

HORIZON 2020

Opportunities for participation in Horizon 2020 calls



INCREASING INTERNATIONAL STI COOPERATION BETWEEN **BRAZIL** AND THE **EUROPEAN UNION**

Horizon 2020 Introduction Presentation



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HORIZON 2020

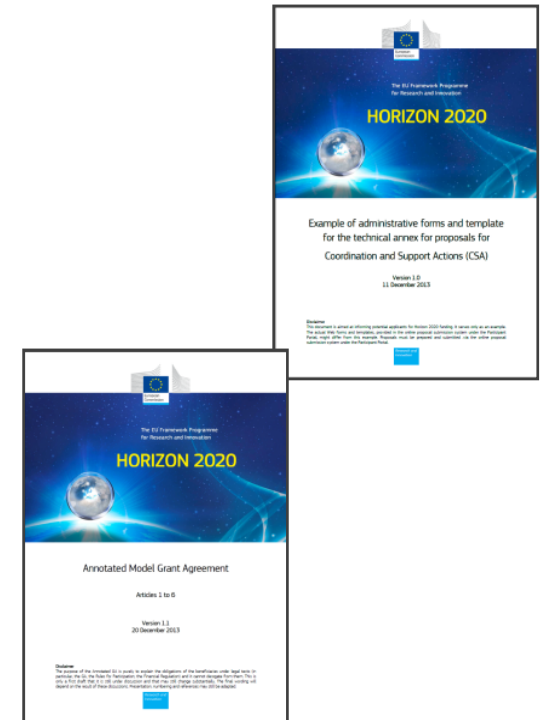
*Excellent Science
Global Challenges
Competitive Industries*

Open to the world!

HORIZON 2020

Before you start... key documents

- **Work Programme:** background, topics and budgets
- **General annexes to the general Work Programme:** list of countries, eligibility and admissibility conditions, evaluation criteria and procedure, scoring and thresholds, etc.
- **Submission forms and templates:** essential forms and guides to draw up and submit your proposal
- Guide to the submission and evaluation process



Working with the right documents

“Good to have”- Documents

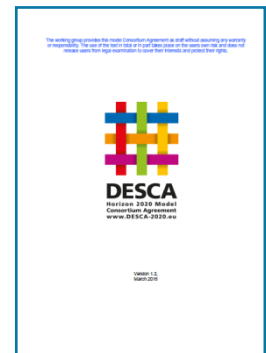
Annotated Model Grant Agreement

- Eligible costs
- Management of IPR
- Open Access, Ethics
- Many examples and best practice solutions



Desca Model Consortium Agreement

- Governance structure of the project
- Dissemination and access rights to results
- Version with „elucidation notes“ and explanations available



H2020:

EC GLOSSARY

http://ec.europa.eu/research/participants/portal/desktop/en/support/reference_terms.html

IPR HELPDESK: <https://www.iprhelpdesk.eu/glossary/a>

GENERAL PM TERMINOLOGY:

