

European Funding Opportunities for US and International Researchers

Learning Objectives:

- Identify European funding possibilities
- Familiar with terms and conditions for participating
- Know the logistics involved in applying



Annedorte Vad

Manager CBS Research Support Office

- Background in Humanities
- 1995 I started my career in Research Management and Research Administration at University of Copenhagen
- Research Advisor in the Ministry of Science 2002-2007;
National Contact Point for the Commission on FP6, FP7 and other EU funding programmes
- Head hunted by CBS to build a central Research Support Office 2007
- Manager for the Research Support Office team 2014



Senior Research Adviser, Policy Adviser ,Copenhagen Business School

- Educational background in Political economy (DK /US)
- Former experience as fundraiser in multinational biotech organisation
- 16 years experience with EU programmes



Agenda

- Introduction to The European Research Area – ERA
- Overview of Horizon 2020
- Examples of the How to read:
 - H2020 Workprogrammes
 - H2020 call text
- Funding rules
- Registration and participation
- Templates
- Evaluation criteria
- Support offices

European Research Area (ERA)



European Research Area - and global research collaboration



What does the EU expect

EU expects:

- New knowledge or technology – "beyond state-of-the-art"
- Public private-cooperation
- Project results that support EU policy
- Trans-disciplinary projects with focus on the end-user

EU funds:

- Small scale projects
- Large scale pan European research projects
- Individual grants to excellent researchers
- Mobility grants to young and to experienced researchers

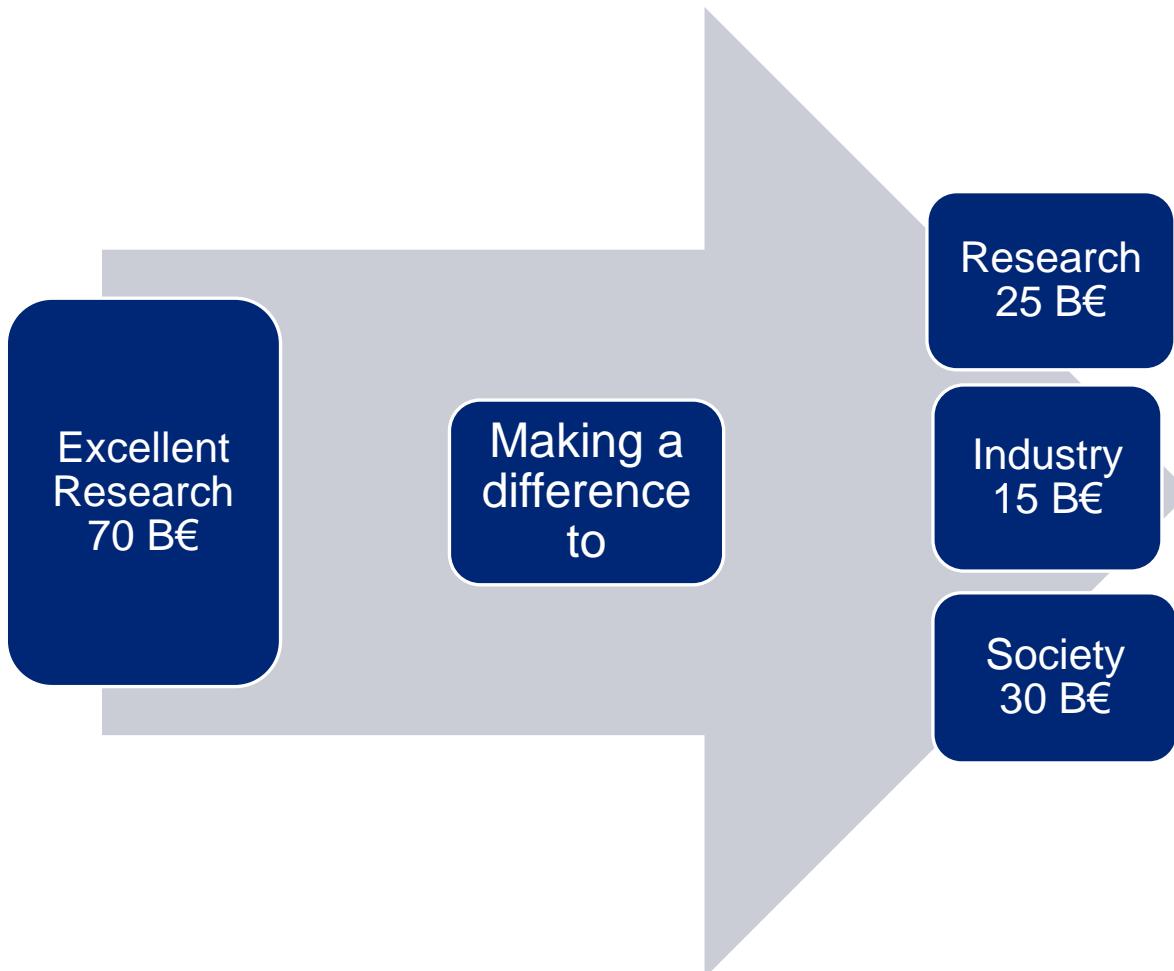
The European Research Funding Programme

H2020 is

- One single programme
- Coupling research to innovation, the full value chain from research to retail, and all forms of innovation.
- Focus on societal challenges, facing society, e.g. food security, clean energy and health issues.
- Simplified access, for all companies, universities, institutions in all EU countries and beyond.

