2017 ERANETs topics (SFS-19)
- **New topics**
 - SFS-49 (Policies), SFS-50 (soil), SFS-18 (Food 2030)
 - BG-14 (fish stocks)
 - BB-7 (Plant Molecular Farming), BB-8 (B. knowledge)
- **Budget** - Extra budget available

Societal Challenge 2. Update 2017 Call



Sustainable food security



SFS – 18:

Support to the development and implementation of the **Food 2030: Food Research and Innovation.**



SFS – 49:

Better understanding the challenges facing agriculture and the impacts of **policies.**



SFS – 50:

Supporting **international cooperation** activities on agriculture soil contribution to **climate change** mitigation and adaptation.



Societal Challenge 2. Update 2017 Call



Blue Growth



BG – 14:

Monitoring and assessing fish stocks, other pelagic species and habitats with an automated, non-invasive, **opto-acoustic system**



Societal Challenge 2. Update 2017 Call



BB – 07: Plant Molecular Factory

Bio-based
innovation
for
sustainable
goods and
services



BB – 08: Strategies for improving the bioeconomy **knowledge** of the general public



Societal Challenge 2. Update 2017 Call. Timeline

Publication	Submission procedure	Topics	Stage	Deadline	Info to applicants	Grant Agreements
04 Oct. 2016	single stage	22 topics (10 CSA, 10 IA, 2 ERANET) 168 M€	Single stage	14 Feb. 2017	June 2017	Oct. 2017
	2-stages	29 topics (RIA Only) 247 M€	1 st stage	14 Feb. 2017	May 2017	-
			2 nd stage	13 Sept. 2017	Nov. 2017	May 2018

Building a successful proposal

Some Tips:

- ☐ Topic text / Evaluation Criteria / Template
- ☐ Open Innovation / Open Science / Open to the world
- ☐ Key concepts: RRI, TRL, gender, transdisciplinarity,...
- ☐ EIP Agri & multiactor approach
- ☐ Attractive proposal (coherence, graphics, tables,...)
- ☐ Further support: H2020 online manual, IPR, NCPs

Building a successful proposal



Estamos a vuestra
disposición para
ayudaros

CDTI.- 13 de enero de 2017
Taller con Coordinadores

H2020 – Timeline

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1		Strategic Programme				
		Work Programme 2		Strategic Programme		
				WP 3 (18-19)		WP 4 (2020)

€ 482 M

€ 756 M

**SC2 WP 2018-2020. Preparation:
From December 2016 to June 2017**

Moving towards SC2 2018-2019 + 2020 WPs

Strategic Programme:

- ☐ Climate change and resilience on land and sea
- ☐ Towards a Circular Bioeconomy.
- ☐ Ecosystems, Sustainable food systems, healthy lifestyles
- ☐ Innovations on land and sea (new products, VC, markets)
- ☐ Rural and coastal areas

Moving towards SC2 2018-2019 + 2020 WPs

Societal Challenge 2 (Calls 2018 - 2019 and 2020)???

**Sustainable
food
security**

**Blue
Growth**

**Rural
Renaissance**

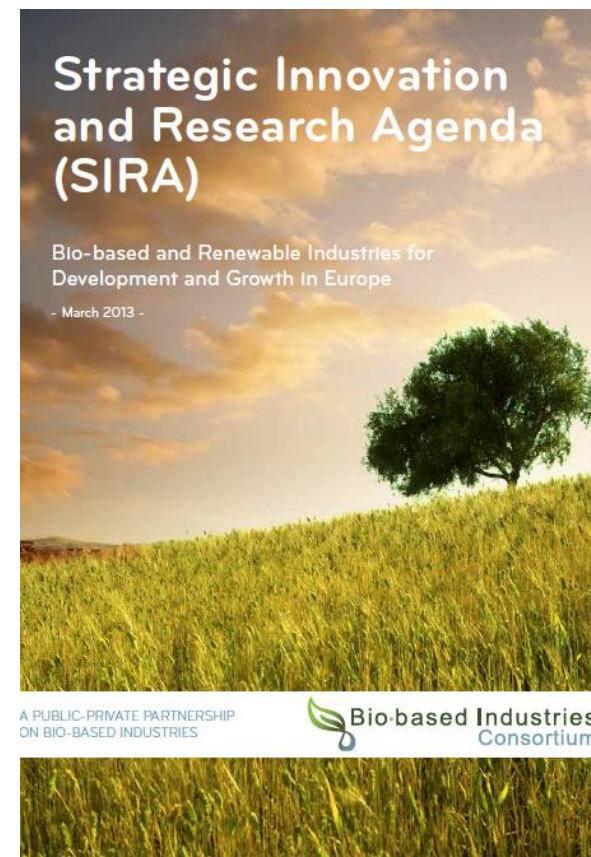
**Bio-based
innovation
for
sustainable
goods and
services**



WP definition: From Dec. 2016 to June 2017

Strategic Innovation & Research Agenda (March 2013)

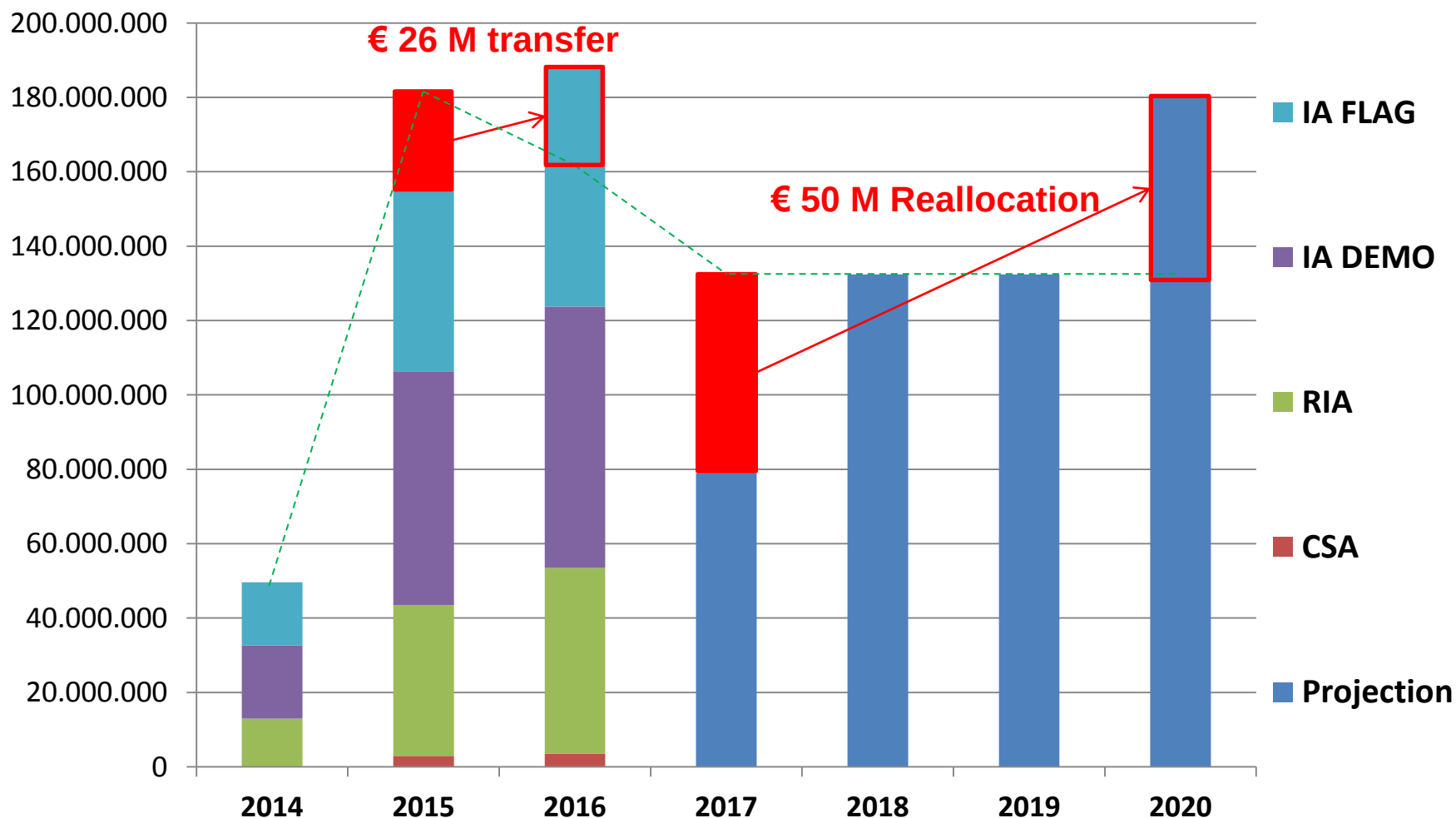
- **VC 1:** From **lignocellulosic** feedstock
- **VC 2:** **Forest-based** value chains
- **VC 3:** **Agro-based** value chains
- **VC 4:** Value chains from **(organic) waste**
- **VC 5:** Integrated energy, pulp and chemicals biorefineries