<https://www.smartsheet.com/complete-glossary-project-management-terminology>

Information about administrative issues

Awareness about the legal, administrative and financial requirements

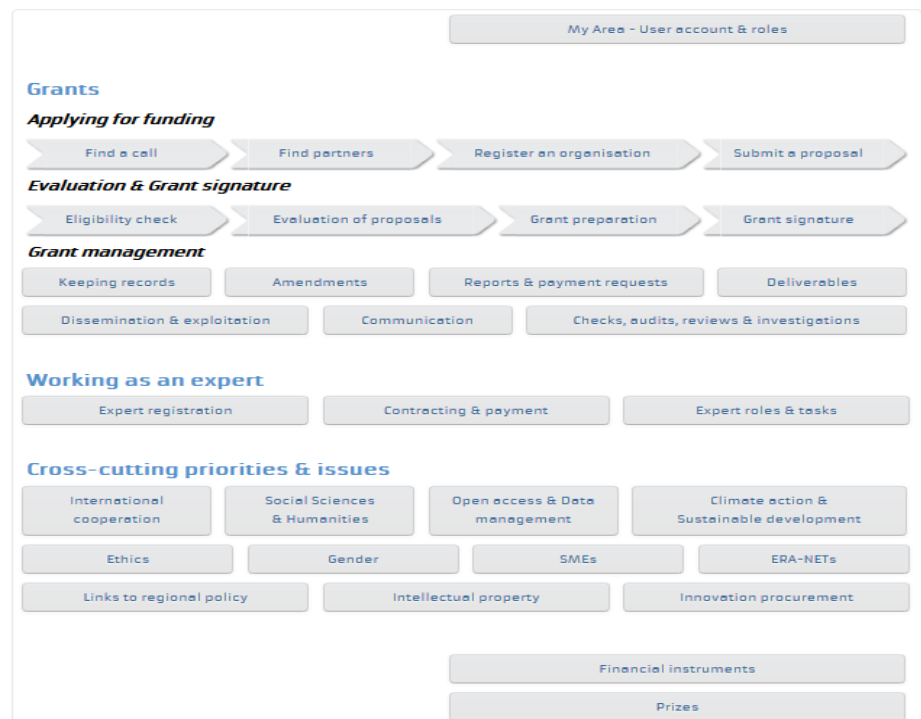
– H2020 Funding Guide



EUROPEAN COMMISSION
Directorate-General for Research & Innovation

Grants Manual - Section on:
Proposal submission and evaluation
(sections III.5, III.6, IV.1, IV.2)

Version 1.4
28 May 2015



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

Horizon 2020 Structure

EXCELLENT SCIENCE

- European Research Council
- Future and Emerging Technologies (FET)
- Marie Skłodowska-Curie research grant scheme
- Research Infrastructures

INDUSTRIAL LEADERSHIP

- ICT
- Key Enabling Technologies (KETs):
 - Microelectronics
 - Photonics
 - Nanotechnologies
 - Advanced materials
 - Production systems
 - Biotechnologies
- Space
- Innovation in Small and Medium Enterprises (SMEs)
- Access to Risk Finance

SOCIETAL CHALLENGES

- Health, wellbeing and aging
- Food security, bioeconomy, ...
- Safe, clean, efficient energy
- Intelligent, green, integrated transportation
- Climate, environment, raw materials
- Inclusive, innovative society, capable of reflection
- Security

