

## Overview of H2020: Rules & Instruments for Horizon 2020



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**Building Bi-regional Partnerships for Global Challenges**



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PRAXI Network

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# The strategy of European Union

Horizon 2020 is the financial tool of European Union in order to implement policies such as the innovation union a political initiation in the framework of Europe 2020 strategy.



## I Excellent Science

- World class science as foundation of tomorrow's technologies, jobs and wellbeing,
- Develop european research infrastructures
- Scientific collaboration across disciplines on radically new and high risk ideas / emerging areas of science and technology

**Indicative budget: 24 M€ - 31,73%**

## II Industrial Leadership

- speed up development of technologies and innovations that will underpin tomorrow's businesses
- help innovative European SMEs to grow into world-leading companies.
- attract private investment in research and innovation

**Indicative budget: 17 M€ - 22,09%**

## III Societal Challenges

- Innovative solutions to achieve EU citizens and society concerns of / policy objectives (climate, environment, energy, transport, etc)
- Breakthrough solutions from multi-disciplinary collaborations, including social sciences & humanities

**Indicative budget: 29,7 M€ - 38,53%**

# Participation in Horizon 2020

- Legal entities from EU Member States and Associated Countries
  - A **legal entity** is defined as “any natural person, or any legal person created and recognised as such under national law, European Union law or international law, which has legal personality and which may, acting in tis own name, exercise rights and be subject to obligations
- Legal entities established in International Cooperation Partner Countries (ICPC-INCO), including African countries
  - If provided for in a Strategic Programme or a Work Programme, or
  - If essential for carrying out an action, or
  - If provision for funding is provided for in a bilateral agreement between the EU and that country

# Participation in Horizon 2020

- Research organizations, Universities
- High-tech Small and Medium Sized Enterprises (SMEs)
- SME Associations (specific instruments)
- Public administrations (local, regional, or national)
- Individual researchers wishing to work in another country (MSC)
- Institutions running a research facility of multi-national interest
- Civil society organizations

# Participation in Horizon 2020



# Participation in Horizon 2020

Research and Innovation Actions		Innovation Actions	
Funding for projects tackling clearly defined challenges, which can lead to the development of new knowledge or a new technology.		Funding focused on closer-to-the-market activities.	
Who?	Minimum 3 independent legal entities from 3 different EU MS or AC <ul style="list-style-type: none"> <li>Additional information may be defined in the Work Programme</li> </ul>	Who?	Minimum 3 independent legal entities from 3 different EU MS or AC <ul style="list-style-type: none"> <li>Additional information may be defined in the Work Programme</li> </ul>
Funding Rate	100% funding for all activities and participants	Funding Rate	70% funding for all activities and most participants <ul style="list-style-type: none"> <li>100% reimbursement possible for non-profit organizations</li> </ul>
Overhead Rate	25%	Overhead Rate	25%

# Participation in Horizon 2020

Coordination and Support Actions		Marie Skłodowska-Curie Actions	
Funding covers the coordination and networking of research and innovation projects, programmes, and policies. <i>Funding for research and innovation per se is not eligible.</i>		Funding for international research fellowships in the public or private sector, research, training, staff exchanges	
Who?	Single entities or consortia of partners from different countries, industry, and academia <ul style="list-style-type: none"> <li>Additional information may be defined in the Work Programme</li> </ul>	Who?	Early stage researchers or experienced researchers (of any nationality), technical staff, national/regional research mobility programmes <ul style="list-style-type: none"> <li>Additional information may be defined in the Work Programme</li> </ul>
Funding Rate	100% funding for all activities and participants	Funding Rate	100% funding for all activities and most participants
Overhead Rate	25%	Overhead Rate	25%



# Calls for proposals

The screenshot displays the 'Calls for Proposals' interface. On the left, a sidebar menu includes 'Calls' (selected), 'Research Fund for Coal & Steel', 'COSME', '3rd Health Programme', 'Consumer Programme', 'FP7 & CIP Programmes 2007-2013', and 'Other Funding Opportunities'. The main content area is titled 'Calls for Proposals' and features a 'Horizon 2020' header with a search box and a 'FILTER' button. Below this, a tree view shows 'Industrial Leadership' expanded, with sub-categories: 'Leadership in enabling and industrial technologies (LEIT)', 'Information and Communication Technologies', 'Nanotechnologies', 'Advanced materials', 'Biotechnology', 'Advanced manufacturing and processing', and 'Space'. A 'Status' filter bar shows 'Forthcoming' and 'Open' selected, with a 'FILTER' button. A 'Sort by' bar offers options: '(Planned) Opening Date', 'Deadline', 'Call title', and 'Call identifier'. Three call cards are visible at the bottom: 'Societal Challenges MOBILITY for GROWTH 2014-2015 H2020-MG-2015-Singlestage-B', 'Societal Challenges GREEN VEHICLES 2015 H2020-GV-2015', and 'Science with and for Society Call for making science education and careers attractive for young people H2020-SEAC-2015-1'. Each card includes a 'Deadlines' field.

