

Horizon 2020 R&I opportunities for the GLObal and REgional Atmospheric Modelling (GLOREAM) community within Call 2015



Carlos Borrego
National Delegate

Anabela Carvalho
National Contact Point

Europe 2020 Strategy - Flagship Initiatives

A strategy for smart, sustainable and inclusive growth

The Commission is putting forward **seven flagship initiatives** to catalyse progress



Horizon2020 - What's new?



- A **single programme** bringing together three separate programmes/initiatives*
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy, climate change and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond.

*The 7th Research Framework Programme (FP7)



+

Competitiveness and Innovation Framework Programme (CIP)

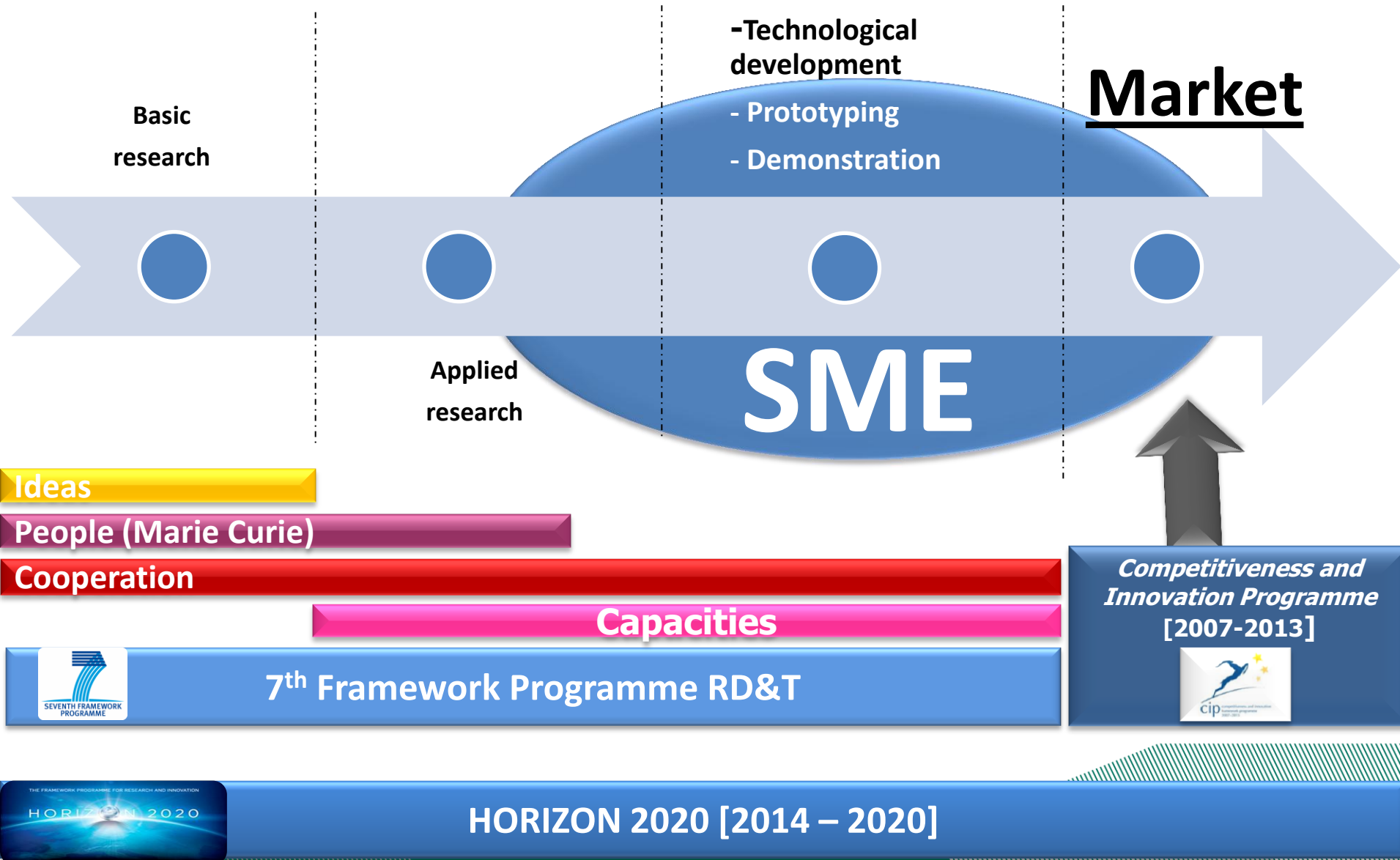


+

European Institute of Innovation and Technology (EIT)