Spreading of best practices and widening participation

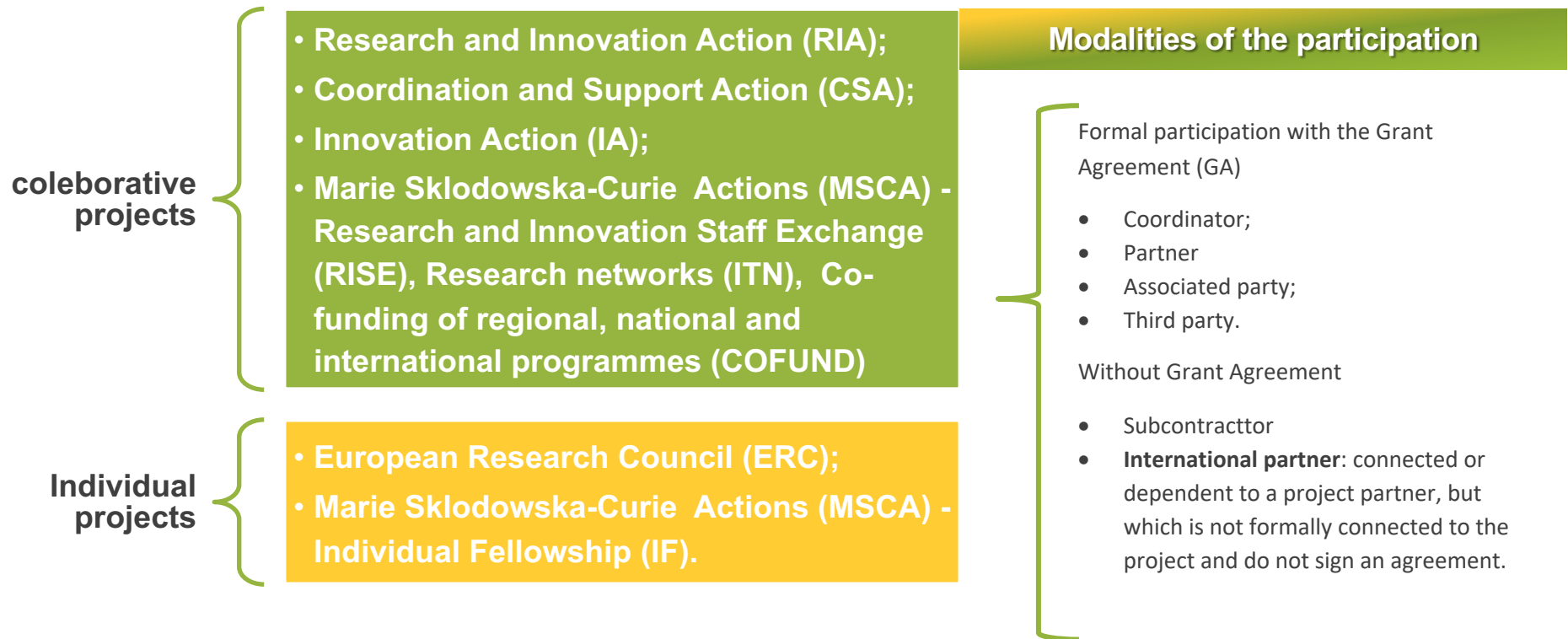
Science with and for Society

European Institute of Innovation and Technology (EIT)

Joint Research Centre (JRC)