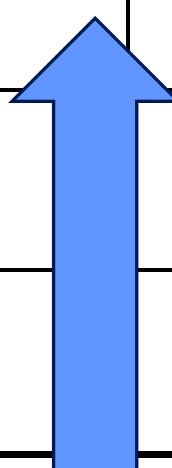
Basic logic of H2020

Excellence = Impact



Horizon 2020 calendar

H2020 calendar		2014	2015	2016	2017	2018	2019	2020
Scoping papers								
Work programme 1		Scoping papers						
	Work programme 2		Scoping papers					
				Work programme 3				
					Work programme 4			



H2020 elements

EXCELLENT SCIENCE

European Research Council
ERC

Future and Emerging Technologies
FET

Marie Curie actions

Research Infrastructures

32%

Other programmes 7%

INDUSTRIAL LEADERSHIP

Leadership in enabling and industrial technologies

Access to risk finance

Innovation in SMEs

22%

**Total budget
€70 billion
= 88,5 billion \$**

SOCIETAL CHALLENGES

Health, demographic change and well-being

Food security, sustainable agriculture, marine and water research

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, resource efficiency and (...)

Inclusive, innovative and reflective societies

Secure Societies – Protecting freedom and security of Europe and its citizens

39%



SOCIETAL CHALLENGES

Health, demographic change and well-being

**Food security, sustainable agriculture
forestry, maritime and water research**

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, resource efficiency, raw mat.