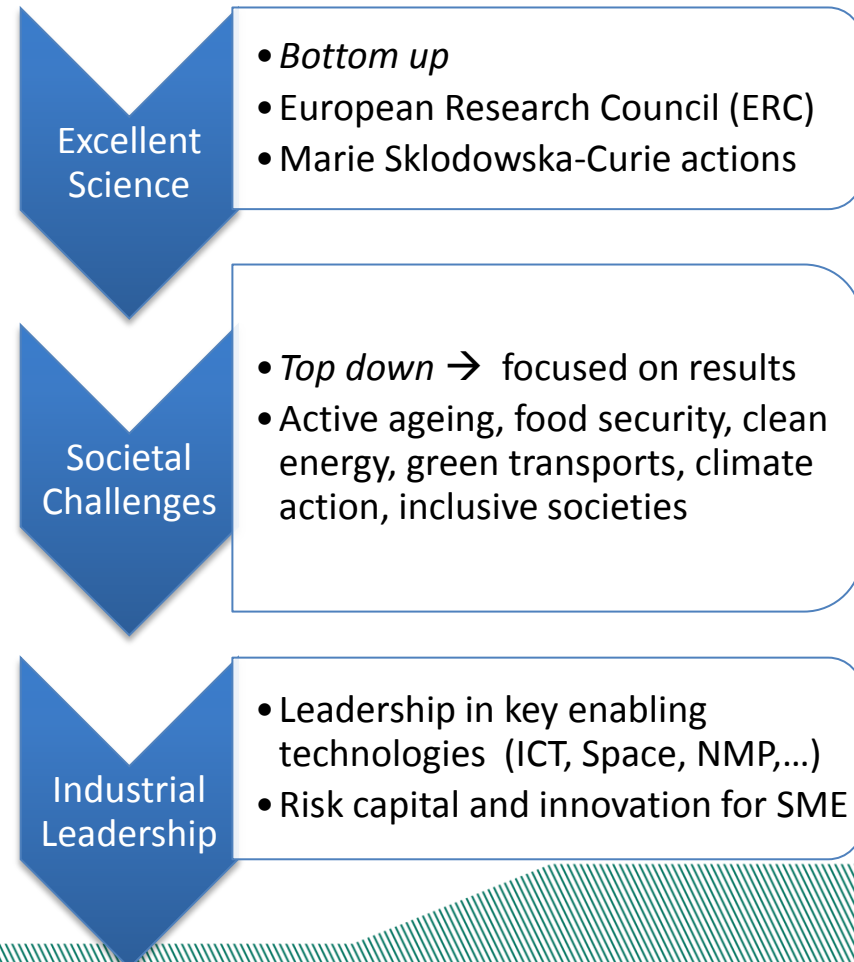


HORIZON 2020 – Funding opportunities throughout the full innovation cycle



HORIZON 2020 main EU programme that supports R&I

Budget: 80.000 M€



HORIZON 2020: rules of participation

Simplification – single set of rules to all components of H2020

- ✓ Simpler cost eligibility and partnering rules
- ✓ Simpler time-recording requirements
- ✓ Cost based reimbursement but broader acceptance of the participants' accounting systems
- ✓ Evaluation criteria uniform (Excellence – Impact – Implementation)

Simple funding rates – one funding rate

- ✓ **Only two reimbursement rates:** 100% for research actions and 70% for demonstration, piloting, market replication = No differentiation depending on legal status
- ✓ one method to calculate indirect costs (single flat rate: 25%)
- ✓ VAT is an eligible cost (for institutions that cannot recover it)

Fewer better targeted controls and audits

Improvement of IPR rules and Open Access to scientific publications

Type of projects vs reimbursement rates

BUDGET: based on the type of project and not on the type of participant

***Innovation Action [IA]* → 70% direct costs + 25% indirect costs**

activities directly aiming at producing plans and arrangements or designs for new, altered or improved products, processes or services including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication. Projects may include limited research and development activities. Not-for-profit institutions can receive 100%.