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Types of Actions/ Projects

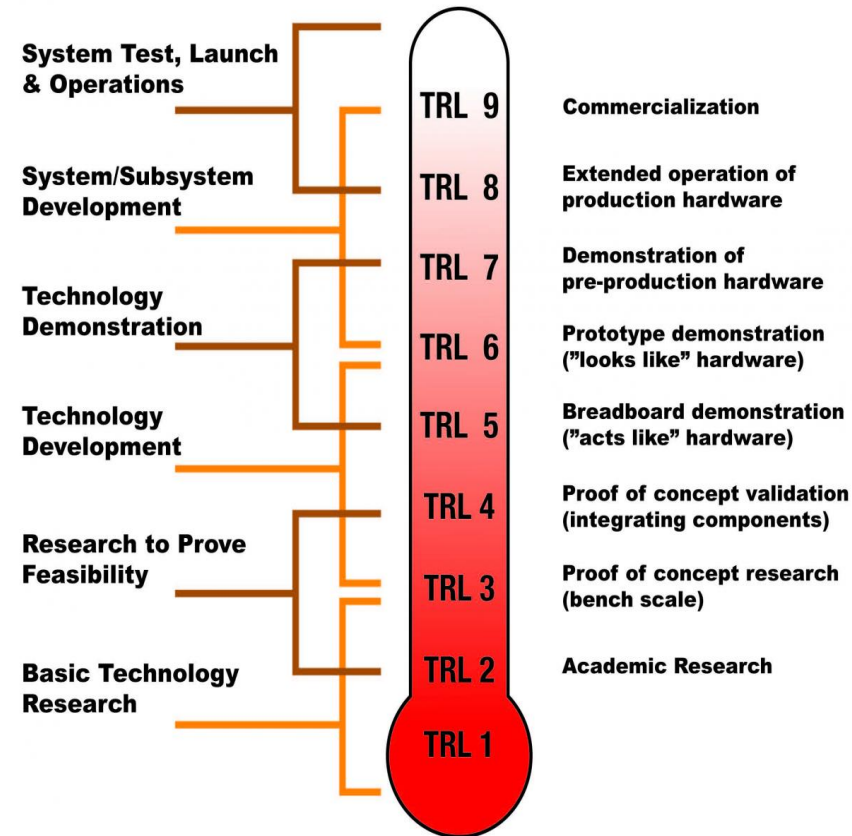


Main types of Actions/ projects in Horizon 2020

Research and Innovation Actions (RIA)	<p><u>=>What?</u> Funding available for collaborative research projects tackling clearly defined challenges which can lead to the development of new knowledge or new technology.</p> <p><u>=>Who?</u> Consortia of partners from different countries, industry and academia. Min. 3 legal entities established in 3 Member States or Associated Countries.</p>
Innovation Actions (IA)	<p><u>=>What?</u> Funding available for closer-to-the-market activities including prototyping, testing, demonstrating, piloting, scaling-up etc. for new or improved products, processes or services.</p> <p><u>=>Who?</u> Consortia of partners from different countries, industry and academia. Min. 3 legal entities established in 3 Member States or Associated Countries.</p>
Coordination and Support Action (CSA)	<p><u>What?</u> Funding available for actions consisting primarily of accompanying measures, such as the coordination and networking of research and innovation projects, programmes and policies (e.g. training, dissemination, exploitation, standardization, policy dialogues, etc.). Funding for research and innovation per se not covered.</p> <p><u>Who?</u> Single entities or consortia of partners from different countries, industry and academia. Min. 1 legal entity established in 1 Member State or Associated Country.</p>

Technology Readiness Levels (TRLs)

- ✓ The TRL is a **new dimension in Horizon 2020**.
- ✓ Many of the call topics have a defined TRL at which the implementation of the proposal is intended to start, as well as a target TRL.
- ✓ The use of Technology Readiness Levels (TRLs) as a measurement of the maturity level of particular technologies is a new development in Horizon 2020.
- ✓ This measurement system provides a common understanding of technology status and addresses the entire innovation chain.
- ✓ By evaluating a technology project against the parameters for each Technology Readiness Level one can assign a TRL rating to the project based on its stage of progress.
- ✓ There are nine technology readiness levels; TRL 1 being the lowest and TRL 9 the highest.



Cross-cutting issues

- **Cross-cutting issues are fully integrated in the work programme (WP):**
 - **Social Sciences and Humanities** (SSH) are integrated across all Horizon 2020 activities to successfully address European challenges
 - **Gender dimension in the content of R&I** - a question on the relevance of sex/gender analysis is included in proposal templates
 - **The new strategic approach to international cooperation** consists of a general opening of the WP and targeted activities across all relevant Horizon 2020 parts
 - **Other cross-cutting issues** such as science education, open access to scientific publications, ethics, standardisation, climate and sustainable development ... may also be included in the WP
 - You need also to take into account cross-cutting issues if explicitly mentioned under the scope or expected impact of the call or topic
 - A successful proposal is expected to include the above elements, or convincingly explain why not relevant in a particular case

Horizon 2020 funding rates

- Basic funding rates/direct costs:

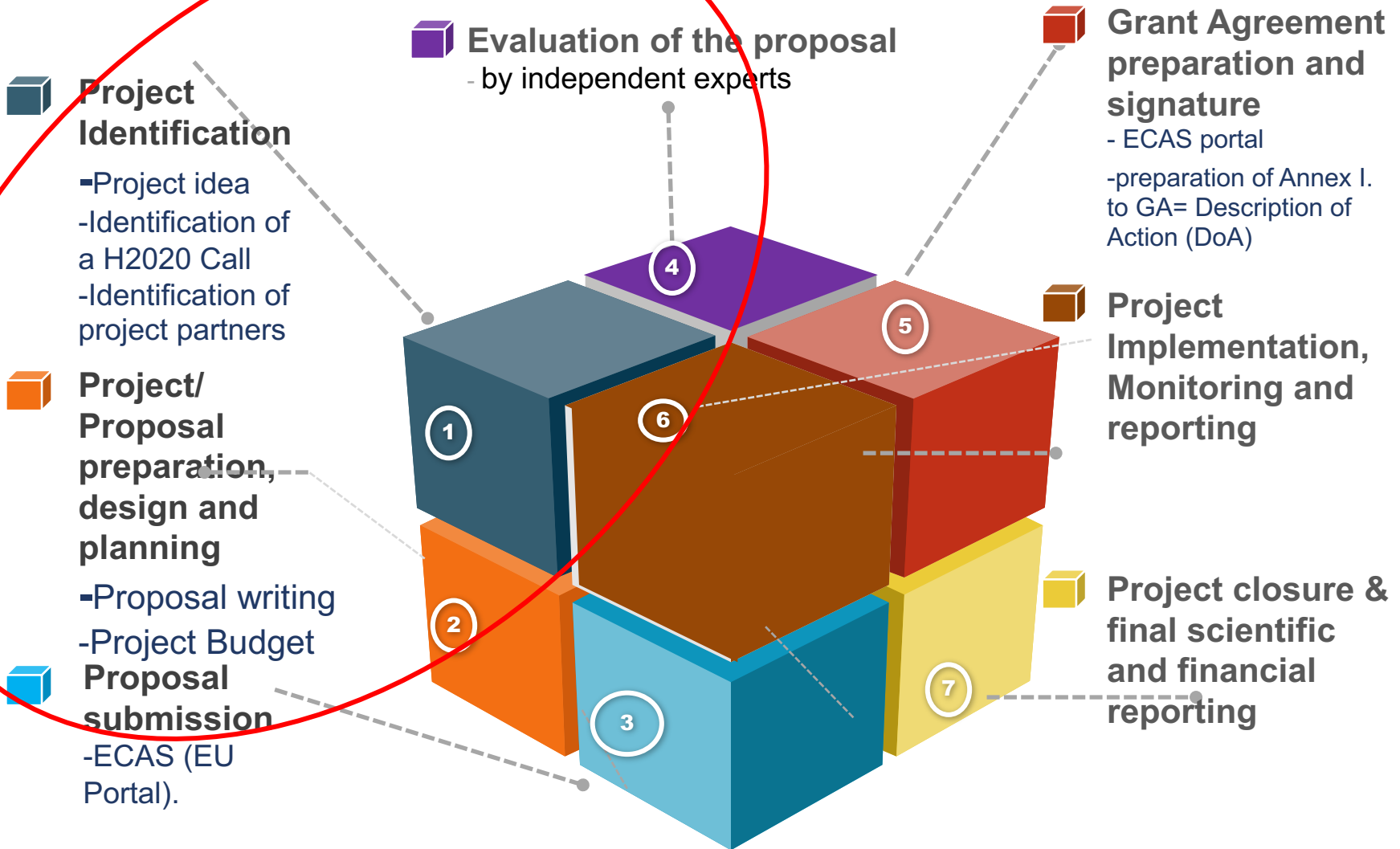
- 100% for Research and Innovation
- 70% for Innovation/close-to-market

=> Actual costs, directly linked to the implementation of the project
(examples: personnel costs, travel costs, other costs (services and goods), subcontracting...)

- Indirect costs: 25% flat-rate

= Flat-rate for indirect costs/overhead costs

PM Cycle in H2020 projects - Extended



01. Project Idea

Project idea → concept with high innovation potential



Innovation in H2020 → means successful exploitation of new ideas to produce tangible benefits