SIRA to be updated by end 2016

JTI BBI. Overall operational budget planning (€ 130 M/year)

- Annual Work Programmes and call for proposals.



JTI BBI. Overall operational budget planning (€ 130 M/year)

BBI 2017 AWP

- ☐ Draft version: Dec 2016.
- ☐ Infoday (BXL): April 2017?
- ☐ Deadline: September 2017?
- ☐ Budget: € 82 M?
 - **RIAs**: 7 topics?
 - **IA - Demo**: 4 topics?
 - **IA - Flagships**: 2 topics?
 - **CSAs**: 2 topics?





Bioeconomy under Framework Programmes for R&I



SIXTH FRAMEWORK
PROGRAMME

2002 - 2006;

€ 0,7 bn



SEVENTH FRAMEWORK
PROGRAMME

2007 - 2013;

€ 1,9 bn



2014 - 2020;

€ 3,8 bn

Bioeconomy under Framework Programmes for R&I



SIXTH FRAMEWORK
PROGRAMME

2002 - 2006;

€ 0,7 bn



FP6 - Food Quality and Safety

- New and safer food production chains and foods.



SEVENTH FRAMEWORK
PROGRAMME

2007 - 2013;

€ 1,9 bn



2014 - 2020;

€ 3,8 bn

Bioeconomy under Framework Programmes for R&I



SIXTH FRAMEWORK
PROGRAMME

2002 - 2006;

€ 0,7 bn



SEVENTH FRAMEWORK
PROGRAMME

2007 - 2013;

€ 1,9 bn



FP7 - Food, Agriculture and Fisheries, and Biotechnology

- Knowledge Based **Bio-Economy** (KBBE)



2014 - 2020;

€ 3,8 bn

Bioeconomy under Framework Programmes for R&I



SIXTH FRAMEWORK
PROGRAMME

2002 - 2006;

€ 0,7 bn



SEVENTH FRAMEWORK
PROGRAMME

2007 - 2013;

€ 1,9 bn



2014 - 2020;

€ 3,8 bn



H2020 - Food security, sustainable Agriculture & Forestry,
Marine, Maritime & Inland Water research, & **Bioeconomy**

- Food and **other bio-based products**
- Primary production systems



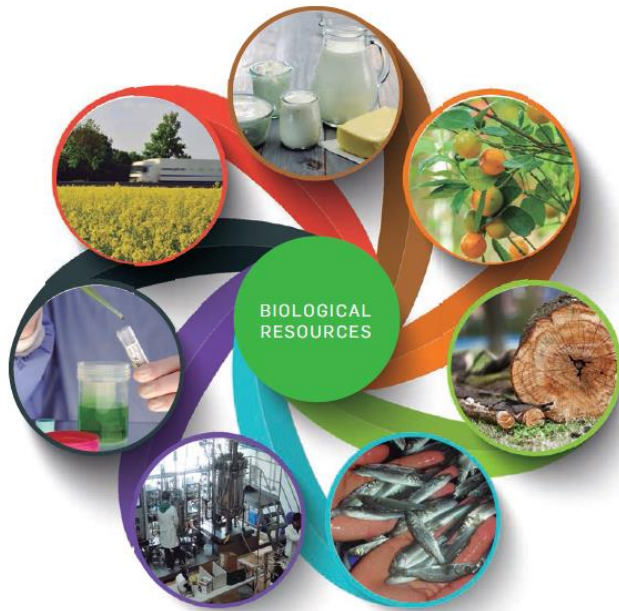


***Dedicated
Bioeconomy
Strategy***

Source: German Bioeconomy Council

***No Bioeconomy
Strategy in place***

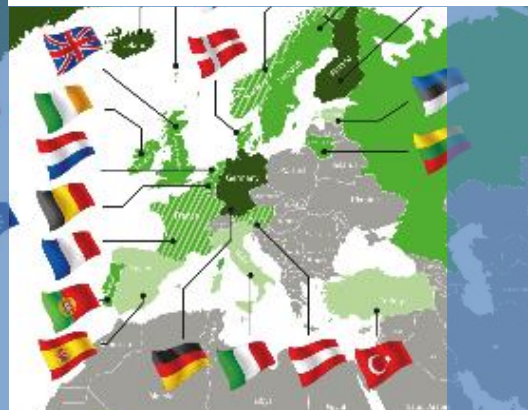
EU Strategy to be revised in 2017



The Spanish
Bioeconomy Strategy
2030 Horizon

On-going since January 2016

*Dedicated
Bioeconomy
Strategy*



Source: German Bioeconomy Council

*No Bioeconomy
Strategy in place*



Towards FP9!

Built upon 3 pillars:

- Mid-term review of H2020
- Grand Societal Challenges
- Contribution of RDI to growth/competitiveness

Budget: € 100 bn (EP)??

Bioeconomy strongly supported + BBI 2.0?

Take home lessons

- SC2 2014-2015 WP. Impressive participation.
- BBI. Room for improvement but optimistic.
- SC2 WP 2017. Workshop at CDTI – 13.01.2017
- SC2 2018-2020 WP: Follow up. Defined Q1-Q2/2017
- BBI 2017 Calls: From Dec. 2016 to Sept 2017
- FP9. Bioeconomy strongly supported + BBI 2.0??