***Research and Innovation Action [RIA]* → 100% direct costs + 25% indirect costs**

activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. They may include basic and applied research, technology development and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment.

***Coordination and Supporting Action [CSA]* → 100% direct costs + 25% indirect costs**

actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, etc.

VAT is considered an eligible cost!

HORIZON 2020 Societal Challenge 5 (SC 5)

Climate action, environment, resource efficiency and raw materials

Main proposed activities

*Fighting and adapting to **Climate Change***

*Sustainably managing natural **resources and ecosystems***

*Sustainable supply of non-energy and non-agricultural **raw materials***

*Transition towards a green economy through **eco-innovation***

*Global environmental **observation and information systems***

Cultural Heritage

Budget: 3.081 M€

Work Programme 2014 -2015 Societal Challenge 5

Climate action, environment, resource efficiency and raw materials

http://ec.europa.eu/research/participants/portal/doc/call/h2020/common/1617615-part_12_climate_action_v2.0_en.pdf

Referência tópico	Título	Ano	Tipo de projeto	M€ por projeto	Concurso	Deadline
Call Waste: a resource to recycle, reuse and recover raw materials						
WASTE-4d-2015	WASTE-4d-2015: Raw materials partnerships	2015	CSA	1,5	Single-stage	21 Abr 2015
WASTE-6a-2015	WASTE-6a-2015: Eco-innovative solutions	2015	IA	8-10	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WASTE-6b-2015	WASTE-6b-2015: Eco-innovative strategies	2015	RIA	4-5	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WASTE-7-2015	WASTE-7-2015: Ensuring sustainable use of agricultural waste, co-products and by-products	2015	RIA	7	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
Call Water innovation: boosting its value for Europe						
WATER-1b-2015	WATER-1b-2015: Demonstration/pilot activities	2015	IA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WATER-2b-2015	WATER-2b-2015: Integrated approaches to food security, low-carbon energy, sustainable water management and climate change mitigation;	2015	RIA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
WATER-4b-2015	WATER-4b-2015: Water management solutions for agricultural sector, thematic networks	2015	CSA	3	Single-stage	21 Abr 2015
WATER-5b-2015	WATER-5b-2015: A coordination platform	2015	CSA	3	Single-stage	21 Abr 2015
WATER-5c-2015	WATER-5c-2015: Development of water supply and sanitation technology, systems and tools, and/or methodologies	2015	RIA	2-3	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
Call Growing a low carbon, resource efficient economy with a sustainable supply of raw materials						
Fighting and adapting to climate change						
SC5-4-2015	SC5-04-2015: Improving the air quality and reducing the carbon footprint of European cities	2015	RIA	6-8	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
SC5-5b-2015	SC5-05b-2015: Earth-system modelling and climate services	2015	CSA	-	Single-stage	21 Abr 2015
Protecting the environment, sustainably managing natural resources, water, biodiversity and ecosystems						
SC5-7-2015	SC5-07-2015: More effective ecosystem restoration in the EU	2015	RIA	5-7	Two-stage	1ª fase: 21 Abr 2015 2ª fase: 8 Set 2015
SC5-10c-2015	SC5-10c-2015: An EU support mechanism for evidence-based policy on biodiversity & ecosystems services	2015	CSA	-	Single-stage	21 Abr 2015

2015 R&I topics

DEADLINES Single-stage → **21 Apr 2015**

Two-stage: 1st stage → **21 Apr 2015** | 2nd stage → **8 Sept 2015**

Work Programme Societal Challenge 5 (2014-2015) - topics structure

Structure respects the challenge based approach – 3 key features

➤ Specific challenge

Sets the context, the problem to be addressed, why intervention is necessary

➤ Scope

Delineates the problem, specifies the focus and the boundaries of the potential action BUT without describing specific approaches

➤ Expected impact

Describe the key elements of what is expected to be achieved in relation to the specific challenge

SC5-4-2015: Improving the air quality and reducing the carbon footprint of European cities

Specific challenge

The European population lives in urban environments exposed to levels of air pollutants exceeding the limit values established by the European directives. The sources of pollution in cities are mainly linked to urban activities such as transport and heating. Other activities such as energy production, industrial activity, agriculture and trans-boundary pollution play an important role. Air pollution and climate change are strongly connected and there is