RELEVANT

Idea

Approach

Partners

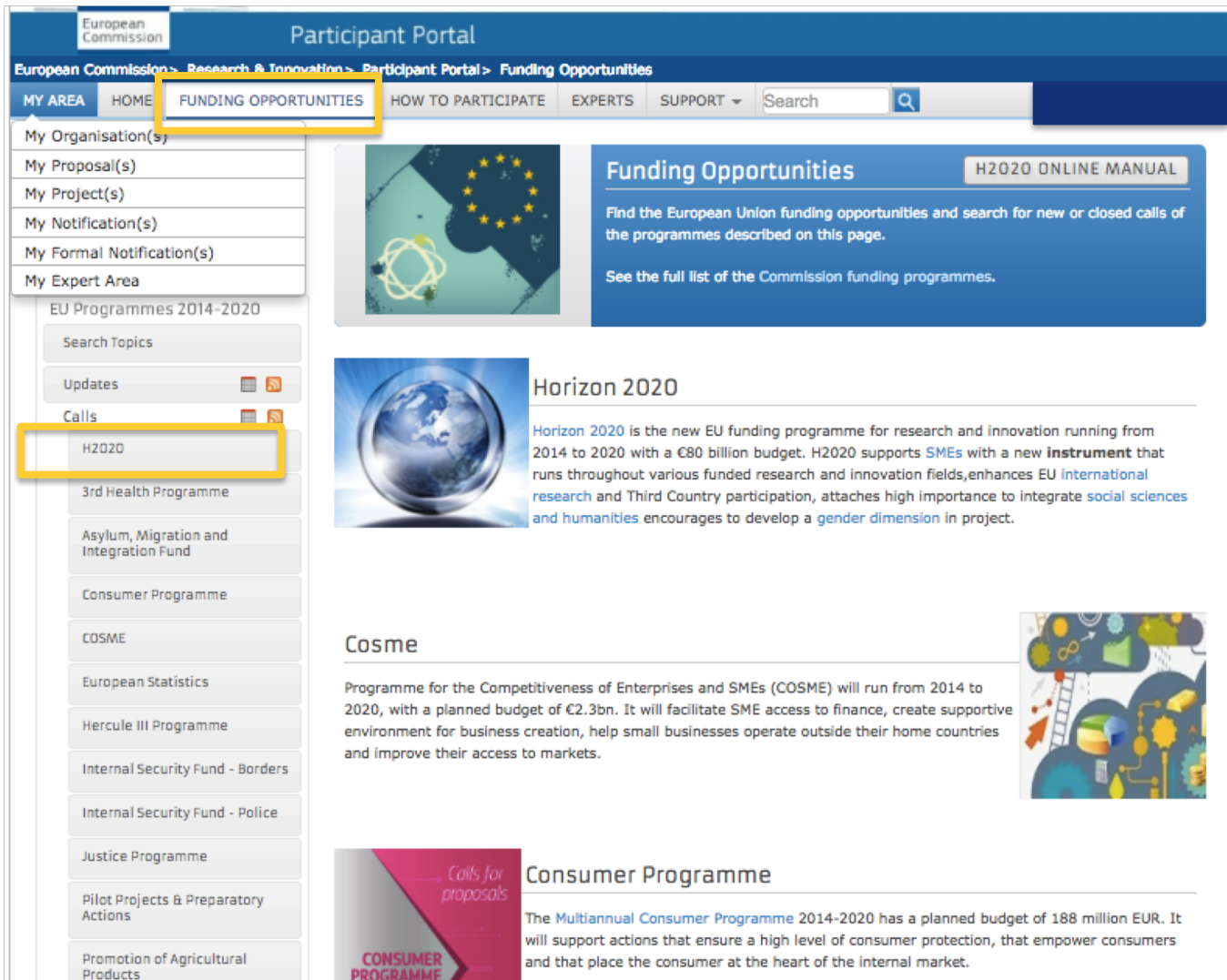


Realisation of the call and work
programme's objectives

- ☞ What **kind of project** will I implement? (scope, limits, objectives, expected impact)
- ☞ What will I do with the **results**? (exploitation, dissemination, knowledge transfer)
- ☞ **With whom** will I implement this project? Who does what? (consortium, respective tasks, responsibilities)
- ☞ **Why** should my project be funded by the EC? (European added value)
- ☞ **How** will I successfully carry it to term? (resources, management, methodology)
- ☞ **How much will it cost**? What funding can I expect? (budget plan and EC contribution)
- ☞ Do I have my organization's **support**? (human and financial resources)

How to find funding for your research idea?

Participant Portal – search for the funding opportunities



European Commission Participant Portal

European Commission > Research & Innovation > Participant Portal > Funding Opportunities

MY AREA HOME **FUNDING OPPORTUNITIES** HOW TO PARTICIPATE EXPERTS SUPPORT Search

My Organisation(s)
My Proposal(s)
My Project(s)
My Notification(s)
My Formal Notification(s)
My Expert Area

EU Programmes 2014-2020

Search Topics

Updates

Calls

H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

European Statistics

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

Funding Opportunities

[H2020 ONLINE MANUAL](#)

Find the European Union funding opportunities and search for new or closed calls of the programmes described on this page.

See the full list of the Commission funding programmes.