Inclusive, innovative and reflective societies

**Secure Societies – Protecting freedom and
security of Europe and its citizens**

Excellent science, pillar 1

EXCELLENT SCIENCE



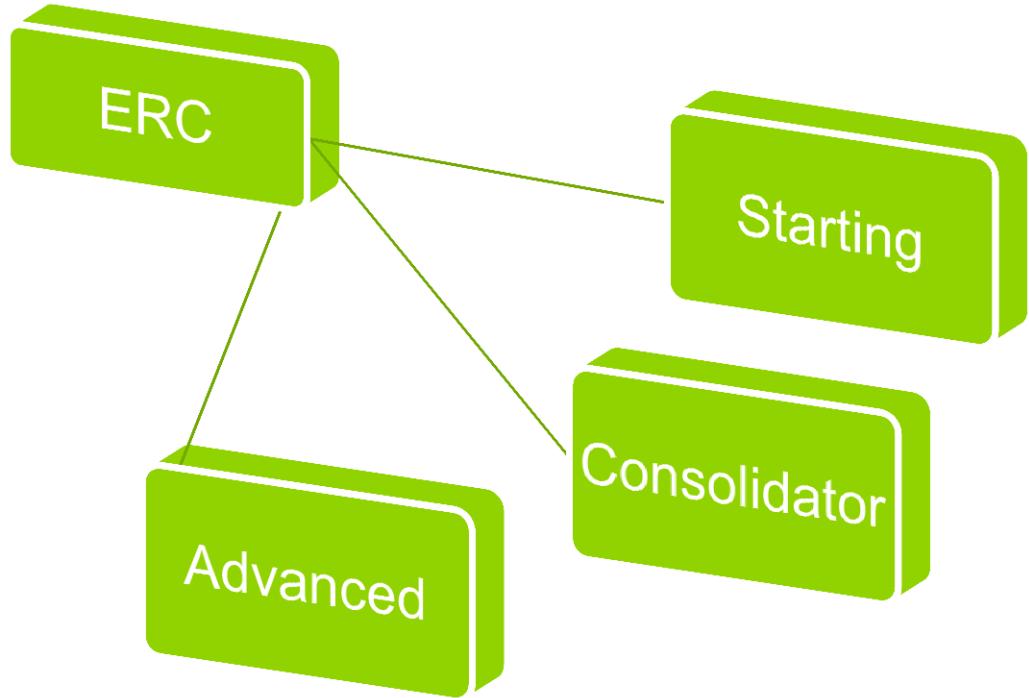
**European Research Council
ERC**

**Future and Emerging
Technologies
FET**

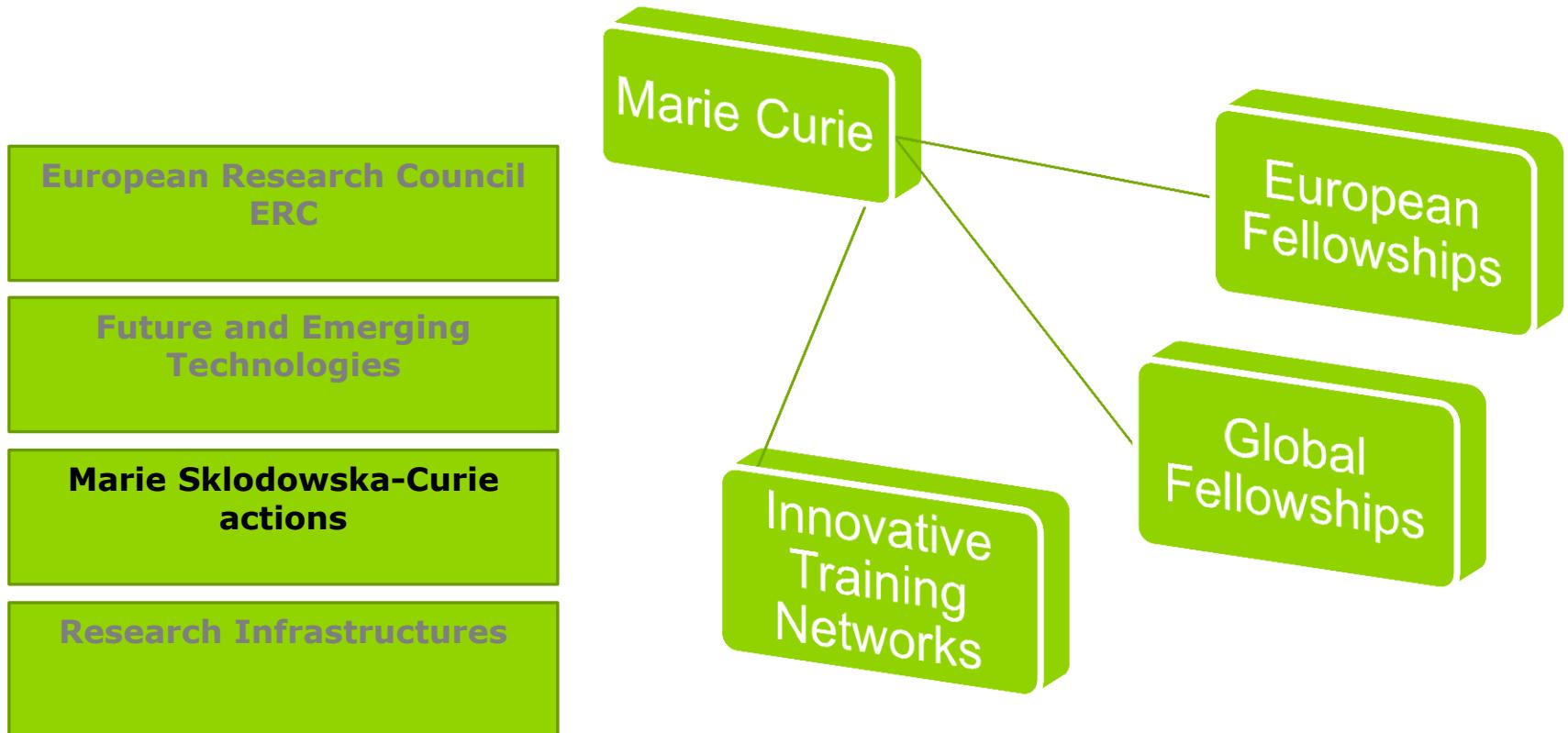
**Marie
Curie actions**

Research Infrastructures

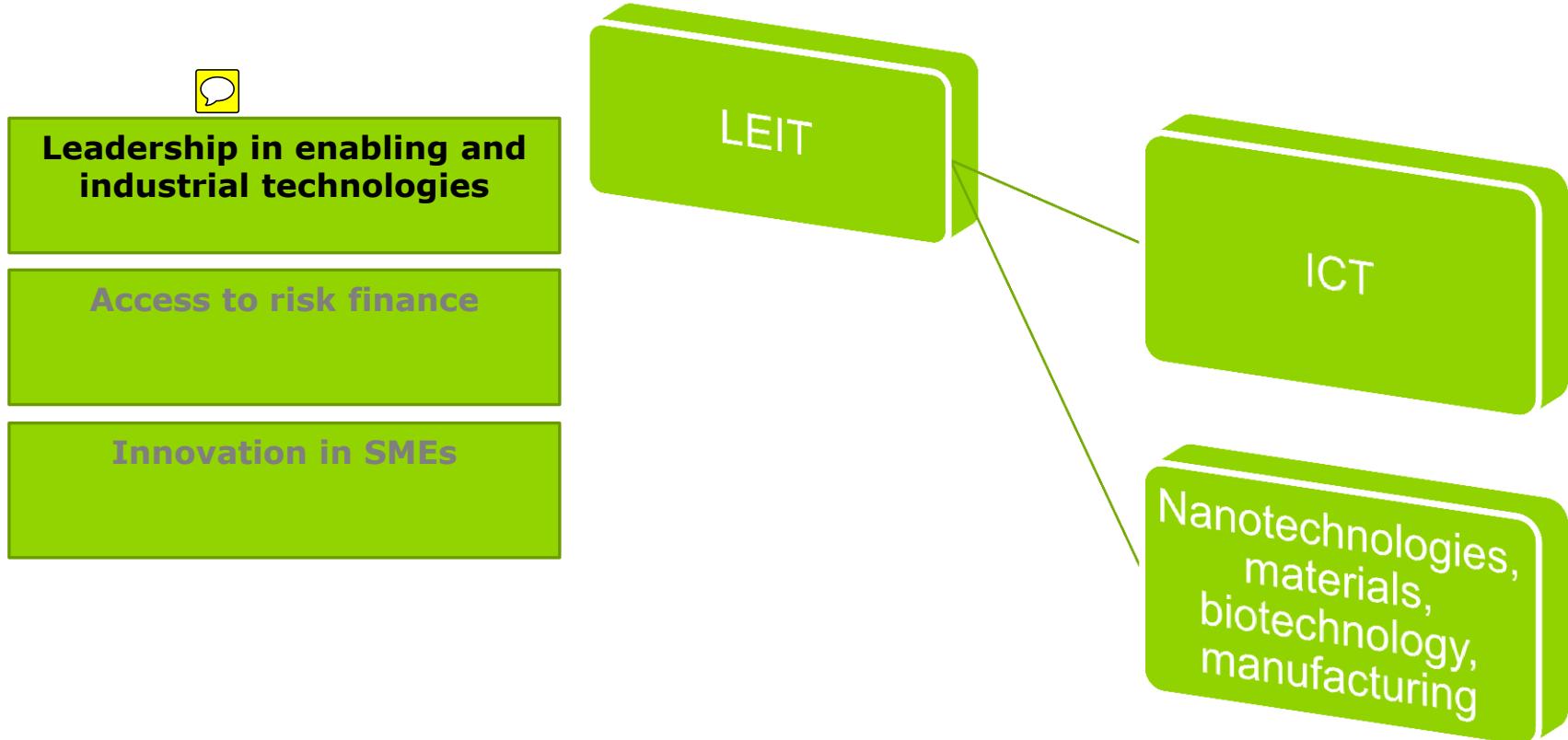
Excellent Science - ERC



Excellent Science – Marie Curie fellowships



Industrial leadership, pillar 2



Understand a Work Programme

EN

HORIZON 2020 WORK PROGRAMME

8. Health, demographic change and well-being

Revised

This Work Programme was adopted on 10 December 2013. It replaces the Work Programme for the years 2014 and 2015 (topics, dates, budget) have, with this revised part, been updated. The details relating to this revised part are explained on the following pages.

(European Commission Decision C (2013) 1000 of 10 December 2013)

HORIZON 2020 – WORK PROGRAMME

Health, demographic change and well-being

Introduction

The Horizon 2020 societal challenge of 'health, demographic change and well-being' for the years 2014 and 2015 includes 34 topics in the area call (15 in 2014 only, 17 in 2015 only and 2 which are cross-cutting). In the 'co-ordination activities' call (11 in 2014 and 5 in 2015), 10 topics support the implementation of the challenge and 2 are competitive calls for proposals. The total budget available is €11.5 billion.

The choice to focus on personalising health and care is based on the fact that the European population, an increasing communicable disease burden, and the fall-out from the economic crisis. In combination, these factors pose a significant challenge to the sustainability and equity of European health and care systems. The EU spends nearly 10% GDP on health.

The personalising health and care call aims to create the conditions for research and radical innovation in response to these challenges. It will bring together findings into the clinic and other health and care settings to reduce health inequalities and to promote active and healthy ageing.