Scope

Development of technological options and strategies to fight against air pollution in urban environments and against climate change, ensuring the involvement of the main pollution-generation sectors. Proposals should include the development and application of tools in support of integrated air quality and climate change governance in EU Member States, with the aim of designing and implementing adequate abatement strategies and practices. The specific circumstances of the different regions and cities of Europe and the complex systems dynamics of societal and technological changes required for a transition to air pollution free/low carbon society should be taken into account. Proposals should foster the integration of advanced tools for the assessment, monitoring, modelling – including source apportionment – with innovative technological options and strategies to improve air quality and reduce the carbon footprint of urban areas. Furthermore, awareness-raising actions and policy support activities should be included. Proposals should include the participation of SMEs, as far as possible.

Expected impact

Reduction of the negative effects on health and climate together with improved air quality in the EU. Increase compliance with the EU air quality legislation. Support to EU air policy at EU and Member State level. Rapid market deployment of technological and non-technological innovative solutions. Contribution to the goals of the Smart Cities and Communities focus area. Societal transformation to a green and low carbon economy. Improved air quality in EU cities in the medium- to long-term.

Type of action: Research and innovation actions

SC5-4-2015: Improving the air quality and reducing the carbon footprint of European cities

- Development of technological options and strategies to fight against air pollution in urban environments and against climate change, ensuring the involvement of the main pollution-generation sectors.
- Development and application of tools in support of integrated air quality and climate change governance in EU Member States.
- Integration of advanced tools for the assessment, monitoring, modelling – including source apportionment – with innovative technological options and strategies to improve air quality and reduce the carbon footprint of urban areas.
- Awareness-raising actions and policy support activities.
- Include the participation of SMEs.

RIA | 6 -8 M€/proposal | 15 M€ available for this topic | *two-stage*

WASTE-6b-2015: Promoting eco-innovative waste management and prevention as part of sustainable urban development – Eco-innovative strategies

- Development of innovative and sustainable strategies for waste prevention and management in urban and peri-urban areas.
- Proposals should highlight how urban patterns, drivers, consumer behaviour, lifestyles, culture, architecture and socio-economic issues can influence the metabolism of cities.
- Proposals should highlight the possible benefits to be derived from ecosystems services and green infrastructure, and their gender sensitive application.

RIA | 4-5 M€ | 10 M€ available for this topic | *two-stage*

Excellent Science

Marie Skłodowska-Curie actions

- ✓ Operates in a 'bottom-up' basis, covering all scientific domains
- ✓ To support the research career
- ✓ **Mobility**, transnational and intersectoral
 - Opportunities **to work and train** with the best researchers in Europe and worldwide
 - Exchanges between academia/industry (*staff exchange*)
- ✓ **Aim**: develop new knowledge / enhance skills of people behind research and innovation
- ✓ Excellent conditions to recruit Researchers following the **Charter & Code**
European Charter for Researchers & Code of Conduct for the Recruitment of Researchers