Horizon 2020

Horizon 2020 is the new EU funding programme for research and innovation running from 2014 to 2020 with a €80 billion budget. H2020 supports SMEs with a new instrument that runs throughout various funded research and innovation fields, enhances EU international research and Third Country participation, attaches high importance to integrate social sciences and humanities encourages to develop a gender dimension in project.

Cosme

Programme for the Competitiveness of Enterprises and SMEs (COSME) will run from 2014 to 2020, with a planned budget of €2.3bn. It will facilitate SME access to finance, create supportive environment for business creation, help small businesses operate outside their home countries and improve their access to markets.

Consumer Programme

The Multiannual Consumer Programme 2014-2020 has a planned budget of 188 million EUR. It will support actions that ensure a high level of consumer protection, that empower consumers and that place the consumer at the heart of the internal market.

Horizon 2020

Online Partner search databases

Bilateral contacts

Bilateral projects

Young researchers

Brokerage events

International conferences/ workshops



Existing projects

Other bilateral projects

Other grants, call for
papers

Roles of project participants

- Each of the project partners can have different roles.
- Roles are defined in the project workplan description
- Roles:
 - Work package leader
 - Task leader
 - Activity leader
 - Task participant...

Boundary conditions for the partner search

- **Consider which competences / partners** (type of institutions, expertise, origin) you need to fulfill all the objectives / carry out all activities
- **Consider how many partners you can “afford”** with the available budget
- **Consider to present a project with balanced participation from different regions**
- **Consider that each partner should have a dedicated position in the consortium but at the same time that you might want to have more than one partner covering a “key” expertise** (risk mitigation in case one partner has problems to deliver)

A balanced consortium

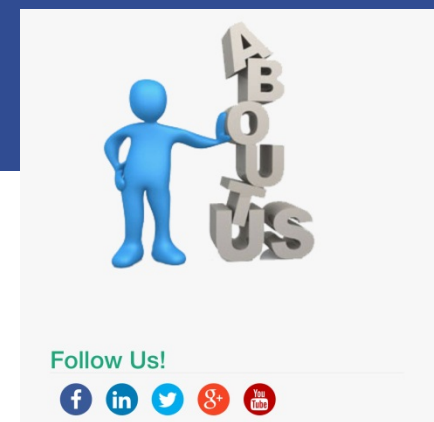
- Depends on the instrument (CSA, RIA, etc.)
- Excellent research
 - Science and technology partners (multidisciplinarity, complementarity)
- Sound implementation
 - Dedicated partners with expertise to develop, test, validate; users of technology; pilot sites, demonstration, excellent management
- High impact
 - Partners with experience and expertise to exploit the knowledge generated, disseminate results, etc. (multipliers)

Profile of your institution/organisation/company

2 PAGES ONLY!

Provide targeted information about your institution:

- ✓ a **description of the your institution and your competences** with an explanation of how its profile matches the tasks in the proposal (**half page limit**)
- ✓ **CVs** of the persons, including their gender, who will be primarily responsible for carrying out the proposed research and/or innovation activities; (**6 lines maximum**)
- ✓ a **list of up to 5 relevant publications, and/or products, services** or other achievements relevant to the call content;
- ✓ a **list of up to 5 relevant previous projects or activities**, connected to the subject of this proposal;
- ✓ a description of any **significant infrastructure and/or any major items of technical equipment, relevant to the proposed work**;
- ✓ **Include your logo**
- ✓ **Contact details of your institutions (Name in English/national language, Acronym/ PIC number, full address, contact details (including email, phone...))**



Finding the partners

- Use existing contacts with experience of EU funding programs
- Use Partner Search facility on the Horizon 2020 Participant Portal website:
http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/applying-forfunding/find-partners_en.htm
- Search the CORDIS database for participants similar projects in FP7/H2020:
http://cordis.europa.eu/projects/home_en.html
- Use social media (e.g. LinkedIn forums)

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Partners Search – Online database



- Bilateral contacts
- Bilateral projects
- Young researchers
- Brokerage events
- International conferences/workshops

<https://cordis.europa.eu/partners/web/guest>

ec.europa.eu

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

RESEARCH & INNOVATION

Participant Portal

& Innovation > Participant Portal > Partner Search

OPPORTUNITIES HOW TO PARTICIPATE PROJECTS & RESULTS EXPERTS SUPPORT LOGIN REGISTER

Partner Search

Find partners for your project ideas among the organisations registered in the portal Participant Register. Enter a keyword or a topic of a past call for proposals, for finding related organisations. Search by geographical criteria or by types of organisation. Search by call topics where organisations have participated or expressed interest in participating in the future.