Topics in the call are divided into 7 areas which represent an integrated approach to the challenge, providing support as well as to shorter term innovation activities. Topics include 'improved health information and data exploitation', 'support to topics in the areas of 'prevention...'', 'diagnosis and healthy ageing' and 'delivering integrated, sustainable health services'.

Taken together, work to be supported by these topics will address causes and mechanisms underlying health, healthy ageing, monitor health and to prevent, detect, treat and manage diseases, remain active and healthy, and test and demonstrate new delivery. In doing so, support will be provided to innovation, including significant, tailored support to small and medium-sized enterprises through topic PHC 12 which makes use of the new SME instrument.

Societal challenge 1 is also implemented by the continuation of activities not included in this work programme, the implementation of European and developing countries clinical trials part of the European Clinical Trials Directive.

¹ http://www.imi.europa.eu/content/documents#horizon_2020

² http://www.edctp.org/Towards_EDCTP2.799.0.html

PART 8 - Page 5 of 103

HORIZON 2020 – WORK PROGRAMME 2014–2015

Health, demographic change and well-being

PHC 33 – 2015: New approaches to improve predictive human safety testing

Specific challenge: Current approaches assessing the safety of chemical substances in humans are expensive and time consuming, and may be of limited relevance as a predictor of adverse effects. Better approaches are needed both to improve the efficiency of predictive toxicological testing to address key areas of concern for human health and to meet regulatory requirements (e.g. EU legislations on REACH, cosmetics, biocides). Safety testing is of worldwide concern and therefore international cooperation may be an important element in addressing the challenge.