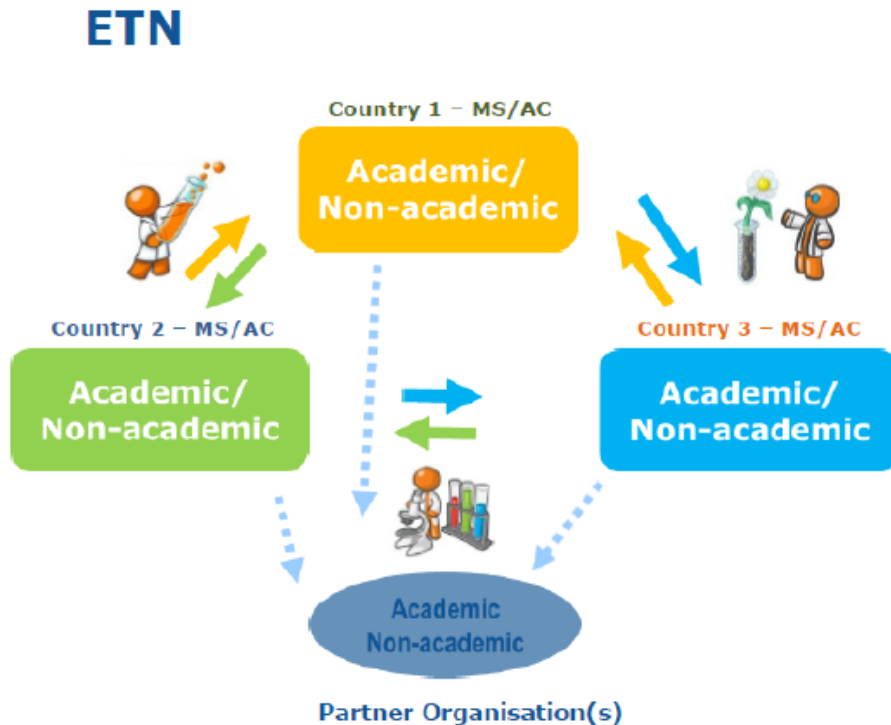
Main added value of the MSCA

For the
involved
institutions

- To recruit a new human resources
- Enhance a transfer of knowledge in the *staff*
- Boost the excellence of doctoral programmes
- To promote innovative, international, intersectoral *PhD*
- Build a consortium around a common research and innovation project
- Strengthen previous Partnerships/ Collaborations
- Leverage the know-how already generated and qualify new generations of researchers
- Possibility of synergies with the collaborative projects

Strengthen existing networks

Innovative Training Networks (ITN) – 1. European Training Networks (ETN)



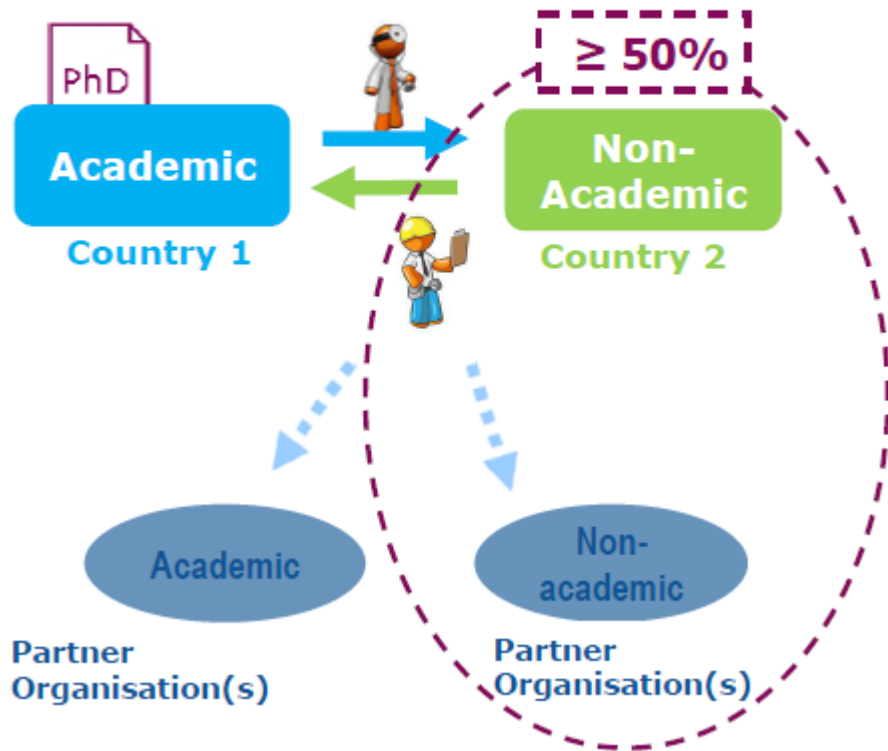
- Train a new generation of creative, entrepreneurial and innovative **early-stage researchers (ESR – less than 4 years in research and without *PhD*)**
- Collaboration between the academia and non-academic sectors
- Developing **entrepreneurship** and **skills** matching research labour market needs
- **Participation of non-academic partners is essential**
- **At least 3 partners from 3 different countries**

Deadline: January 13rd, 2015

Strengthen existing networks

Innovative Training Networks (ITN) – 2. European Industrial Doctorates (EID)