The calls for Horizon 2020 are published in the participant portal of European Commission

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020>

# How are the calls presented in participant portal?

## Calls

Work Program

## Topics

Topic Description

Topic Conditions and  
Legal Documents

- Legal and Financial issues
- Evaluation form
- Submission form examples

Link for proposal  
submission

# Topic Description – What you need to know

EU Programmes 2014-2020

Search Topics

Call Updates

Calls

H2020

Research Fund for Coal & Steel

COSME

3rd Health Programme

Consumer Programme

FP7 & CIP Programmes 2007-2013

Calls

Other Funding Opportunities

## Water Innovation: Boosting its value for Europe

H2020-WATER-2015 **two-stage** Sub call of: H2020-WATER-2014-2015

<b>Opening Date</b>	10-12-2014	<b>Deadline Date</b>	<b>21-04-2015 17:00:00 (Brussels local time)</b>
<b>Publication date</b>	11-12-2013	<b>Total Call Budget</b>	<b>€75,000,000</b>
<b>Programme</b>	Horizon 2020	<b>Stage 2</b>	08-09-2015 17:00:00 (Brussels local time)
<b>Status</b>	<b>Open</b>	<b>Main Pillar</b>	Societal Challenges
		<b>OJ reference</b>	OJ C 361 of 11.12.2013

**Topic:** **Demonstration/pilot activities** **WATER-1b-2015**

Topic Description **Topic Conditions & Documents** Submission Service

Specific challenge: One of the main factors hampering the market uptake of innovative solutions in the field of water is the lack of real scale demonstration of their long term viability. In addition, highly promising and sustainable eco-innovative water solutions (technologies, processes, products, services etc.) often do not reach the market due to pre-commercialisation challenges and the residual risk linked to scaling-up.

There is therefore a need to take action to accelerate the commercialisation of eco-innovative water solutions with a view to stimulating sustainable economic growth, business and job creation in the water sector.

The EIP on Water[1] has identified 8 priority areas: 5 thematic priorities (water reuse and recycling; water and waste water treatment, including recovery of resources; water and energy integration; flood and drought risk management; and the role of ecosystem services in the provision of water related services) and 3 cross-cutting priorities (water governance; decision support systems and monitoring; and financing for innovation). According to the EIP on Water, these are areas which show high potential for innovation and market uptake.

Scope: Proposals shall address the following:

# Search for calls

- Work Program
- NCPs
- Info-Days

Specific challenge: One of the main factors hampering the market uptake of innovative solutions in the field of water is the lack of real scale demonstration of their long term viability. In addition, highly promising and sustainable eco-innovative water solutions (technologies) do not reach the market due to pre-commercialisation challenges and the residual risk linked to scaling-up.

There is therefore a need to take action to accelerate the commercialisation of innovative water solutions with a positive environmental impact, contributing to economic growth, business and job creation in the water sector. The EIP on Water[1] has identified 8 priority areas: 5 thematic areas: water resources; water and energy integration; flood and drought management; water and wastewater system services; and financing for innovation. According to the EIP on water, the following activities should be addressed:

1. Addressing the thematic priorities (water governance; decision support systems; water and energy integration; flood and drought management; water and wastewater system services). 2. Addressing the following: (a) Addressing the thematic priorities of new or improved innovative solutions, with a focus on the cross cutting priorities identified in the EIP on water, such as: (i) Addressing the thematic priorities.

(b) Addressing the thematic priorities of new or improved innovative solutions, with a focus on the cross cutting priorities identified in the EIP on water, such as: (i) Addressing the thematic priorities.

Proposals that request a contribution from the EU of between EUR 6 and 8 million would allow this specific challenge to be addressed. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Proposals should help process industries become less water dependant while ensuring efficient management of other resources (e.g. raw materials and energy), and/or exploiting untapped potential of ICT by developing and deploying advanced ICT solutions for water resources management in agriculture and urban areas.

Complex issues should be addressed with innovative, creative solutions with a globally positive environmental impact demonstrated by life cycle analysis. Social, institutional, economic and governance aspects, such as standardisation and regulatory frameworks, should be considered where appropriate, as well as aspects affecting market deployment and uptake, such as the participation of SMEs, as far as possible.

Expected impact: Wide and fast deployment of innovative solutions in the water management sector. Support to the objective of the EIP 'Water'. Support to the objective of the EIP 'Water'.