Scope: Proposals should capitalise on advances in all relevant fields of science to understand complex biological pathways of toxicological relevance and to identify early markers predictive of toxicological effects in humans with the objectives of developing and validating routine, non-animal approaches for toxicity testing of chemical substances (excluding radiochemicals). The research may include the development of methodologies for confirmatory testing of mechanistic hypotheses to improve understanding of toxicity mechanisms.

Proposals should involve, amongst others, research communities, SMEs, industry and regulatory agencies as appropriate. Proposals should demonstrate efficient mechanisms for the co-ordination of activities and exchange of information, and should include a timeline for delivery of test methods.

In line with the Union's strategy for international cooperation¹⁹ in research and innovation, cooperation is encouraged with similar initiatives in the USA and elsewhere, and would be highly beneficial from scientific and economic standpoints.

Proposals could consider the involvement of the European Commission Joint Research Centre (JRC) as an added value in order to provide an effective interface between the research activities and regulatory aspects and/or to translate the research results into validated test methods and strategies fit for regulatory purpose. In that respect, the JRC will collaborate with any successful proposal.

Applicants are encouraged to seek during the life-time of the project additional support from various sectors in order to facilitate translational aspects.

The Commission considers that proposals requesting a contribution from the EU of between EUR 10 and 30 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

¹⁹ COM(2012)497

”Introduction” – an important source of information.

Introduction

The Horizon 2020 societal challenge of ‘health, demographic change and wellbeing’ (SC1) for the years 2014 and 2015 includes 34 topics in the ‘personalising health and care’ focus area call (15 in 2014 only, 17 in 2015 only and 2 which are open in both years) and 16 topics in the ‘co-ordination activities’ call (11 in 2014 and 5 in 2015). 8 other actions designed to support the implementation of the challenge are also included and are not subject to competitive calls for proposals. The total budget available is approximately EUR 1.21bn.

”Introduction” – an important source of information.

Introduction

The Horizon 2020 societal challenge of ‘health, demographic change and wellbeing’ (SC1) for the years 2014 and 2015 includes **34 topics in the ‘personalising health and care’ focus area call (15 in 2014 only, 17 in 2015 only and 2 which are open in both years)** and 16 topics in the ‘co-ordination activities’ call (11 in 2014 and 5 in 2015). 8 other actions designed to support the implementation of the challenge are also included and are not subject to competitive calls for proposals.

The total budget available is approximately EUR 1.21bn.

"Introduction" – an important source of information.

The choice to **focus on personalising health and care** is informed by the **ageing of the European population**, an **increasing communicable and non-communicable disease burden** and the fall-out from the **economic crisis**. In **combination**, these factors are jeopardising the **sustainability and equity** of European health and care systems, on which Europe already spends nearly 10% GDP.

"Introduction" – an important source of information.

The personalising health and care call aims to create opportunities for **real breakthrough research and radical innovation** in response to these challenges, by supporting the **translation of findings into the clinic and other health and care settings** to **improve** health outcomes, **reduce** health inequalities and to **promote** active and healthy ageing.

Topics in the call are divided into **7 areas** which reflect the need for a **translational** and **integrated** approach to the challenge, providing support both to **longer and mid-term research** as well as to **shorter term innovation activities**

PHC 33 – 2015: New approaches to improve predictive human safety testing

Specific challenge: Current approaches assessing the safety of chemical substances in humans are expensive and time consuming, and may be of limited relevance as a predictor of adverse effects. Better approaches are needed both to **improve the efficiency** of predictive toxicological testing to address **key areas of concern** for human health and to meet **regulatory requirements** (e.g. EU legislations on REACH, cosmetics, biocides). Safety testing is of worldwide concern and therefore **international cooperation may be an important element** in addressing the challenge.

The call text

Scope

Scope: Proposals **should** capitalise on advances in **all relevant fields of science** to understand complex biological pathways of toxicological relevance and to identify early markers predictive of toxicological effects in humans with the objectives of developing and validating routine, non-animal approaches for toxicity testing of chemical substances (excluding radio-chemicals). The research **may** include the development of methodologies for confirmatory testing of mechanistic hypotheses to improve understanding of toxicity mechanisms.

Proposals **should involve, amongst others, research communities, SMEs, industry and regulatory agencies as appropriate**. Proposals **should** demonstrate efficient mechanisms for the co-ordination of activities and exchange of information, and **should** include a timeline for delivery of test methods.

In line with the **Union's strategy for international cooperation** in research and innovation, cooperation is **encouraged** with similar initiatives in the USA and elsewhere, and **would** be highly beneficial from scientific and economic standpoints.

The call text Scope (2)

Proposals **could** consider the involvement of the European Commission Joint Research Centre (JRC) as an added value in order to provide an effective interface between the research activities and regulatory aspects and/or to translate the research results into validated test methods and strategies fit for regulatory purpose. In that respect, the JRC will collaborate with any successful proposal.

Applicants are **encouraged** to seek during the life-time of the project additional support from various sectors in order to facilitate translational aspects.