EID – 2 beneficiaries



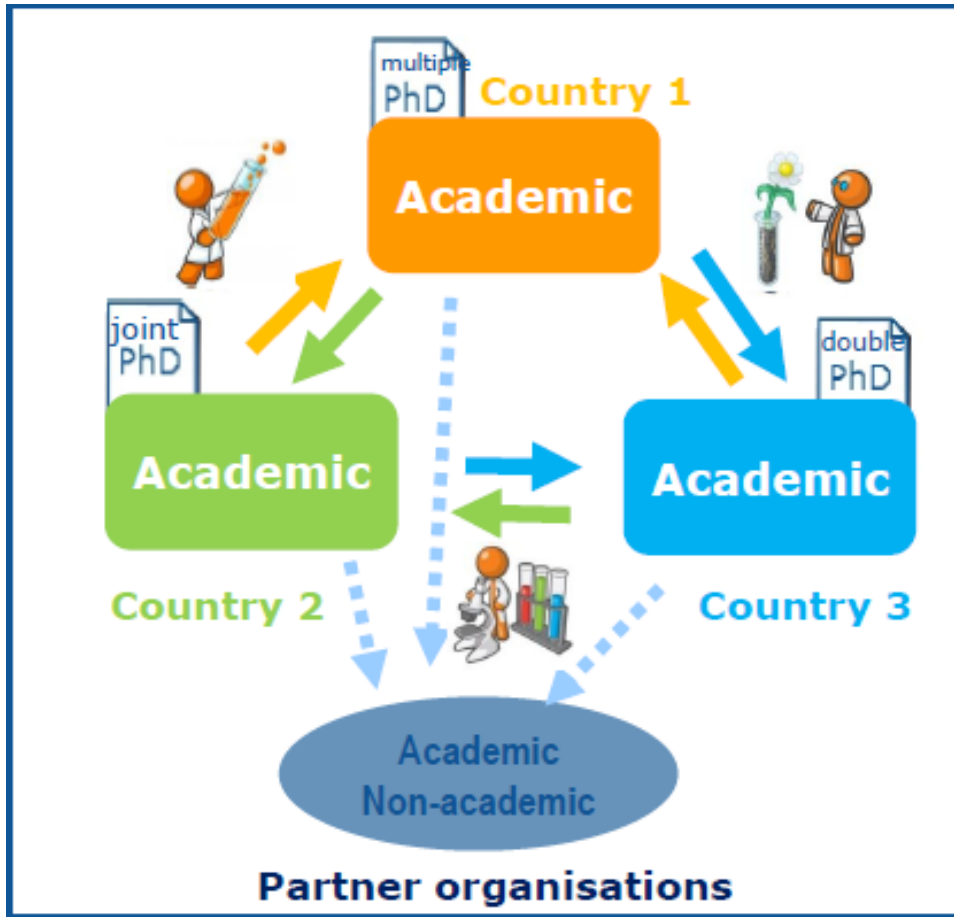
Deadline: January 13rd, 2015

- 2 beneficiaries
 - 1 academic
 - 1 non-academic
- 2 countries (MS/AC)
- >50% of time at non-academic sector
- Inscription at a joint PhD
- Joint PhD supervision

Strengthen existing networks

Innovative Training Networks (ITN) –

3. European Joint Doctorates (EJD)



- 3 beneficiaries
- 3 countries (MS/AC)
- Inscription at a joint PhD
- Joint PhD diploma is compulsory
- Joint PhD supervision
- Non-academic partners is very important

Deadline: January 13rd, 2015

Societal Challenge's Proposal preparation and submission

1 REGISTER your organization

→ Participant Identification Code – PIC

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

2 REGISTER yourself in the ECAS portal

→ Login and Password associated to your email that will be used to register and submit the proposal

https://webgate.ec.europa.eu/cas/eim/external/register.cgi?loginRequestId=ECAS_LR-6009668-aikPxuzLKsahDFC8rtnOtzTlerooSPJiWuOWW4lnIAEjENVRzzU8sbHP2F75JeY1uXba0wgMDMTzzeaoO79BYzpa-Jj71zxYb8yrzphppHGpwQW-wojOxV8G5TVYC1Lswlj8BwOxHKMCbqMXiPznrn5ctEN