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I have an expertise in this field

I do not know how to do this. I have to find partners

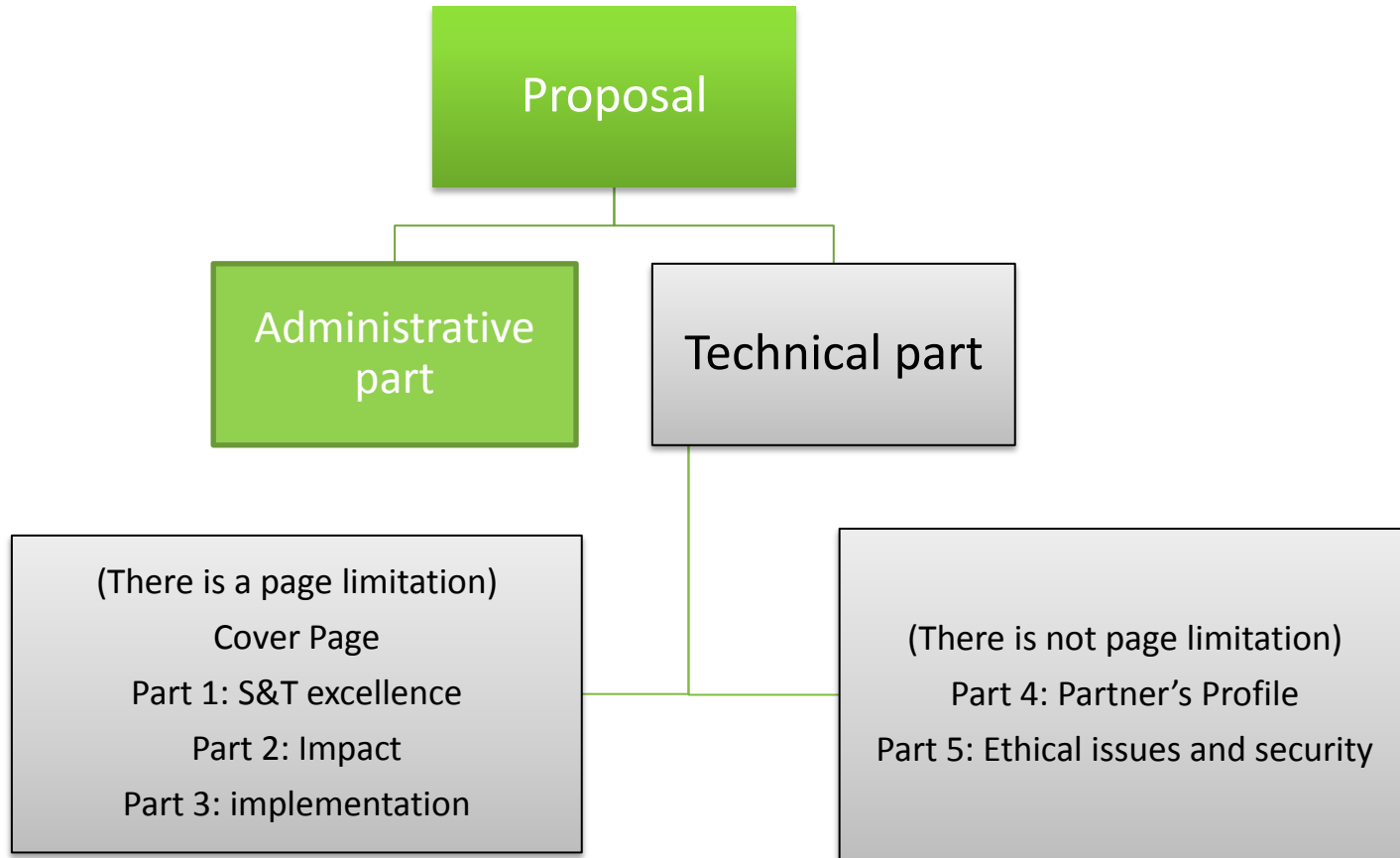
What is my budget? I shouldn't exceed it

What type of action am I expected to implement?

What impact does EC expect my project to have?

Do I know about this document?

