This presentation is a general introduction of Horizon 2020.
This presentation consists of two main parts:
The first part is a short introduction of Horizon 2020 on
- The Horizon 2020 structure and budget
- The background of the work programmes and different types of action
- The European and international dimension of Horizon 2020
- and shortly explains project budget and costs
The second part is about finding your way on the Horizon 2020 Participant Portal and gives general information on planning and submitting a proposal
Horizon 2020 is the 8th EU framework programme for research and innovation. The Horizon 2020 programme runs from 2014–2020 and provides an estimated €77 billion euros of funding. The programme has three main priorities, that are called “pillars”, 1) Excellent science, 2) Industrial Leadership and 3) the Societal Challenges, each with a set of specific objectives. Besides the three pillars there are two specific objectives.
- The first pillar, "Excellent Science", focuses on basic, fundamental science. ERC: The European Research Council funds bottom-up, ‘investigator-driven’ research. There are 5 types of grants for different career stages, from early career researchers to established research leaders. MSCA: The Marie Skłodowska-Curie Actions encourage mobility of researchers. There are 5 different types of MSCA actions. FET funds radically new lines of technology, through unexplored collaborations, between advanced multidisciplinary science and cutting-edge engineering. The programme contains three main lines: FET Open, Proactive and Flagships. The Research Infrastructures work programme aims among others the integration and opening of Research Infrastructures of European interest.

- The second pillar is "Industrial Leadership". Under this pillar fall the following programmes: Information and Communication Technologies; Nanotechnologies, advanced materials, advanced manufacturing and processing and biotechnology; Space, Access to Risk finance and the SME Instrument.

- The third pillar funds potential solutions to social and economic problems, "Societal challenges" (SC). There are 7 societal challenges, with each a different thematic focus.

- There are also 2 other programmes which do not fall under a pillar, Spreading Excellence and Widening Participation, which has a focus on the inclusion of the so
called “widening countries” and Science with and for Society.
Horizon 2020 runs from 2014–2020. The work programmes run in cycles of two or three years. The work programmes are made for each programme and contain the different topics and calls for proposals. The current main Horizon 2020 work programme comprises an introduction, 17 thematic sections and the general annexes describing general rules such as standard admissibility conditions and eligibility criteria, selection and award criteria, etc.
Let’s take a look at how the work programmes came about for 2018-2020. In the second half of 2016 the work programmes were drafted and the end result of that were the so called scoping papers; a strategic overarching document and one for each thematic area. The scoping papers contained the strategic priorities of the European Commission. In addition, the input from the Horizon 2020 Advisory groups for each programme, which represent the stakeholders from industry, research and civil society, was taken into account. The EU member states discussed with the European Commission the content of the draft work programmes in the 14 so called Programme Committees. The European Commission asked the member states for approval of the draft work programme, then it has to be approved by all internal DGs of the European Commission and it was then adopted in October by the Commission and published.
The table shows the different types of actions that are defined under Horizon 2020. In this table the general conditions, funding rates and typical durations are taken up. For each topic slight differences may exist, so before you apply it is advised to read the topic text carefully.

The Research and Innovation actions require the inclusion of at least 3 legal entities from at least 3 different EU member states or Horizon 2020 Associated countries. A RIA is an Action that primarily aims to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. The funding rate is usually 100%, the average EU contribution is 2-5 million euro. The Coordination and Support Actions have a smaller budget, shorter duration and focus more on dissemination, awareness-raising and communication, networking, policy dialogues and mutual learning exercises.
This is a continuation of the overview of types of action. Included in the table are for example the ERA-Nets, which have the aim to pool national resources by organizing a joint transnational call for proposals and to coordinate their national/regional research programmes.
Horizon 2020 funds all kinds of research and innovation. In call texts sometimes Technology Readiness Levels or TRLs are mentioned, with a scale of 1 up to 9. This is an overview of the three most common actions in Horizon 2020, RIA, IA and CSA, and their corresponding Technology Readiness levels.

A RIA is usually between TRL 2 to 5. An Innovation Action between TRL 5 and 7, a CSA between TRL 7 to 9.

In topics sometimes start and end levels are specified separately, sometimes a range is given like ‘TRL 4 – 7’, meaning the project starts at 4 and has as target 7.