3 At the Participants Portal, SELECT the topic and START the submission

→ After registering your proposal you can edit it at any time

Societal Challenge's Proposal preparation and submission

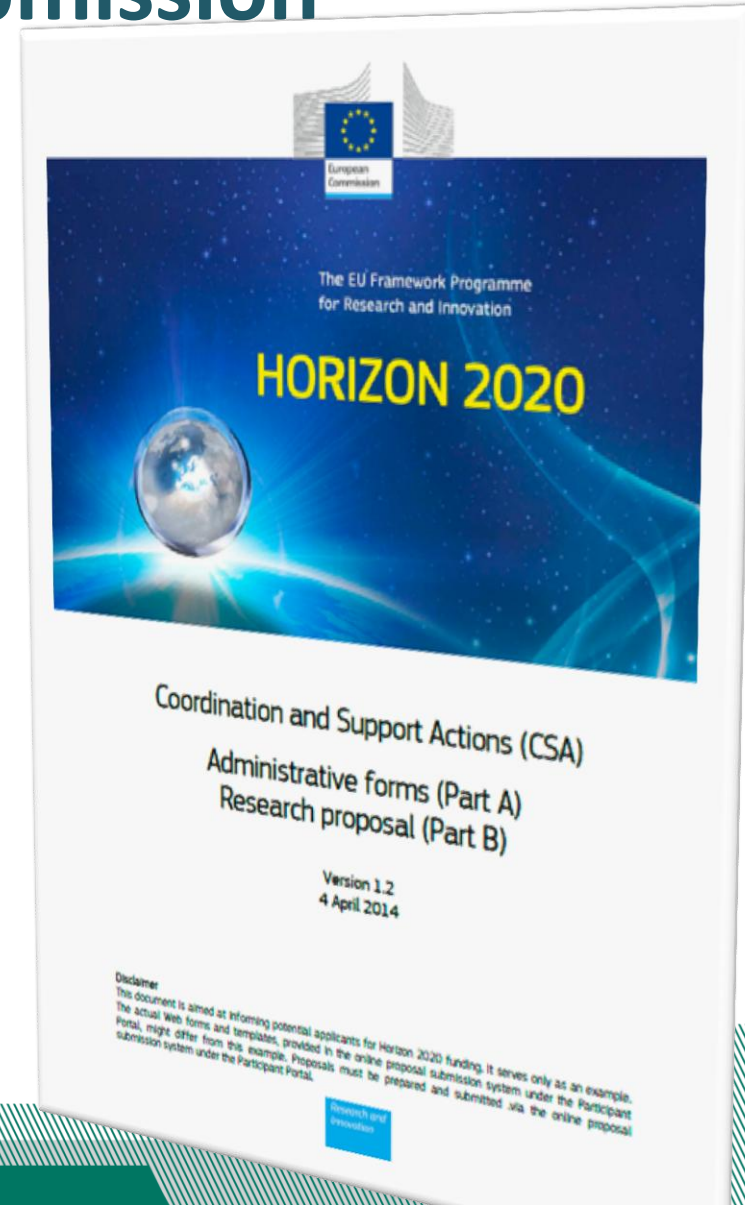
Part A – Administrative information

Part B – Technical proposal

Annex 1-3

Annex 4-5

Templates are available at the topic description page
http://ec.europa.eu/research/participants/data/ref/h2020/call_ptef/pt/h2020-call-pt-ria-ia-csa_en.pdf



Societal Challenge's Proposal preparation and submission

Part A – Administrative information

edited online

- **General information**
title, duration, keywords, abstract
- **Administrative data of participating organisations**
- **Budget of the whole proposal and for each participating organization**

Proposal Submission Forms
Directorate-General for Research and Innovation

pool ID Acronym

- General information

Topic Type of action

Call identifier Acronym

Proposal title Max 200 characters (with spaces). Must be understandable for non-scientists in your field.

Duration in months Limit to duration of the project in full months.

First keyword 1

Free keywords Enter any words you think give extra detail of the scope of your proposal (max 200 characters with spaces).

Abstract

Abstract summary (max 2,000 characters, with spaces) to clearly explain the objectives of the proposal how they will be achieved. Its relevance to the work programme. It is used as the short description of the proposal in the evaluation process and in communications with the programme management committees and other interested parties. Do not include any confidential information. Use plain typed text, avoiding formulae and other special characters. The proposal is written in a language other than English, please include an English version of this abstract in the "Technical Annex" section.