Thanks for your attention! *Any questions?*

LA PREPARACIÓN DE PROPUESTAS HORIZONTE 2020

Córdoba, 29 de Noviembre de 2016

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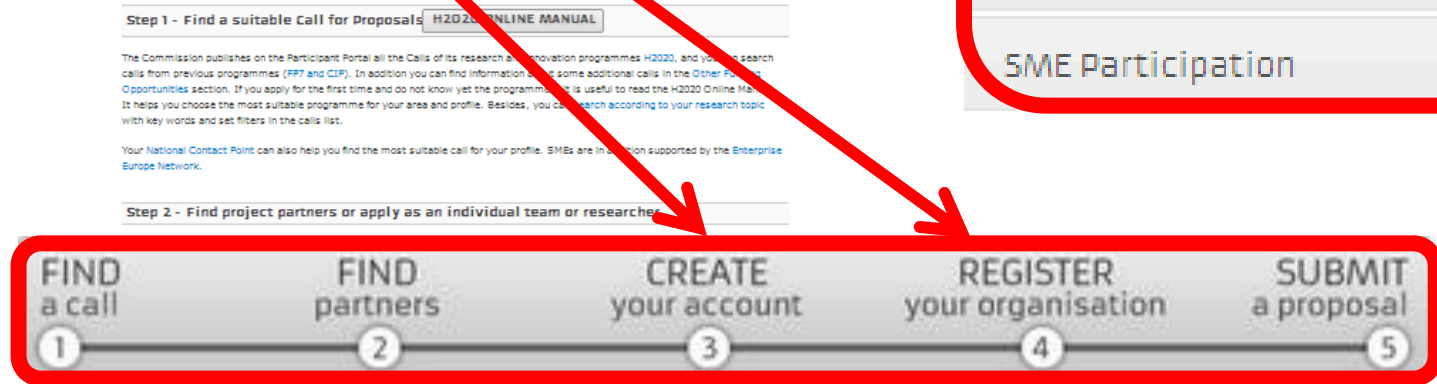
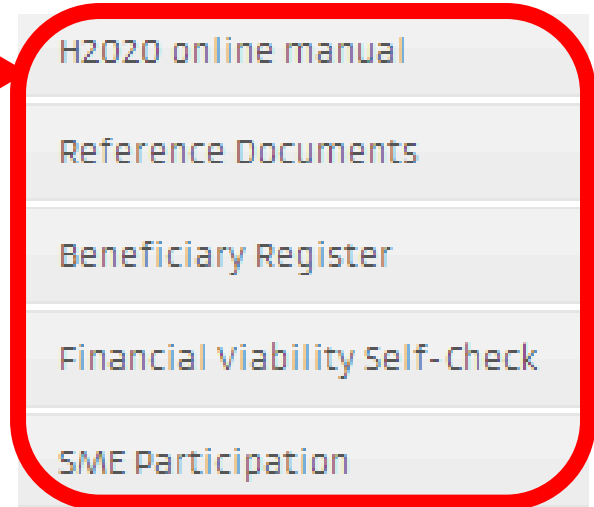
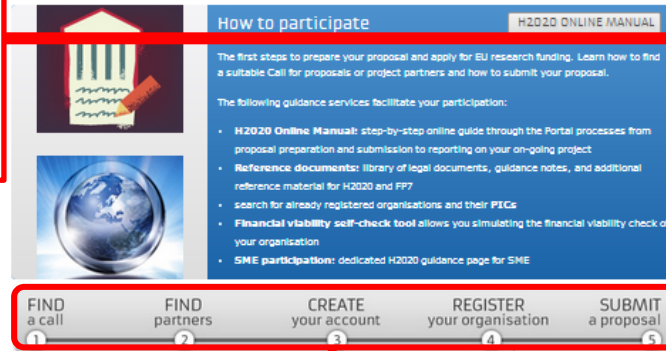
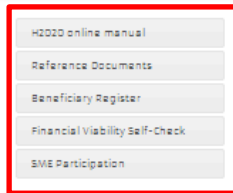
European Programmes Division

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Índice de contenidos

- El portal del participante y el topic.
- El evaluador y los criterios de evaluación.
- La elaboración de la propuesta. La guía del participante.
- El evaluador. Lo que va buscando!!

Portal del participante



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

To fill in the required forms and submit them electronically to the Commission, you first need to create an account on the Participant Portal clicking on **REGISTER** on the top menu.

Step 3 - Register your organisation

The Commission has developed a series of guides to help you understand the registration process. You can find them in the 'How to participate' section. If you are already registered, you can find the 'My organisation' page in the 'My account' section.

If you are not already registered, you need to register your organisation. To do this, you need to go to the 'My organisation' page in the 'My account' section. If you are already registered, you can find the 'My organisation' page in the 'My account' section. If you are not already registered, you need to register your organisation. To do this, you need to go to the 'My organisation' page in the 'My account' section.

Step 5 - Submit your project proposal to the Commission

To submit your project proposal, you need to go to the section Electronic Proposal Submission on a specific Topic page that belongs to a call. You need to be logged in with your Participant Portal account to start filling in standard forms and submit your proposal to the Commission.

El Programa de Trabajo (WP 2016-2017)



La idea debe ajustarse al topic del WP

El proyecto ha de cubrir todo lo descrito en el topic (retos, alcance, impacto, utilizando el instrumento indicado)

Tener en todas las indicaciones (TRL, SMEs, SSH, terceros países, INCO, presupuesto)

Cumplir los impactos esperados: para la sociedad, para la industria, para los políticos, ...)

Redacción homogénea siguiendo el orden indicado en la guía del solicitante

Considerar en todo momento los criterios de evaluación

Título

SFS-14-2016: Understanding host-pathogen-environment interactions

Reto específico

Specific Challenge: Disease emergence and spread are the result of a number of factors linked to the infectious agent, the host, possible vectors and the environment. The virulence of the pathogen and immunological status and genetics of the host(s) are critical in determining whether the infection develops, remains, spreads or disappears and whether the animal circumvents the disease, becomes sick or a carrier, or recovers. Establishing the biological interplay between pathogen, vectors and host(s), possibly involving other microbiota and reservoir species, is key to understanding the dynamics of infections/diseases and developing control and prevention strategies. There is a growing body of evidence on the capacity of infectious agents to evolve and circumvent the host immunological reaction or treatments and profit from environmental niches; this represents a real challenge. Although modern tools facilitate the tracking of pathogens, a lot still needs to be done to extend our knowledge of the host reaction and how we can use this to develop control and prevention strategies, in particular vaccines or diagnostics, and take the related opportunity to increase the biosecurity status of livestock, which is important both for sustainable production and safe trade.

Alcance

Scope: The research will improve knowledge of the pathogen-host-environment/possible vectors triangle and their interaction in the spread of major diseases affecting terrestrial livestock. It will contribute to understanding of the dynamics of the disease and the development of more effective control strategies, vaccines or other compounds increasing the host's natural defence/immunity and diagnostics. Projects should address either an epizootic disease such as potentially pandemic animal influenza (scope A) or endemic/production diseases (scope B).

The Commission considers that proposals requesting a contribution from the EU of up to EUR 5.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude the submission and selection of proposals requesting other amounts. Funding will allow for support for at least one project under scope A and one under scope B.

Impacto esperado

Expected Impact: Projects outputs should contribute to the understanding of the dynamics of the diseases in question, as regards the pathogen, the host and (where appropriate) the environment. Project outputs should strengthen the evidence base for prevention and control strategies, including diagnostic, therapeutic and other policy strategies. More generally and in the longer term, the outputs will support the improvement of animal health, contributing to the sustainability and competitiveness of the agri-food sectors.

Instrumento

Type of Action: Research and Innovation action

The conditions related to this topic are provided at the end of this call and in the General Annexes.

El evaluador!!