For a short explanation on Technology Readiness Levels take a look at the 3 minute explanatory clip.
In Horizon 2020 calls for proposals a clear transnational European aspect is taken up. The calls usually have as condition the participation of at least 3 legal entities from three different EU member states or Horizon 2020 Associated Countries. In some topics also an international collaboration is expected and an international partner should be taken up in the consortium. In the top down calls for proposals, where policy priorities are set, it is required to offer solutions for problems with an international dimension. These problems have to be tackled by a European consortium, and with enough relevant partners.
Which countries are eligible to receive EU funding, and which countries are not eligible to receive EU funding, and have to bring in their own funding?

The EU member states and Associated countries, here in the colors grey and red, are eligible to receive EU funding. The third countries can be in either one of the three categories: The countries shown in blue are also eligible to receive EU funding. The countries in green and yellow are not eligible to receive EU funding and have to bring their own funding, either through an automatic mechanism or their own funding.
The importance of international cooperation in Horizon 2020 is underlined by current European Commissioner for research, innovation and science, Carlos Moedas. The “Three O’s” goals for EU research and innovation policy were set by European Commissioner Carlos Moedas in a speech in June 2015, showing how research and innovation contribute across the political priorities of the European Commission. The goals are laid down in a document published in 2016. (‘Open innovation, open science, open to the world A vision for Europe’) The aim of Open to the world is simply to have more global scientific collaborations. When writing a proposal keep in mind that there is possibility to include in your consortium a third country. However only do this if this if you think it is essential for the execution of the project.
The top 5 of countries with which Belgian partners work in Horizon 2020 consist of Germany, the United Kingdom, Spain, France and Italy.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Germany</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>3</td>
<td>Spain</td>
</tr>
<tr>
<td>4</td>
<td>France</td>
</tr>
<tr>
<td>5</td>
<td>Italy</td>
</tr>
</tbody>
</table>
What are the funding rules and what are the costs that are being funded? There is one single set of rules for Horizon 2020 covering all research programmes and funding bodies (rules for participation). Eligible costs are costs that must be actually incurred during project duration. You can think of direct costs like personnel costs, travel costs and related subsistence allowances etc. Overhead costs of the beneficiary are funded for 25% of the total direct costs. For RIA/CSA 100% of the eligible costs are funded for all partners. For IA up to 70% of the eligible costs are funded for profit partners, for non-profit organisations it is 100%. Audits are done by sample.
How to find your way on the Horizon 2020 Participant Portal and how to plan and submit a proposal?
When you want to apply for calls and your organisation or company has never participated before in Horizon 2020 projects, you need to request a 9 digit Participant Identification Code. On the Horizon 2020 Participant Portal a PIC can be requested in the Horizon 2020 Online Manual.
You first have to create a user account on the Participant Portal, which can be done here under ‘EU login’.
Subsequently you need to register your organisation, you will need to provide basic administrative and legal data as well as some contact details. The newly created PIC will have the status ‘declared’ and it can be used in proposal preparation. It is sufficient for submitting the proposal. When your proposal has successfully passed the evaluation, and you will enter the grant preparation stage, then the PIC has to be validated by the Commission Validation Services.
All calls for proposals can be found on the Horizon 2020 Participant Portal. You click on ‘funding opportunities’ on the top of the page.
Subsequently you click on the button on the upper left which says ‘Horizon 2020’ and then you get to see this page. There are two main ways you can search for calls: You can either browse calls by following the Horizon 2020 structure. For instance here the box for ‘Future and Emerging Technologies’ is ticked. When you click on the square below which says ‘FET Open’...
... You get this page, and here you can see that the call is divided into three topics. One Research and Innovation Action and two Coordination and Support Actions.
The second way of searching for topics is by using the search box. When you click on the button which says ‘search topics’ on the upper left of this page you get to see this page. Here you can do a keyword search or a free text search.