Remaining characters 2000

Has this proposal (or a very similar one) been submitted in the past 2 years in response to a call for proposals under the 7th Framework Programme, Horizon 2020 or any other EU programme(s)?

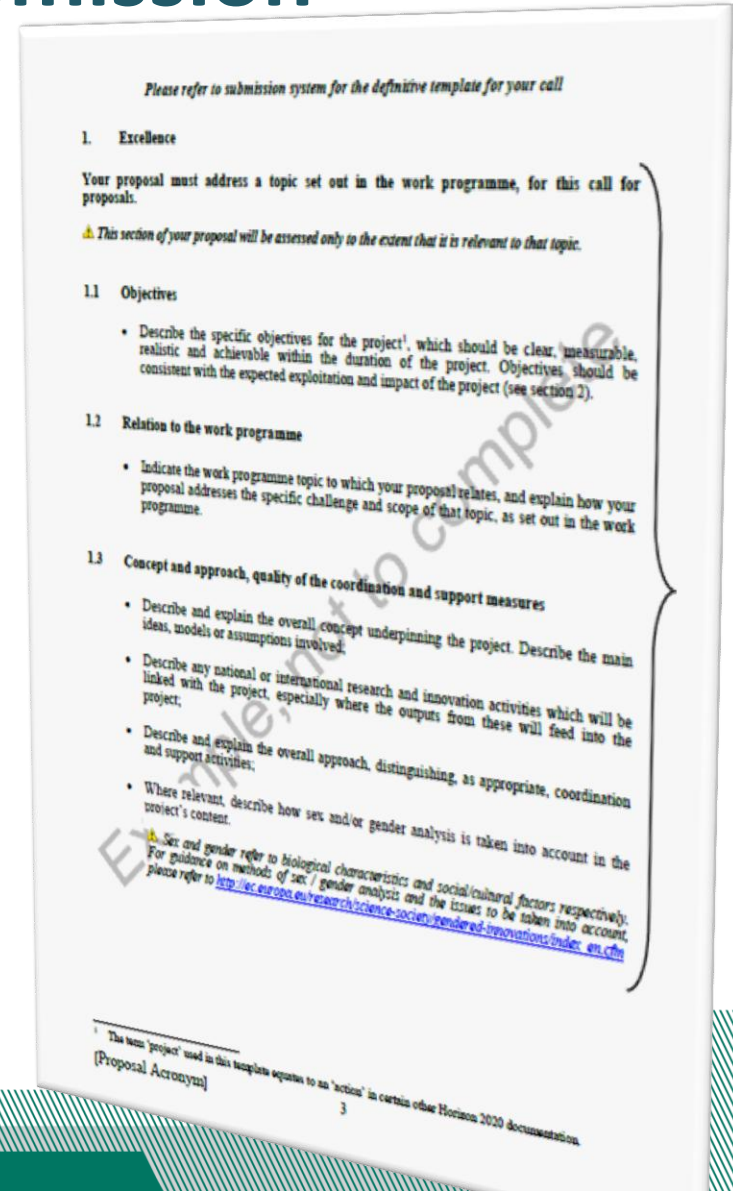
Please give the proposal reference or contract number.

Societal Challenge's Proposal preparation and submission

Part B – Technical annex

- the template in word format can be downloaded
- after completion, the annexes, should be uploaded in pdf format

- **Annex 1-3** → for CSA, max 50 pages
→ for RIA, IA, max 70 pages
- **Annex 4-5** → no page limits



Excellence

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

Impact

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

Implementation

- 3.1 Work plan — Work packages, deliverables and milestones**
- 3.2 Management structure and procedures**
- 3.3 Consortium as a whole**
- 3.4 Resources to be committed**

Section 4: Members of the consortium

4.1. Participants (applicants)

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

Section 5: Ethics and Security

Participants Portal

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

(A-Z) Sitemap About this site Contact Legal Notice Search English

RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT

LOGIN REGISTER

Horizon 2020 Funding

Starting from 1/1/2014

On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)

Non-registered users

- search for funding
- read the H2020 Online Manual & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

WHAT'S NEW?

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

WORK AS AN EXPERT

MY PERSONAL AREA

INFORMATION AND SUPPORT

**Can we use H2020 opportunities to
finance GLOREAM activities?**

**In what way? Training networks?
Collaborative projects?**