La CE necesita
evaluadores de proyectos,
regístrate en:

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





Criterios de Evaluación

Excellence

- **Clarity and pertinence of the objectives;**
- **Soundness of the concept and credibility of the proposed methodology;**
- **Extent that the proposed work is beyond the state of the art, and demonstrates innovation potential (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organisational models)**
- **Appropriate consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge.**

Impact

- **Extent to which the outputs of the project would contribute to each of the expected impacts mentioned in the work programme under the relevant topic;**
- Any substantial impacts not mentioned in the work programme, that would enhance innovation capacity, create new market opportunities, strengthen competitiveness and growth of companies, address issues related to climate change or the environment, or bring other important benefits for society;
- Quality of the proposed measures to:
 - Exploit and disseminate the project results (including management of IPR), and to manage research data where relevant.
 - Communicate the project activities to different target audiences.

Implementation

- Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables;
- Appropriateness of the management structures and procedures, including risk and innovation management;
- Complementarity of the participants and extent to which the consortium as whole brings together the necessary expertise;
- Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role.

Elements in bold: considered at 1st stage (RIA)

Elaboración y presentación de la propuesta



H2020 Programme

Proposal template 2016-2017

Administrative forms (Part A)
Project proposal (Part B)

Research and Innovation Actions (RIA)
Innovation Actions (IA)

Version 3.0
12 October 2016

Disclaimer

This document is aimed at informing potential applicants for Horizon 2020 funding. It serves only as an example. The actual Web forms and templates, provided in the online proposal submission system under the Participant Portal, might differ from this example. Proposals must be prepared and submitted via the online proposal submission system under the Participant Portal.

Nueva versión 12 Octubre de 2016

Formularios: Ejemplo Research & Innovation /Innovation Action

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-call_ptef-pt

A

1. General information
2. Participants & contacts
3. Budget
4. Ethics
5. Call-specific questions

Datos administrativos y financieros
Formato PDF

B

- Cover page
1. Excellence
2. Impact
3. Implementation
4. Members of the consortium
5. Ethics and Security

Contenido técnico de la propuesta
Formato Word → PDF

Formulario B:

Ejemplo Research & Innovation/Innovation Action, Two Stages

1. Excellence

- 1.1 Objectives
- 1.2 Relation to the work programme
- 1.3 Concept and methodology
- 1.4 Ambition

2. Impact

- 2.1 Expected impacts (partial)
- 2.2 Measures to maximise impact
 - a) Dissemination and exploitation of results
 - b) Communication activities

1ª Etapa / 2ª Etapa

Formulario B:

Ejemplo Research & Innovation/Innovation Action, Two Stages

3. Implementation

3.1 Work plan — Work packages, deliverables and milestones

Table 3.1a: Work package description

Table 3.1b: List of work packages

Table 3.1c: List of Deliverables

3.2 Management structure and procedures

Table 3.2a: List of milestones

Table 3.2b: Critical risks for implementation

3.3 Consortium as a whole

3.4 Resources to be committed

Table 3.4a: Summary of staff effort

Table 3.4b: 'Other direct cost' items (travel, equipment, other goods and services, large research infrastructure)

1ª Etapa / 2ª Etapa

Formulario B:

Ejemplo Research & Innovation/Innovation Action, two stages

4. Members of the consortium

4.1. Participants (applicants)

4.2. Third parties involved in the project (including use of third party resources)

5. Ethics and Security

5.1 Ethics

5.2 Security

- **Template for Ethics Issues Table**

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/ethics-eit_en.pdf

- **Ethics Self-assessment**

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/ethics/h2020_hi_ethics-self-assess_en.pdf

- **Participan Portal H2020 –OnLine Manual**

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/ethics_en.htm



1ª Etapa / 2ª Etapa

Formulario B: 1ª y 2ª etapa

Formulario B



First stage

- Page limit $\leq$ **10 pages**.

Full proposals (stage 2)

- Cover page + Sections 1, 2 and 3 together $\leq$ **70 pages (CSA y ERA NET $\leq$ 50)**

(All tables included within this limit)

- Min. font size = 11 points.
- Page size = A4
- All margins (top, bottom, left, right) $\geq$ 15 mm (not including any footers or headers).

Exceso de página

- Validación

Validations

! The following warning may affect its eligibility during evaluation:

Eligibility warnings

- The file Doc1.pdf (Technical Annex Section 1-2 (Stage 1)) contains 14 pages, the guide for applicants states that the document should contain no more than 7 pages

Close

After the deadline, any excess pages will be overprinted with a 'watermark', indicating to evaluators that these pages must be disregarded.

- Envío

Eligibility warnings

! Your proposal was submitted with the following eligibility warnings:

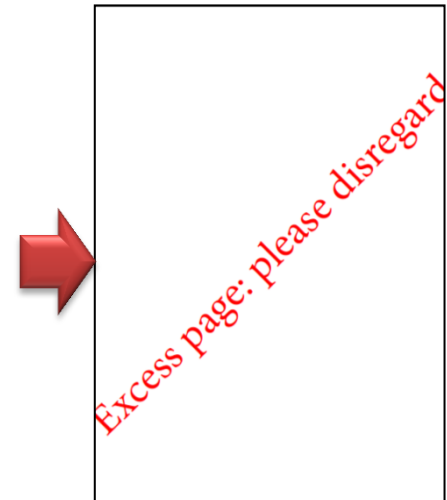
Eligibility warnings

- The file Doc1.pdf (Technical Annex Section 1-2 (Stage 1)) contains 14 pages, the guide for applicants states that the document should contain no more than 7 pages

If you believe that your proposal is eligible even with these warnings, then you may enter an explanation below - this will be passed to the eligibility committee.

1000 characters left

OK



La Guía de los evaluadores de H2020



Guidance for evaluators of Horizon 2020 proposals

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-evaluation-faq_en.pdf

Version 1.1 of 26 September 2014

The below information serves as guidance both for applicants and evaluating experts. The questions are frequently asked about Horizon 2020 proposals.

History of Changes			
Version	Date	Change	Page
1.1	26 Sept 2014	Update to the description of the impact criterion	2

1. How should Innovation be addressed and evaluated in proposals?

Horizon 2020 supports all stages in the research and innovation chain and a natural integration and continuum of activities. It provides seamless funding embracing frontier research, basic and applied research, technology development and integration, prototyping, testing and validation, and demonstrating, piloting and first market replication.

The programme pays particular attention to ensuring a balanced approach to research and innovation, not only limited to the development of new products and services on the basis of scientific and technological breakthroughs, but also incorporating aspects such as the use of existing technologies in novel applications, continuous improvement and non-technological and social innovation.

La Guía de los evaluadores de H2020



Guidance for evaluators of H2020 proposals

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-evaluation-faq_en.pdf

How should **XXXXX** be addressed and evaluated in the proposals?

- **Innovation**
- **Social Sciences and Humanities (SSH) - list of SSH-relevant topics.**
- **Responsible Research and Innovation (Open Access)**
- **Public Engagement**
- **Gender dimension**
- **Transdisciplinarity**
- **International Cooperation**
- **Communication activities**



Commissioner view



"As I see it, European success now lies in sharing as soon as possible, (...). The days of open science have arrived."