When you have clicked on a call topic, you see the title, opening date and deadline of the call and the type of action. Under ‘topic description’ you can find a summary of the challenge, scope and expected impact of this particular topic and also you can find here all documents that are related to the topic; like the work programme in which this topic is taken up, the annotated model grant agreement, a guide for applicants, and the proposal template. These documents together are quite some pages to read, but cannot be missed when you intend to apply for the call for proposals.
Another way of looking for calls is by the quick finders.
- Individual researchers and teams: ERC and MSCA
- European Innovation Council Wizard (EIC pilot under work programme 2018-2020)
- Focus areas (4 in work programme 2018-2020)
- Horizon 2020 topics of cross-cutting priorities, like SSH, gender etc.
When you scroll to the bottom of the page you can find additional support sources. After having read all the documents, and you remain with questions on the topic, go to the ‘Participant Portal Frequently Asked Questions’ section.
You can filter by category.
Another very useful source of information is the Horizon 2020 online manual.
The Horizon 2020 online manual gives more background on how to apply for funding and how the process of evaluation works. It also gives information on grant management.
When you have found a call you want to apply for you have to start plan your project. You have to decide whether you want to be a coordinator or join an existing consortium as partner. You can find partners through conferences, brokerage events, through NCP networks... This image is just an example of project planning, it starts from 6 months before the call deadline, but of course preparation can vary from consortium to consortium.
This is an example of a project proposal that was submitted and received funding. It is the project ORION Open Responsible research and Innovation to further Outstanding kNowledge that was funded in the call Science with and for Society-04-2016 - Opening Research Organisations in the European Research Area. It is a coordination and support action and the project runs for 4 years from 1/5/2017 till 30/4/2021. The consortium has 9 core members with Centre for Genomic Regulation (CRG) based in Barcelona as coördinator.
The consortium has 8 associated partners.
It took the consortium members four months to prepare the proposal.
When writing the project proposal keep in mind the three evaluation criteria: Excellence, impact and implementation criterion. The self-evaluation form is a useful tool.
The proposal template that has to be submitted is usually divided into two parts, Part A, the administrative part, and Part B. Part B exists out of two parts, the B1 part, that is the scientific proposal and in the B2 part you have to provide a timeline, explain the capacities of all the partners of the consortium and illustrate ethics issues.
CORDIS stands for Community Research and Development Information Service. It is a database with all funded Framework Programme projects of which the grant agreement has been signed. On the CORDIS website you have to go to the ‘projects and results’ section, here indicated with a red circle.
On the CORDIS website you can browse the projects and results in 4 ways, by: subject, programme, content type and country.
As example is selected the programme ‘Horizon 2020’ – Marie Skłodowska-Curie Actions Innovative Training Network (ITN). The selected country is Belgium. Here you can see in which call topic this proposal was funded. You can see the total EU contribution. You can find a small summary of the project. You can see the contact details of the coordinator and all the other partners in the consortium, and you can also see the EU contribution/budget that they will receive.
Another way of getting statistics is through the Participant Portal.
How does Flanders perform in Horizon 2020? In this figure you can see the Flemish participation allowance per priority and per participant category. Flanders performs well in ICT, ERC and MSCA.
This is an overview of the strongest Flemish participants. Based on the amount of participations KULeuven takes the lead followed by Ghent University. When looking at the participation allowance again KULeuven takes the lead, followed by IMEC.
Under ‘how to participate’ on the participant portal you can find the experts which have participated in the evaluations in past calls.
The Commission or her agencies launches several calls for experts. These can be found here. The requirements and selection criteria are explained in the calls.
Included is a link to the Participant Portal, where all open and forthcoming calls are published and where the proposals have to be submitted.
Horizon 2020 for beginners