The Commission considers that proposals requesting a contribution from the EU of between **EUR 10 and 30 million** would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts

The call text

Expected impact

Expected impact:

- More effective, faster, cheaper toxicological testing to better predict human risk and meet regulatory needs.
- Improved toxicological knowledge to encourage ‘read across’ between chemical substances for use in different research and regulatory domains.
- Commercial exploitation of the developed toxicological testing methods and assessment approaches, products and services.
- Advancement of international co-operation in the field of predictive toxicology and human safety testing.
- Reduced use of laboratory animals in safety testing.

H2020 Funding for Internationals

EXCELLENT SCIENCE

European Research Council

Future and Emerging Technologies

Marie Skłodowska-Curie actions

Research Infrastructures

Move to/from Europe

INDUSTRIAL LEADERSHIP

Leadership in enabling and industrial technologies

Access to risk finance

Innovation in SMEs

Collaborate with Europe

SOCIETAL CHALLENGES

Health, demographic change and well-being

Food security, sustainable agriculture and forestry, marine and maritime and inland water research

Secure, clean and efficient energy

Smart, green and integrated transport

Climate action, resource efficiency and (...)

Inclusive, innovative and reflective societies

Secure Societies – Protecting freedom and security of Europe and its citizens

Rules of participation

Minimum Conditions must always be met

For actions aimed at individuals

(like European Research Council or Marie Curie actions) participants from any country in the world can be funded. Host institution must be placed in the European Research Area and the mobility criteria of the researcher must be met

- 1 researcher
- 1 host institution
- 1 project



For standard (collaborative) research projects

- 3 participants from different Member States or Associated Countries
- In addition, participants from any other country in the world can also be included

Participation open to all

Applicants from all countries are eligible to take part in Horizon 2020 programmes, even as a coordinator

In short everybody can participate – but not all will be funded

Applicants automatically eligible for funding:

- EU Member States and the Overseas Countries and Territories linked to Member States
- Countries associated to Horizon 2020
- Low or medium per-capita income or low GDP*
- International European interest organisations

Funding for applicants that are not automatically eligible possible if:

- stated in the Work Programme
- provided for under a bilateral scientific and technological agreement
- exceptionally, when the Commission deems participation of entity essential

How to participate

Create your personal account (ECAS account)

Register your organisation

Find a call

Find partners

Submit a proposal

Find documents

RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Funding

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT Search PP LOG IN

H2020 Online Manual
Reference Documents
Beneficiary Register
Financial Viability Self-Check
SME Participation

How to participate

The first steps to prepare your proposal and apply for EU research funding. Learn how to find a suitable Call for proposals or project partners and how to submit your proposal.

The following guidance services facilitate your participation:

- **H2020 Online Manual:** step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project
- **Reference documents:** library of legal documents, guidance notes, and additional reference material for H2020 and FP7
- search for already registered organisations and their PICs
- **Financial viability self-check tool** allows you simulating the financial viability check of your organisation
- **SME participation:** dedicated H2020 guidance page for SME

FIND a call FIND partners CREATE your account REGISTER your organisation SUBMIT a proposal

Register your organisation

The ECAS Prerequisite

(the European Commission's user Authentication Service):

- ECAS enables authorised users to log in to a wide range of Commission information systems, using a single username and password
- You must have an ECAS account to be able to start the initial registration procedure
- A **LEAR** (Legal Entity Appointed Representative) must have an ECAS account in order to manage organisation data.

Register your organisation

To participate in H2020 you need a **PIC** (Participant Identification Code). You get this by registering your organisation with the Commission (this is only needed to do once)

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

How to find a call

The participant portal is your entry to **all** the information you need

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

Relevant documents

- Call for proposal
- Work Programmes
- Annexes
- Proposal template (mandatory)