Speech at "Presidency Conference Open Science", 04 of April, 2016, Amsterdam



H2020 y la INNOVACIÓN



*"R&I are crucial to **boosting the growth and job creation** that EU so desperately needs"*

Commissioner Carlos Moedas

16 Feb 2015



*"Our focus is on supporting the best research ideas that provide major **business opportunities**"*

Commissioner Geoghegan-Quinn

30 Nov 2011

"Ensuring effective use of H2020 project results"



*"from research and **innovation to market deployment.**"*

EU Council Conclusions

24/25 October 2013



El mensaje “de la investigación al mercado” se ha materializado en la forma de evaluar

CLEAR EMPHASIS ON

INNOVATION

**EVERYWHERE
IN YOUR
PROPOSAL**



La INNOVACIÓN en los criterios de evaluación

'Excellence' criterion *(excerpt)*

- *Extent that the proposed work is beyond the state of the art and demonstrates **innovation potential** (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organizational models)*

'Impact' criterion *(excerpt)*

- *... enhance **innovation capacity**, create **new market opportunities**, strengthen **competitiveness and growth** of companies, address ... the **environment**, or bring other important benefits for **society**;*

'Quality & efficiency of the implementation' *(excerpt)*

- *Appropriateness of the management structures and procedures, including risk and **innovation management**.*

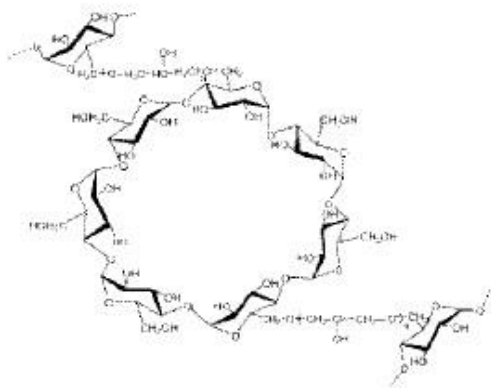
Note: For 'Innovation' actions the score for '**impact**' will be weighted by a factor of **1.5**



El concepto de innovación

✧ Innovation

- ✧ The successful commercialization of new ideas, which when used, produces tangible benefits, satisfying **needs and wants**



Invention

- ✧ End users do not buy technology /R&D...
- ✧ They buy **goods and services** that satisfy their needs and wants



Innovation

Source: Cecilia Tatu. Ayming



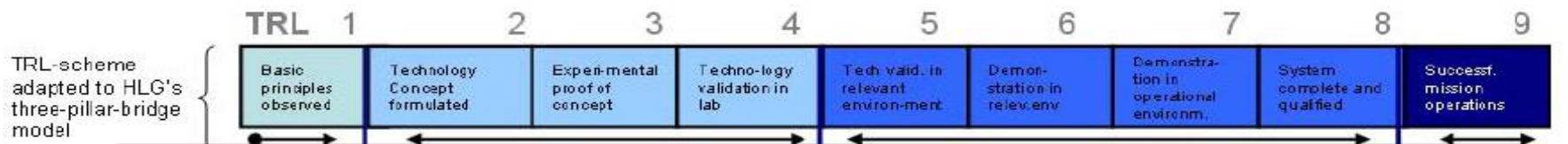
ayming

Finance & Innovation
performance

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22

Technology Readiness Levels



G. Technology readiness levels (TRL)

Where a topic description refers to a TRL, the following definitions apply, unless otherwise specified:

- TRL 1 – basic principles observed
- TRL 2 – technology concept formulated
- TRL 3 – experimental proof of concept
- TRL 4 – technology validated in lab
- TRL 5 – technology validated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 6 – technology demonstrated in relevant environment (industrially relevant environment in the case of key enabling technologies)
- TRL 7 – system prototype demonstration in operational environment
- TRL 8 – system complete and qualified
- TRL 9 – actual system proven in operational environment (competitive manufacturing in the case of key enabling technologies; or in space)

OECD Frascati Manual

RDI State of the art framework

Risk Capital Guidelines Regional Investment

Horizon 2020

European Regional Development

European Investment Bank

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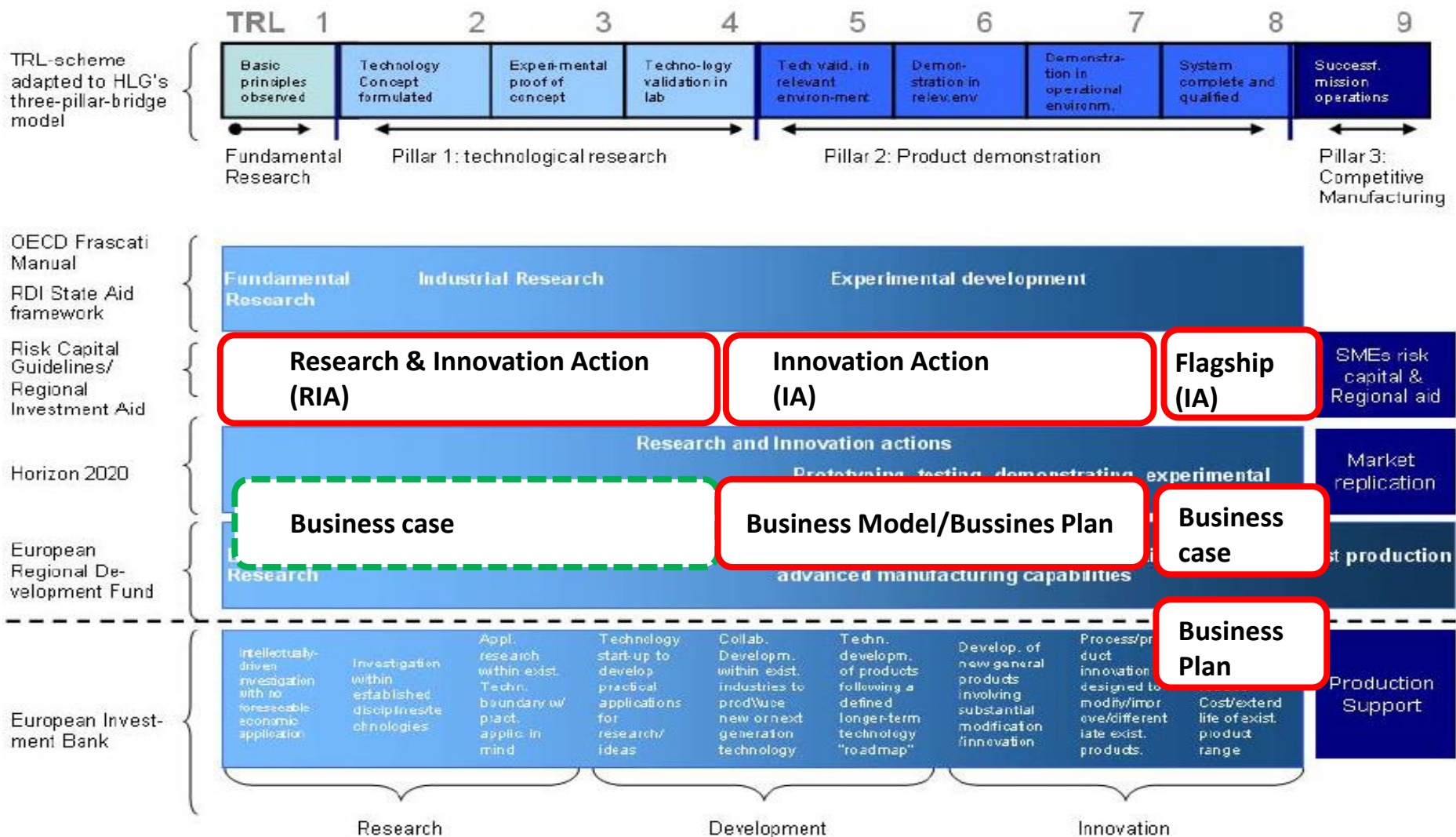
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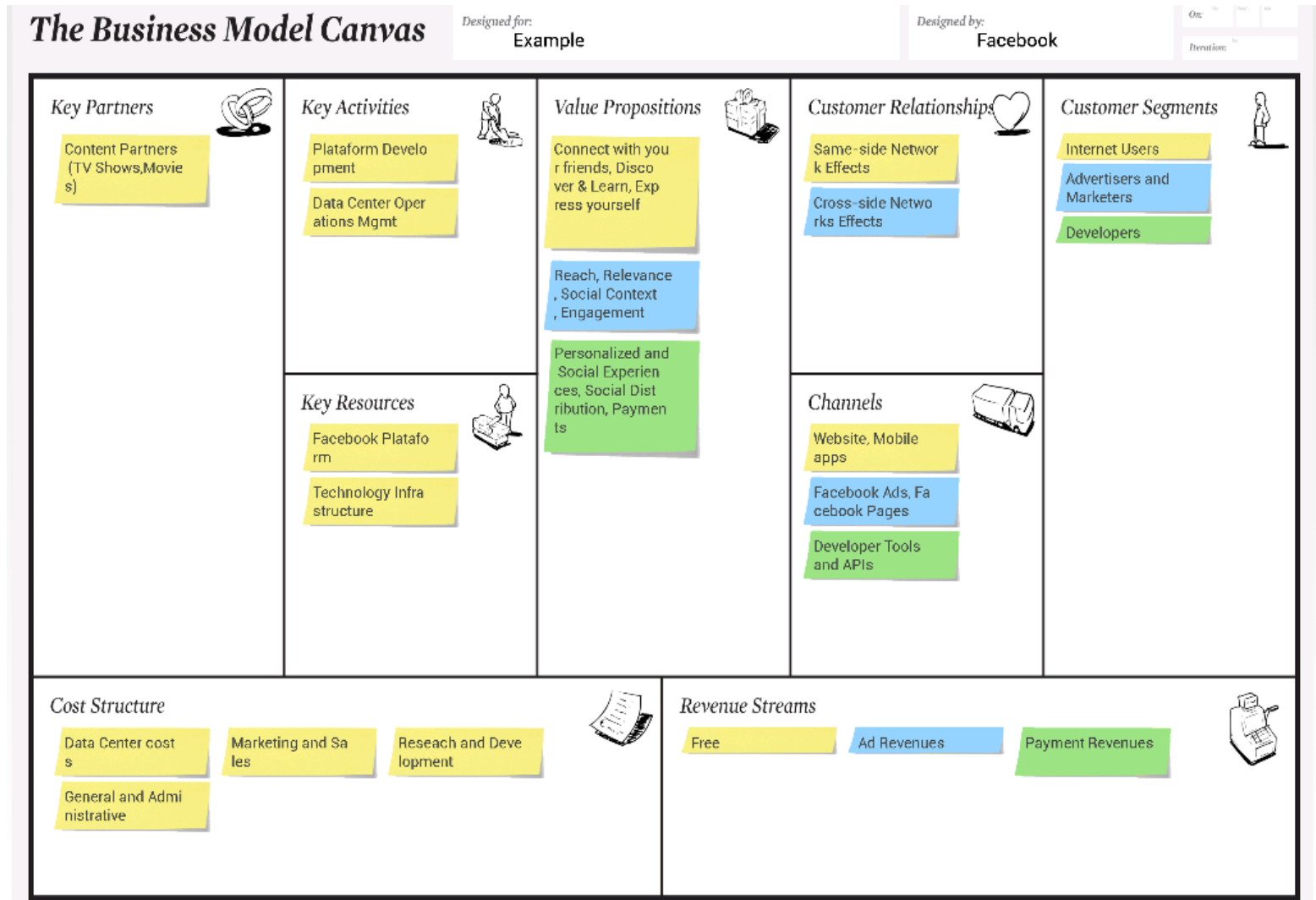
Technology Readiness Levels