Find and read relevant topics
Preparing a good proposal

Part I: General Introduction
Content of presentation

- Introduction Horizon2020
- Find your way on the Horizon2020 Participant Portal
  - Planning and submitting a proposal
  - Usefull documents and tools
Horizon2020

- Supports a full research and innovation ecosystem
- Focus on expected impact & societal challenges
- Many different topics
- Three main pillars
  - Excellence in the science base (EXCELLENCE)
  - Creating Industrial Leadership (LEIT)
  - Tackling Societal Challenges (SC)
Budget breakdown (in billion euro)

- **Excellent Science**: 24,441
  - ERC, FET, MSCA, RI

- **Industrial leadership**: 17,016
  - ICT, NMBP, BIO, SPACE, SME

- **Societal Challenges**: 29,679
  - Health, food, energy, transport, climate, changing world, security

- **Other fields**: 5,892
  - Widening, SwafS, EIT, JRC, ...

**TAKE AWAY**
77 billion - 7 years
Work programme development

<table>
<thead>
<tr>
<th>work programme 2018-2020</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>June - December 2016</td>
<td>strategic programming process and discussion in the strategic programme committee</td>
</tr>
<tr>
<td>January - June 2017</td>
<td>work programmes process and discussions in the programme committees</td>
</tr>
<tr>
<td>July - August 2017</td>
<td>Commission inter-service consultation</td>
</tr>
<tr>
<td>September 2017</td>
<td>programme committees: formal opinion</td>
</tr>
<tr>
<td>from end September onwards</td>
<td>pre-publications of several draft work programmes</td>
</tr>
<tr>
<td>October 2017</td>
<td>adoption and publication of work programmes by Commission</td>
</tr>
</tbody>
</table>

# Types of action (for all)

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>Code</th>
<th>Minimum Conditions</th>
<th>Funding Rate</th>
<th>Typical Duration</th>
<th>Average EC Contribution</th>
<th>Aim</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research &amp; Innovation Action</td>
<td>RIA</td>
<td>≥ 3 legal entities from 3 MS/AC</td>
<td>100%</td>
<td>36-48 months</td>
<td>€ 2.0 - 5.0M</td>
<td>collaborative research projects</td>
</tr>
<tr>
<td>Innovation Action</td>
<td>IA</td>
<td>≥ 3 legal entities from 3 MS/AC</td>
<td>70%</td>
<td>30-36 months</td>
<td>€ 2.0 - 5.0M</td>
<td>produce plans &amp; arrangements or designs for new, altered or improved products, processes or services</td>
</tr>
<tr>
<td>Coordination &amp; Support Action</td>
<td>CSA</td>
<td>1 legal entity</td>
<td>100%</td>
<td>12-30 months</td>
<td>€ 0.5 - 2.0M</td>
<td>accompanying measures (standardisation, dissemination, policy dialogues etc.) no research</td>
</tr>
<tr>
<td>MSCA* (except Cofund)</td>
<td>MSCA</td>
<td>see separate factsheet</td>
<td></td>
<td></td>
<td></td>
<td>facilitate mobility of researchers for training &amp; career development</td>
</tr>
<tr>
<td>ERC Grants</td>
<td>ERC</td>
<td>1 legal entity in MS/AC</td>
<td>100%</td>
<td>60 months</td>
<td>Starting: ≤ € 2.0M Consolidator: ≤ € 2.75M Advanced: ≤ € 3.5M</td>
<td>support excellent investigators and their research teams to pursue groundbreaking, high-gain / high-risk research</td>
</tr>
<tr>
<td>Prizes</td>
<td>PRI</td>
<td>1 legal entity</td>
<td>n/a</td>
<td>n/a</td>
<td>variable; see respective topic</td>
<td>recognise past achievements, induce future activities</td>
</tr>
<tr>
<td>SME Instrument</td>
<td>SME</td>
<td>1 SME in MS/AC</td>
<td>3 phases:</td>
<td></td>
<td></td>
<td>combination of demonstration activities (testing, prototyping, ...), market replication</td>
</tr>
<tr>
<td>Fast Track to Innovation</td>
<td>FTI</td>
<td>≤ 5 legal entities from 5 MS/AC</td>
<td>70%</td>
<td>tbd</td>
<td>≤ € 3.0M</td>
<td>produce plans &amp; arrangements or designs for new, altered or improved products, processes or services</td>
</tr>
</tbody>
</table>

---

1 Defined in the Work Programme.

2 Additional conditions may be listed in the respective Work Programmes.

3 100% for non-profit organisation (= any legal entity except companies)