# Parts of Proposal



# Evaluation Criteria

## Excellence

- Clarity and pertinence of the objectives
- Soundness of the concept, including trans-disciplinary considerations, where relevant
- Credibility of the proposed approach
- Ambition of the proposed work, innovation potential, progress beyond the state of start – novel concepts

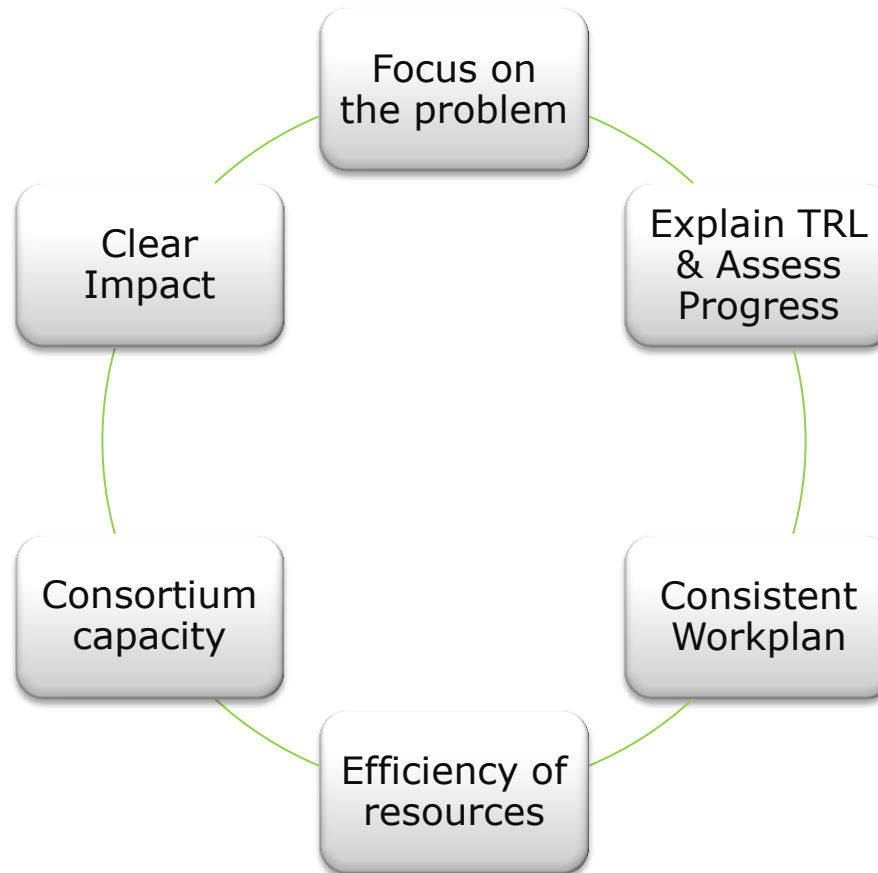
## Impact

- The expected impacts listed in the work programme
- Enhancing innovation capacity and integration of new knowledge
- Developing innovations meeting needs of European & global markets
- Effectiveness of proposed measures to exploit & disseminate results
- Environmental and socially important impacts

## Quality & efficiency of the Implementation

- Coherence & effectiveness of the work plan
- Complementarity of the participants within the consortium
- Appropriateness of the management structures and procedures, including risk and innovation management

# Critical Factors





# Eligibility Criteria

Type of Action	Conditions
Research and Innovation Action & Innovation Action	At least three legal entities independent of each other and each established in a different Member State or an Associated Country
Coordination and Support Action	One legal entity established in a Member State or in an Associated Country
For ERC, SME instrument, Training and Mobility actions*	One legal entity established in a Member State or in an Associated Country

\* Check Conditions of the Specific WP

# Evaluation form for Excellence

## 1. Excellence

*Note: The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme:*

- **Clarity and pertinence of the objectives;**
- **Credibility of the proposed approach;**
- **Soundness of the concept, including trans-disciplinary considerations, where relevant;**
- **Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches).**

Comments:

**Score 1:**  
*Threshold 3/5*

# Evaluation of Impact

## 2. Impact

*Note: The following aspects will be taken into account, to the extent to which the outputs of the project should contribute at the European and/or International level:*

- **The expected impacts listed in the work programme under the relevant topic;**
- Enhancing innovation capacity and integration of new knowledge;
- Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets, and where relevant, by delivering such innovations to the markets;
- Any other environmental and socially important impacts;
- Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant.

Comments:

**Score 2:**  
*Threshold 3/5*

# Evaluation of Implementation

## 3. Quality and efficiency of the implementation\*

*Note: The following aspects will be taken into account:*

- Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources;
- Complementarity of the participants within the consortium (when relevant);
- Appropriateness of the management structures and procedures, including risk and innovation management.

Comments:

**Score 3:**  
*Threshold 3/5*

**Total score (1+2+3)**  
*Threshold 10/15*

# Examples of rating

	Threshold	Maximum
Excellence	3	5
Impact	3	5
Implementation	3	5

Total = Excellence + Impact + Implementation

- In total the Threshold is 10 and the maximum 15
- In 2-stage proposals the threshold is 4;

## Thank you



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**Author(s):** Can run onto two lines at a maximum.

**Organisation Name(s):** Can run onto two lines at a maximum

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