Bussines case/Bussines Model/Bussines Plan

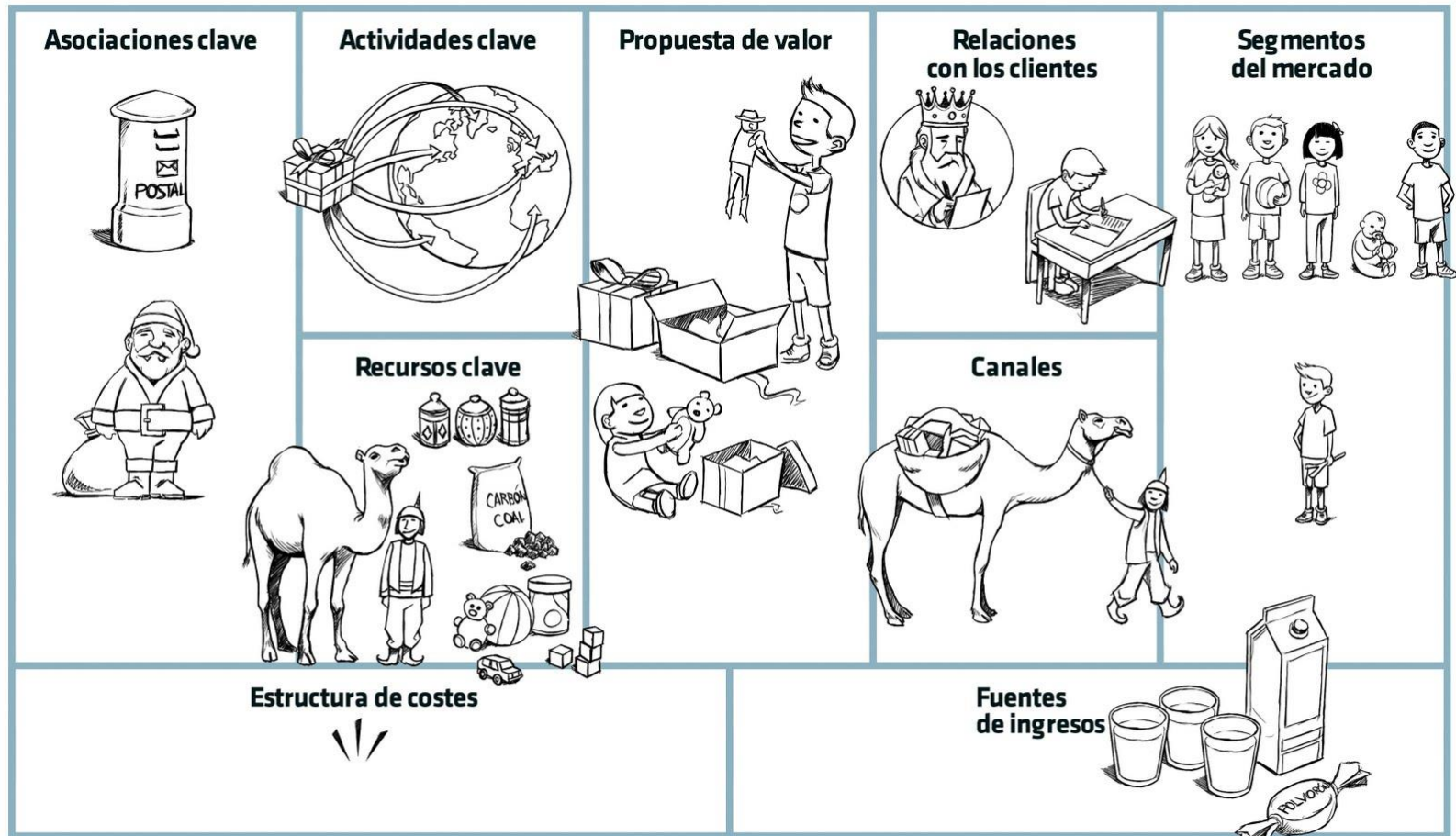
- A Business case captures the reasoning for initiating a project, proposes a strategy (pros/cons) and a roadmap.
- A Business model describes de rationale of how a project creates and captures value in economic, social, cultural. Includes a descripcion of the project.
- A Business plan includes a presentation of the product and concept, business and IP strategy, bussines model, partners, market size and dynamics, technical and operational planning , a SWOT analysis and finantial forecasts. It will allow commercialising and financing your findings.