4 MSCA = Marie Skłodowska Curie Actions
## Types of action
(for gov/funding bodies)

<table>
<thead>
<tr>
<th>Type of Action</th>
<th>Funding Code</th>
<th>Minimum Conditions</th>
<th>Funding Rate</th>
<th>Typical Duration</th>
<th>EC Contribution</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCA Cofund³</td>
<td>MSCA Cofund</td>
<td>1 legal entity</td>
<td>50%</td>
<td>36-60 months</td>
<td>≤ € 10.0 M</td>
<td>Co-funding of regional, national &amp; international doctoral &amp; fellowship programmes</td>
</tr>
<tr>
<td>ERA-NETs</td>
<td>ERA-NET</td>
<td>≥ 2 legal entities in MS/AC</td>
<td>33%</td>
<td>60 months</td>
<td>variable, see respective topic</td>
<td>coordinate research efforts of participating MS/AC in the field described &amp; implement joint transnational call for proposals with EU co-funding</td>
</tr>
<tr>
<td>Pre-Commercial Procurement</td>
<td>PCP</td>
<td>≥ 3 public procurers from MS/AC</td>
<td>70%</td>
<td>18-48 months for 2 Phases: A) Preparation B) Execution</td>
<td>variable, see respective topic</td>
<td>enable the public sector as a technologically demanding buyer to encourage research, development and validation of breakthrough solutions in areas of public interest</td>
</tr>
<tr>
<td>Public Procurement of Innovative Solutions</td>
<td>PPI</td>
<td>≥ 3 public procurers from MS/AC</td>
<td>20%</td>
<td>18-48 months for 2 Phases: A) Preparation B) Execution</td>
<td>variable, see respective topic</td>
<td>enable trans-national buyer groups of procurers to share the risks of acting as early adopters of innovative goods or services which are not yet available on a large-scale commercial basis</td>
</tr>
</tbody>
</table>
All forms of innovation...

- Technology Readiness Levels (TRL)

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Principles Observed</td>
<td>Technology Concept Formulated</td>
<td>Experimental Proof of Concept</td>
<td>Technology Validation in Lab</td>
<td>Techn. Valid. in Relevant Environment</td>
<td>Demo in Relevant Environment</td>
<td>Demo in Operational Environment</td>
<td>System Complete &amp; Qualified</td>
<td>Successful mission operations</td>
</tr>
</tbody>
</table>

**RIA (≈ research)**

**SMEinst**

**IA (≈ development)**

**CSA (≈ support)**

**TIP:** Need more background on TRL?

- [https://www.youtube.com/watch?v=in4TnQZGyj4&sns=em](https://www.youtube.com/watch?v=in4TnQZGyj4&sns=em)
Simple rules for participation

Minimum conditions

- At least 3 independent legal entities
- established in different member states (MS) or AC

(Additional conditions may apply, see work programme)

State of mind

- for problems with international dimension
- tackled by balanced European consortia
- with just enough relevant partners
H2020 – types of countries

- EU Member States (MS) => automatic EU funding
- Associated Countries (AC) => automatic EU funding
- Third Countries
  - Eligible for H2020 funding (check full list)
  - Own funding through automatic mechanisms
  - Partners need to look for own funding

! Let partner always check current status
! Unless mentioned otherwise in topic description
Horizon 2020 = open to the world

International cooperation = cross-cutting priority

- General openness
- Specific topics that encourage/require cooperation
  - Joint or coordinated calls
  - Specific Joint Initiatives
  - Twinning: networking between projects

1) You can always include international collaboration
   - Be explicit about contribution/need of international partner
     - E.g. expertise, equipment or methodologies or access to unique resources such as biodiversity, communities or geographies

2) Check funding possibilities for international partner
   - Automatic (MS, AC) or not (3rd countries)
   - Developing countries: special opportunities
Main partners of Belgium in H2020

<table>
<thead>
<tr>
<th></th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Germany</td>
</tr>
<tr>
<td>2</td>
<td>United Kingdom</td>
</tr>
<tr>
<td>3</td>
<td>Spain</td>
</tr>
<tr>
<td>4</td>
<td>France</td>
</tr>
<tr>
<td>5</td>
<td>Italy</td>
</tr>
</tbody>
</table>
Simple rationale for funding

- A single set of rules
  - adapted for the whole research and innovation cycle
  - coherent with all other EU Programmes

- Simple rules for grants
  - Budget
    - personnel costs + direct costs
    - Increased with 25% flat rate for indirect costs
  - Funding rates
    - RIA/CSA = 100% for all partners
    - IA = 70% (profit)/ 100% (non-profit)

- Few, well-targeted controls and audits

Example
Personnel costs
- 2 PY = 150 kEUR
Direct costs
- Travel: 12 kEUR
- Consumables: 8 kEUR
- Other: 10 kEUR
Indirect costs
- 25% flat fee: 45 kEUR
BUDGET: 225 kEUR

FUNDING:
- RIA/CSA: 225 kEUR
- IA: 157.5 kEUR
HORIZON 2020

Find your way on the Horizon2020 Participant Portal

Planning and submitting:

Find calls and what does a call text consist of?