Information

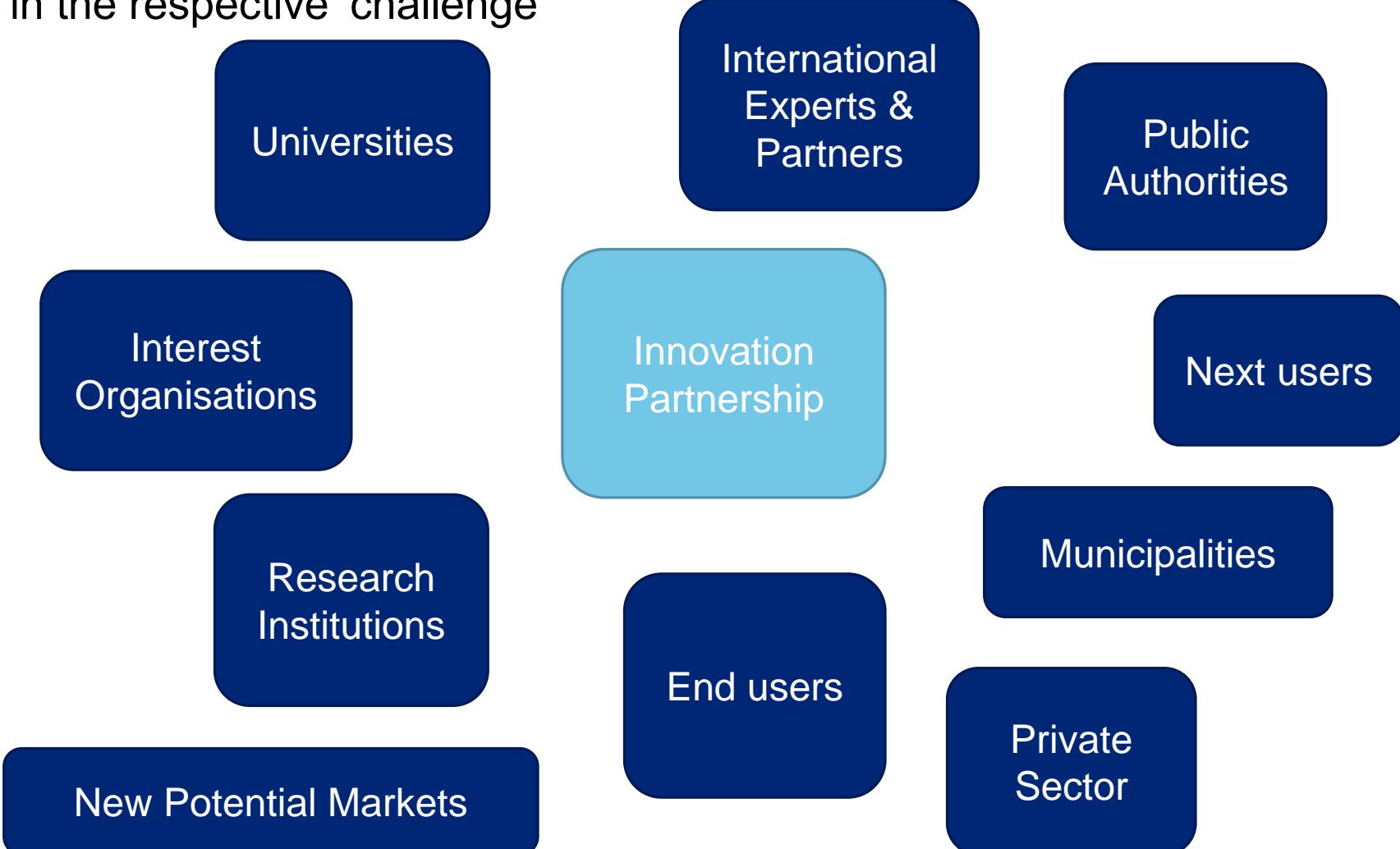
- Manuals
- Registration of beneficiaries
- Reference documents
- Financial viability self check

Login for project participants

The screenshot shows the homepage of the European Commission Research & Innovation Participant Portal. At the top, there's a logo for the European Commission and a banner for 'RESEARCH & INNOVATION Participant Portal'. Below the banner, a navigation bar includes links for 'HOME', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE', 'EXPERTS', 'SUPPORT', a search bar, and user account links for 'LOGIN' and 'REGISTER'. A large blue banner in the center promotes 'Horizon 2020 Funding Starting from 1/1/2014'. Below this, text explains that users can find funding for various EU programmes, specifically listing '2014-2020 Horizon 2020 - research and innovation framework programme', '2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP)', and 'Research Fund for Coal & Steel, COSME, 3rd Health Programme, Consumer Programme'. Two columns below provide information for 'Non-registered users' and 'Registered users', each with a list of actions. At the bottom, there are six cards with icons: 'WHAT'S NEW?' (showing network and 'NEW'), 'FUNDING OPPORTUNITIES' (showing a globe and atom), 'HOW TO PARTICIPATE' (showing a pencil and chart), 'WORK AS AN EXPERT' (showing a head silhouette with brain), 'MY PERSONAL AREA' (showing a coffee cup and charts), and 'INFORMATION AND SUPPORT' (showing a person with a headset). The footer includes links for 'HORIZON 2020', 'RESEARCH ON EUROPA', 'CORDIS', 'OLAF', and '© European Communities'.

Innovation Partnership

The specific composition of individual partnerships is thoroughly described in the respective 'challenge'



Find partners

Always use your own network first – followed by using your network's network
.... and then use the *Partner Search* databases if you still need one or two partners

If you are not yet networked into the ERA, you could consider making a profile with your *Partner Offer* (description of your expertise and interests) in one of the online databases

[CORDIS Partner Service](#)

one of the largest databases of partner profiles (self-registered profiles)

[Idealist Partner Search](#)

Developed by the ICT NCPs network, but the partner profiles are not limited only to ICT. The service includes advice on creating your profile by your local NCP and there is a quality control of all the published data.

[Partner Search of Nanosciences and nanotechnologies, Materials and new Production technologies \(NMP\)](#)

The NMP TeAm Partner Search Facility has been established by the network on NMP NCPs in order to offer best support to its clients. This web service is strictly focused on the open calls for proposals of the key enabling technologies in the NMP area

[Fit for Health](#)

Developed by the Fit for Health network in close cooperation with the Health-NCPs. The quality checked database contains expertise profiles of researchers and SMEs acting in the Health / Life sciences sector. The service includes partner search activities advice on all aspects related to a research project, starting with help in first orientation and strategy development to proposal preparation, implementation, exploitation and promotion.