Modelo de Negocio en H2020 en la práctica



Fuente: [MobillsLabs](#) - Business Model Canvas

Modelo de Negocio en H2020 en la práctica



Una Explicación Visual de  SinPalabras © 2011

Bussines Plan



A Business plan should include:

- Exploitable results and key applications.
- Description of the IPR and exploitation team.
- Market potential areas.
- Business model: identification of main clients, marketing strategy.
- Financial projections.
- Commercialiation roadmaps.

Estandarización



Fuente: IPR
Helpdesk

Standards

- Standardization is identified in Horizon 2020 as one of the measures that will support market take-up of research results and innovation.
- Help on addressing standardization in Horizon 2020 projects and how project proposers, can integrate standardization in proposals is available from CEN-CENELEC.



<http://www.cencenelec.eu/research/tools/Horizon2020/Pages/default.aspx>



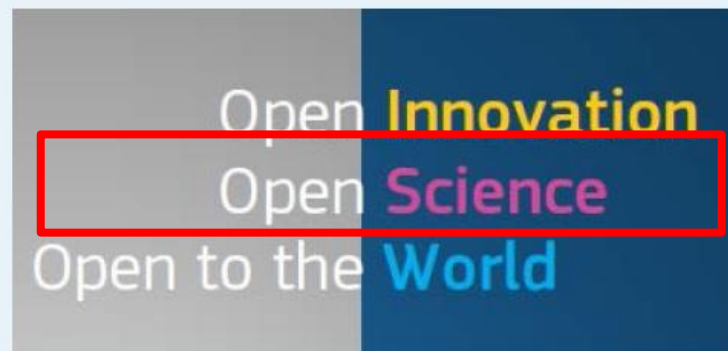
La visión de la Comisión Europea

Commissioner view



"As I see it, European success now lies in sharing as soon as possible, (...). The days of open science have arrived."

Speech at "Presidency Conference Open Science", 04 of April, 2016, Amsterdam

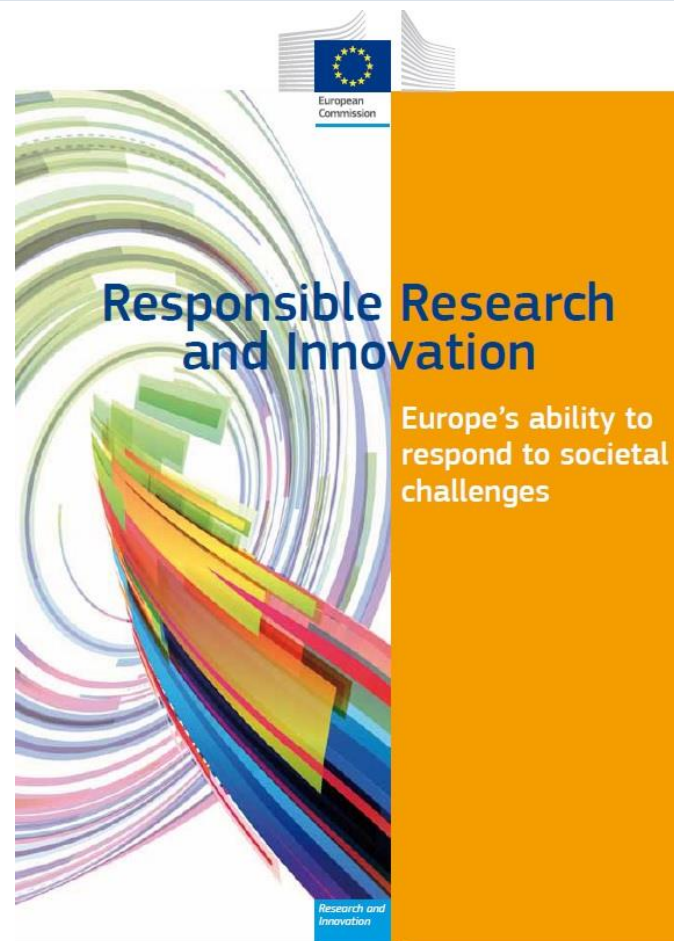


El concepto RRI- Investigación e Innovación Responsable

European Commission

RRI is now a **legal text of H2020** from the European Parliament, Preamble 22 (our emphasis):

(22) With the aim of **deepening the relationship between science and society** and reinforcing public confidence in science, Horizon 2020 should (...) by developing responsible research and innovation agendas that **meet citizens' and civil society's concerns and expectations...**



[Responsible Research and Innovation](#)
[Europe's ability to respond to societal challenges](#)

April 2012

El concepto RRI- Investigación e Innovación Responsable

RRI – Responsible Research Innovation. 6 keys

Other areas:

Sustainability

Social justice

Inclusion

1. Public
engagement

2. Gender equality

2. Science Education

4. Open access

5. Ethics

6. Governance



El mandato de Acceso Abierto en H2020

- Es obligatorio para los **beneficiarios de H2020 depositar en abierto todas las publicaciones científicas** que se elaboren en el marco de la investigación financiada por el programa.
- La CE ha lanzado un **piloto** que hace **obligatorio el depósito abierto de los datos de investigación** producidos en el marco de los proyectos. Es posible salirse del piloto justificándolo.

¿Qué es el acceso abierto?

Acceso abierto: acceso *on line* sin trabas ni coste para el usuario final:

- a publicaciones científicas revisadas por pares.
- a datos de investigación.

Sin embargo, el acceso abierto:

- no implica la exigencia de publicar: los investigadores tienen libertad para decidir si publicar o no.
- no interfiere con la decisión de explotar comercialmente los resultados de investigación (ej. patentar): la obligación de depositar en acceso abierto se produce una vez se ha tomado la decisión de publicar.
- las publicaciones no son de menor calidad: están sometidas al mismo proceso de revisión por pares que las publicaciones de acceso comercial.

El mandato de Acceso Abierto en H2020

El mandato de Acceso Abierto en H2020. Enlaces de interés

Portal del Participante/ Reference Documents

[Guidelines on Open Access to Scientific Publications and Research Data.](#)

[Guidelines on Data Management](#)

<https://www.openaire.eu/factsheets/support/h2020>

Acceso abierto **datos de investigación** **Obligaciones**

Re3data (www.re3data.org); Zenodo (www.zenodo.org)

Plan de Gestión de Datos:

<http://www.consorciomadrono.es/pagoda>

A la hora de escribir una propuesta, tener en cuenta:

[Winning Horizon2020 with Open Science?](#)

El Género en los proyectos de H2020.



“Sex” is a biological quality

“Gender” is a socio-cultural process



Objetivos de Igualdad de Género en H2020

- Asegurar el equilibrio de género en la toma de decisiones.
- Promover el equilibrio de género en los equipos de investigación.
- Integrar el análisis de género en el contenido de la investigación y la innovación.