Usefull documents and tools
User account

EU Login

EU Login provides a single sign-on to a large number of information systems available on the Participant Portal.

To use the functions available on My Area, you must have an EU Login account.

- If you already have an EU Login account, you must use that one.
- Otherwise, you can create an EU Login account by clicking on the "Register" button on the Participant Portal - all you need is your work e-mail address.

Note: The previously used ECAS account (European Commission Authentication System) name changed to EU Login on 3rd November 2016 – the related guidance documents are being updated.

Detailed Procedure For Creating An EU Login Account

1. Go to the EU Login register page and enter:
   - a user name
   - your first name, last name and e-mail address and
   - the displayed security code.

2. Select ‘sign up’

   You will receive an e-mail to the address that you specified, containing a link you can use to complete the registration process.
Registration of your organisation

Before submitting a project proposal, all organisations involved in the project must first be registered in the Participant Portal Beneficiary Register and have their 9-digit Participant Identification Code (PIC number).

You can check if your organisation is already registered on the Beneficiary Register page and, if needed, launch the registration process:

- If you are new to the Participant Portal, you will first need to create a user account (EU Login), before you start the registration process.
- If you already have a user account (EU Login), you can log in and start entering information to register your organisation on the Beneficiary Register page.

What You Need For Registration

To register your organisation, you will need to provide basic administrative and legal data as well as some contact details. The IT How To of the Beneficiary Register offers step-by-step guidance for this process. As the declared information may need to be verified against supporting documents later on, it is useful to have the relevant information at hand as you complete the registration to make sure you fill in correctly the relevant fields (non-profit, public/private, etc.).

As a general principle, an organisation should have legal personality in order to be registered. If your organisation does not have legal personality, you cannot create a Beneficiary Register account for it.
Planning – Find calls

H2020 calls are published on the participant portal

Planning – Find calls

Browse calls by following the H2020 structure
Planning – Find topics

Calls are divided into TOPICS
Planning – Find topics

RESEARCH & INNOVATION
Participant Portal

Keyword search
Text search

NCP Flanders
### TOPIC - Towards a method for the collection of statistical data on bio-based industries and bio-based products

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Challenge</td>
<td>As compared to bioeconomy sectors such as food-chain or forestry which have held of consolidated official statistics, there is a current lack of reliable and uniform data on bio-based industries and bio-based products. In spite of progress made by the European Bioeconomy Observatory and other initiatives to gather data on the use of biomass for bio-based products, the following hurdles are still laying ahead to reach a widespread data availability: (1) There is a lack of a comprehensive database with statistics for industrial uses of biomass from primary and secondary sources. (2) The flow of raw material to end-products cannot be inferred from existing databases. (3) There is insufficient comparability between different databases. (4) Methodology for data collection is not always transparent and existing data rely to a large extent on industry surveys and estimations of experts. This data gap hinders the development of economic models, enabling the quantification of the bioeconomy and its economic, environmental and social effects. In turn, it has a negative effect on the ability of policy-makers to set the most appropriate policies to encourage investment in the bioeconomy in view of factors such as competition among competing and possible trade-offs between various biomass uses.</td>
</tr>
</tbody>
</table>

### Expected impact
- Data generated should be fed into economic models, existing or newly developed, enabling the description of the development of the bioeconomy, its interaction with the rest of the economy, and its economic, environmental and social impacts. Compete should include a balanced combination of economic on bio-based products, statistical reporting from Member States and modeling. Proposals should build on the existing work of organizations and existing models including the current activities of the EU Commission, national governments, international organizations and private sector. |
Planning – Find topics

Quick finders

- Individual researchers and teams
- EIC wizard
- Focus Areas
- Horizon2020 topics of cross-cutting priorities
Planning – more information about a topic

Get support

H2020 Online Manual is your guide on the procedures from proposal submission to managing your grant.