[IMI Partner Search](#)

Recent partner search service provided by the Innovative Medicines Initiative Joint Undertaking (IMI JU) for organisations interested in the development of new medicines. IMI supports collaborative research projects and builds networks of industrial and academic experts to boost pharmaceutical innovation. There are also opportunities for SMEs, such as innovative biotech enterprises.

[Enterprise Europe Network Cooperation Opportunities Database](#)

The Enterprise Europe Network (EEN) publishes an extensive number of innovation and technology profiles from international companies and research organisations to help identify suitable partners for bilateral business, innovation and technology cooperation.

Proposal

The proposal consist of

Part A (Online forms)

- Administrative and factual information
- Contains a project summary
- Budget and ethics

Part B (Prose in a fixed structure (templates!))

- Excellence
- Impact
- Implementation
- + sections on ethics issues, gender and in some cases security aspects

European Commission - Research - Participants
Proposal Submission Forms
Directorate General for Research and Innovation

Proposal ID: Acronym:

1 - General information

Topic:
Call identifier:
Type of action:
Acronym:

Proposal title: Max 200 characters (with spaces). Must be understandable for non-specialists in English.

Duration in months: Estimated duration of the project in full months.

Fixed keyword: Add

Free keywords: Enter any words you think give extra detail of the scope of your project. Max 200 characters with spaces!

Abstract

Short summary (Max. 2,000 characters, with spaces) to clearly explain:
- the objectives of the proposal
- how it will be implemented
- their intended impact on the work programme.
Will be used as the short description of the proposal in the evaluation process and in communications with the programme management authority.
- Do not include any confidential information.
- Use plain typed text, avoiding formulae and special characters.
If the proposal is written in a language other than English please include an English version of this abstract in the "Technical Annex" section.

Estimated 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:



Proposal template
(technical annex)

Research and Innovation actions
Innovation actions

Note: This is for information only. The definitive template for your call will be available in the submission system, which you can then use when writing your proposal.

Please follow the structure of this template when preparing your proposal. It has been designed to ensure that the important aspects of your planned work are presented in a way that will enable the topics to make an effective contribution towards the evaluation criteria. Sections 1, 2 and 3 each correspond to an evaluation criterion for a full proposal.

Please be aware that proposals will be evaluated as they were submitted, rather than on their potential if certain changes were to be made. This means that only proposals that successfully address all the required aspects will have a chance of being funded. There will be no possibility for significant changes to content, budget and consortium composition during grant preparation.

⚠ First stage proposals. In two-stage submission schemes, at the first stage you only need to complete the parts indicated by a bracket (i.e. { }). These are in the cover page, and sections 1 and 2.

⚠ Page limit: For full proposals, the cover page, and sections 1, 2 and 3, together should not be longer than 70 pages. All tables in these sections must be included within this limit. The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).

The page limit for a first stage proposal is 10 pages.

If you attempt to upload a proposal longer than the specified limit, before the deadline you will receive an automatic warning, and will be advised to shorten and re-upload the proposal. After the deadline, any excess pages will be overwritten with a 'watermark', indicating to evaluators that these pages must be disregarded.

Please do not consider the page limit as a target! It is in your interest to keep your text as concise as possible, since experts rarely view unnecessarily long proposals in a positive light.

Evaluation Criteria

Projects are evaluated on 3 criteria. The weight of each criteria varies from one type of projects to another

Excellence (up to 5 points)

Is the proposed project innovative and of high scientific quality?
(objectives, approach, transdisciplinarity, level of ambitions etc.)

Impact (up to 5 points)

What is the expected contribution of the project? Scientific/innovative quality and impact for the EU (and internationally)

Quality and efficiency of the implementation (up to 5 points)

The coherence of the project, feasibility, collaboration between the project partners, management structure



National Contact Points

Help is at hand. The National Contact Points (NCPs) is the main structure to provide guidance, practical information and assistance on all aspects of participation in Horizon 2020.

NCPs are financed by governments and free of charge. Setup vary from one country to another from highly centralised to decentralised networks, and a number of very different actors, from ministries to universities, research centres and special agencies to private consulting companies. NCPs are also established in many "third countries"

In general the NCPs offer the following basic services

- Guidance on choosing relevant H2020 topics and types of action
- Advice on administrative procedures and contractual issues
- Training and assistance on proposal writing
- Distribution of documentation (forms, guidelines, manuals etc.)
- Assistance in partner search

National Contact Points in International Partner Countries



Thank you

Feel free to contact us

Lise Vinkel

CBS Research Support Office
Copenhagen Business School
Denmark

Tel. +45 3815 2688

E-mail lvc.research@cbs.dk

Thank you to DARMA for travel support



Danish Association for Research Managers and Administrators

Annedorte Vad

CBS Research Support Office
Copenhagen Business School
Denmark

Tel. +45 3815 2082

E-mail av.research@cbs.dk

Thank you to EARMA for travel support



European Association of
Research Managers and Administrators