Gender Equality in Horizon 2020

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/gender/h2020-hi-guide-gender_en.pdf

Fact sheet: Gender Equality in Horizon 2020

https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/FactSheet_Gender_091213_final.pdf

*Interdisciplinariedad y **Trandisciplinariedad***

A Strategic Approach to EU agricultural Research and Innovation (pag. 30)

<https://ec.europa.eu/programmes/horizon2020/en/news/final-paper-strategic-approach-eu-agricultural-research-and-innovation>



- **Interdisciplinary research** involves closer and more frequent collaborative exchanges among researchers drawn from different fields who are working together on a common problem.
- **Transdisciplinarity** is a specific form of interdisciplinarity in which boundaries between and beyond disciplines are transcended and knowledge and perspectives from different scientific disciplines as well as knowledge from societal stakeholders are integrated.



La visión de la Comisión Europea

Commissioner view



"As I see it, European success now lies in sharing as soon as possible, (...). The days of open science have arrived."

Speech at "Presidency Conference Open Science", 04 of April, 2016, Amsterdam

Open **Innovation**
Open **Science**
Open to the **World**

Horizon 2020 is open to participation from across the world



- Several countries are automatically eligible for funding

http://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-ga_en.pdf

- A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon 2020 projects:

- Co-funding mechanism covering all thematic areas: [Republic of Korea](#), [Mexico](#), [Russia](#), [Taiwan](#)

- Co-funding mechanism covering selected thematic areas: [Australia](#), [China](#), [Hong Kong & Macao](#), [India](#), [Japan](#)

- Co-funding by region: [Brazil](#), [Canada](#)

Country pages available on:

<http://ec.europa.eu/research/iscp/index.cfm?lg=en&pg=participate>

Country pages available on:

<http://ec.europa.eu/research/iscp/index.cfm?lg=en&pg=participate>

2.2. Measures to maximise impact

b) Communication Activities

Beneficiaries have the obligation to “promote the action & its results”

- Las actividades de comunicación se desarrollarán en un WP específico o como parte de otro.
- Estarán planificadas desde la concepción del proyecto y se desarrollarán a lo largo del mismo, con objetivos claros, estratégicamente planificados, dirigidos a distintas audiencias y eligiendo los mensajes pertinentes.
- Utilizar distintos medios (locales, regionales, nacionales, UE); one-way exchange (web, prensa, folletos), o two-ways exchange (feria, visita a colegio, debate por internet, ...)
- La comunicación será acorde a la escala de la acción.



http://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/main/h2020-wp1415-comm-diss_v1.0_en.pdf

http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/h2020-guide-comm_en.pdf

Recomendaciones finales

- Releer el topic las veces que sea necesario.
- Seguir la Guía del solicitante para que el evaluador encuentre fácilmente la información que está buscando.
- Ponerse en el lugar del evaluador. Tener en cuenta los criterios y subcriterios de evaluación.
- La innovación está de moda y se evalúa, fundamentalmente en el impacto (mercado, oportunidad de negocio, ...)
- Cuantificar
- Coherencia en la escritura.
- Menos es más. Pónselo fácil al evaluador apoyándose en gráficos, tablas, dibujos.
- Consulta los documentos de apoyo en el H2020 Online Manual. (IPR, gender, RRI, Open Access)
- Utilizar toda la ayuda disponible (NCPs, IPR Helpdesk, ...)

H2020 Online Manual

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/applying-for-funding_en.htm

- 📁 H2020 Online Manual
 - 📁 My Area - User account & roles
 - Login with ECAS
 - Roles & access rights
 - Terms and Conditions of Use
 - 📁 Grants
 - 📁 Applying for funding
 - 📁 Find a call
 - Horizon 2020 structure and budget
 - What you need to know about Horizon 2020 calls
 - Find partners or apply as individual
 - 📁 Register in the Beneficiary Register
 - Registration of your organisation
 - LEAR appointment
 - Validation of potential beneficiaries
 - Financial viability check
 - Data update
 - Certifications
 - 📁 Submit a proposal
 - Get prepared
 - Electronic proposal submission

- 📁 From evaluation to grant signature
 - Eligibility check
- ➔ 📁 Evaluation of proposals
 - Eligibility and evaluation criteria
 - Evaluation process and results
- 📁 Grant preparation
 - Enter & submit grant data
 - Ethics review
 - Security scrutiny
- ➔ 📁 Grant signature
 - Grant signature
- 📁 Grant management
 - Keeping records
 - Amendments
- 📁 Reports & payment requests
 - Periodic reports
 - Final report
- ➔ 📁 Deliverables
 - Deliverables
- ➔ 📁 Dissemination & exploitation of results
 - Dissemination & exploitation of results
- ➔ 📁 Communicating your project
 - Communicating your project
- ➔ 📁 Checks, audits, reviews & investigations
 - Checks, audits, reviews & investigations
- ➔ 📁 Financial instruments
 - Financial instruments

- ➔ 📁 Working as an expert
 - Expert registration
 - Contracting & payment
 - Expert roles & tasks
- ➔ 📁 Cross-cutting issues
 - International cooperation
 - Social Sciences & Humanities
- ➔ 📁 Open access & Data management
 - Open access
 - Data management
- ➔ 📁 Ethics
 - Ethics
- ➔ 📁 Gender
 - Gender
- ➔ 📁 SMEs
 - SMEs
- ➔ 📁 ERA-NETs
 - ERA-NETs
- ➔ 📁 Links to regional policy
 - Links to regional policy
- ➔ 📁 Intellectual property
 - Intellectual property
- ➔ 📁 Innovation procurement
 - Innovation procurement

Documents and links of interest



A Strategic Approach to EU agricultural Research and Innovation

<https://ec.europa.eu/programmes/horizon2020/en/news/final-paper-strategic-approach-eu-agricultural-research-and-innovation>

Work Programme “Bioeconomy” (2016-2017):

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf

Participant Portal H2020 Online Manual

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index_en.htm

Self-Evaluation Forms

http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/ef/h2020-call-ef-ria-ia-csa_en.pdf

Guidance for evaluators of Horizon 2020 proposals

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/pse/h2020-evaluation-faq_en.pdf

Proposal Submission Service User Manual

http://ec.europa.eu/research/participants/data/support/sep_usermanual.pdf

Listas de distribución del portal español de H2020:

<http://www.eshorizonte2020.es/suscripcion>

Ayudas a la Preparación de Propuestas Comunitarias (APC):

<http://www.cdti.es/index.asp?MP=7&MS=572&MN=3&TR=C&IDR=600>

Library Bioeconomy:

<http://ec.europa.eu/research/bioeconomy/index.cfm?pg=library>



Library Bioeconomy

<http://ec.europa.eu/research/bioeconomy/index.cfm?pg=library>

Publications



El último mensaje



Estamos a vuestra
disposición para
ayudaros,

pero....

y.....

Os esperamos el 13 de enero de 2017
en CDTI, en la “Taller de apoyo a
Coordinadores de propuesta”

Claves para preparar una propuesta exitosa en H2020

SPECIFIC

REQUIREMENTS:

- Cross Cutting Issues
- Gender Dimension
- Ethics

MULTI-ACTOR:

important to adress it properly

EVALUATION:

- No negotiation phase
- Shortcomings/lower scores

IMPACT:

Key to success

LEGAL& FINANTIAL ISSUES:

- 3rd PARTY: Often needs to be clarified
- Validation stays cumbersome

DISSEMINATION & EXPLOITATION:

Is Important

Thanks for your attention!

Any questions?

Marta Conde

National Contact Point for SC2 Bioeconomy & LEIT "Biotech"

CDTI

Ministry of Economy and Competitiveness

International Programmes Directorate

European Programmes Division

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