WARNING: Any use of the Participant Portal for a commercial purpose is forbidden. Any misuse of the Participant Portal will lead to the refusal of access to the Participant Portal.

Involvement of the organisation in EU funded programmes

Keyword(s)
enter (a) keyword(s)

Topic
enter a Topic

Call
enter a Call

Programme
-

Organisation details

Organisation name
enter an organisation name

Organisation type
-

Country
-

City
enter City

PIC
enter PIC number, e.g. 98765432

Captcha code
2kb82

Fill the captcha

SEARCH CLEAR

HORIZON 2020 RESEARCH ON EUROPA HORIZON 2020 & FP7 PROJECTS & RESULTS OLAF

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CORDIS

Community Research and Development Information Service

European Commission > CORDIS > Projects & Results Service > Home

Search

 Sign in



NEWS & EVENTS

PROJECTS & RESULTS

RESEARCH*EU MAGAZINES

PARTNERS

Browse by:

▶ Subject

▶ Programme

▶ Content type

▶ Country

Advanced search

The primary information source for EU-funded projects since 1990

The **Projects & Results Service** is your one stop for information on EU-funded research projects and project results.

[Read more...](#)

Horizon 2020 project information is [available on CORDIS](#) and the [EU Open Data Portal](#).

Search projects and results

Free text



http://cordis.europa.eu/projects/home_en.html

Marie Sklodowska-Curie Actions

Net4Mobility: <http://www.net4mobility.eu/>

Research Infrastructures

RICH: <http://www.rich2020.eu>

Information and Communication Technologies

IDEALIST: <http://www.ideal-ist.eu/>

Nanotechnologies, advanced materials, advanced manufacturing and processing, biotechnology

NMP TeAm 3 <http://www.nmpteam.com/>

Innovation in SMEs, Access to Risk Finance

ACCESS4SMES <http://www.access4smes.eu/>

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Societal Challenge 1: Health, Demographic Change and Wellbeing

Health NCP Net 2.0 (HNN 2.0) <http://www.healthncp.net/health-ncp-net-hnn-20>

Societal Challenge 2: Food Security, Sustainable Agriculture and Forestry, Marine, Maritime and Inland Water Research and the Bioeconomy

BioHorizon: a network of BIO NCPs. <http://www.ncp-biohorizon.net/>

Societal Challenge 3: Secure, clean and efficient energy

C-ENERGY 2020 : <http://www.c-energy2020.eu/>

Societal Challenge 4: Smart, Green and Integrated Transport

ETNA Plus : <http://www.transport-ncps.net/>

Societal Challenge 5: Climate action, environment, resource efficiency and raw materials

NCP CaRe: <http://www.ncps-care.eu/>

Societal Challenge 6: Europe in a changing world: inclusive, innovative and reflective societies

Net4Society: <http://www.net4society.eu/>

Societal Challenge 7: Secure societies - protecting freedom and security of Europe and its citizens

SEREN3: <http://www.seren-project.eu/>

Science with and for Society

SiS Net : <http://www.sisnetwork.eu/>

Contacting the partners

- Initial contact -> indication of interest
- Identify specific contact person
- Provide summary of the project
- Request description of their activities and background related to the proposal topic, information about experiences / track-record, unit costs for budget planning, administrative information (PIC, etc.)

DECONSTRUCTING THE CALL

Deconstructing a call text

- **Specific Challenge:** introduces the problem/question at stake
- **Scope:** presents what exactly is expected to be done
- **Expected impacts:** lists what is supposed to be achieved
- **Objectives => Specific challenge**
- **Relation to the work programme => Scope**
- **Concept and approach => TRL, (inter)national activities linked to the project,...**
- **Ambition=> beyond the state-of-the-art and innovation potential**