Participant Portal FAQ – Submission of proposals.

National Contact Points (NCP) - contact your NCP for further assistance in your national language(s).

Research Enquiry Service – ask questions about any aspect of European research in general and the EU Research Framework Programmes in particular.

Enterprise Europe Network – contact your EEN national contact for advice to businesses with special focus on SMEs. The support includes guidance on the EU research funding.

IT Helpdesk - contact the Participant Portal IT helpdesk for questions such as forgotten passwords, access rights and roles, technical aspects of submission of proposals, etc.

Ethics – for compliance with ethical issues, see the Online Manual and Science and Society Portal

European IPR Helpdesk assists you on Intellectual property issues

CEN and CENELEC: the European Standards Organisations, advise you how to tackle standardisation in your project proposal. Contact CEN-CENELEC Research Helpdesk at research@cencenelec.eu

The European Charter for Researchers and the Code of Conduct for their recruitment

Partner Search Services help you find a partner organisation for your proposal.
Frequently Asked Questions (FAQ)

Welcome to the new Participant Portal FAQ section.

These pages are updated with the answers to the most frequent questions that have been submitted to the Research Enquiry Service, IT Helpdesk, Call Coordinators and H2020 NCP correspondents.

☐ Show also archived FAQs.

Filter by CATEGORY

- Participant Portal roles and access rights
- Beneficiary registration and validation
- Funding opportunities, calls
- Proposals submission and evaluation
- Ethics and research integrity
- Grant preparation and signature, reporting...
- Audits and certificates
- Experts evaluators, reviewers, monitors
- European research policy

Filter by PROGRAMME

- H2020
- 3rd Health Programme
- Asylum, Migration and Integration Fund
- Consumer Programme
- COSME

Q. What are the “pre-registration data” in the proposal? Can I change them afterwards?
   A. The pre-registration data is filled in when a draft proposal is created by the coordinator. This data includes: topic type of action list of participants and contacts short summary o...

Q. The proposal submission system indicates that mandatory contact persons are missing, but the proposal form cannot be added. What is wrong?
   A. Contact persons have to be added in step 4 of the submission system, i.e., outside the proposal forms. Once contacts are added in step 4, they receive the invitation to the proposal a...

Q. Do I have to register my organisation before drafting my proposal?
   A. Your organisation must be registered and have a Participant Identification Code (PIC) for being able to create a proposal. Please check first whether your organisation has already been...

Q. Where can I download the proposal Part B template for a specific call topic?
   A. The editable Part B template that is specific to a given topic and type of action can be downloaded right after entering the submission service on the topic page. It is on the left...

Q. Who will evaluate my Horizon 2020 proposal?
   A. The use of independent experts by the European Commission for the evaluation of proposals submitted in response to Horizon 2020 calls for proposals is described here and in Annex H o...

Q. In applying to Horizon 2020 calls, do all linked third parties need to explicitly appear in proposals?
   A. In the proposal, the planned involvement of all linked third parties must be described in the technical annex ("Description of Action"). In the budget table, costs and requested EU f...

Q. Should project coordinators of Horizon 2020 proposals dedicate a part of their proposal to addressing the potential risks as a consequence of the UK Referendum?
   A. No. At this stage, any speculation on the consequences for the Horizon 2020 action of a withdrawal of the UK from the EU will not be taken into account in the evaluation.

Q. If I initially chose a wrong (duplicate) PIC for a participant organisation in my proposal, can I replace it later?
   A. To replace a PIC in a proposal, provide the new PIC by clicking on the ‘Change Organization’ button at Step 4 ‘Parties’ of the submission service. After the submission deadline no ch...
Planning – more information
Planning – more information
Planning – Plan your project

Typical timeline from call to deadline

1st stage
Consortium forming
Agree on the aim of the Project, research questions, WP objectives & contents...

2nd stage
Homework!
Collect inputs from partners: WPs for tasks definition and distribution

3rd stage
Preparation of first draft proposal
Compile, proceed and summarize contributions by WP

4th stage
Core group meeting
Final agreement on overall Structure of the project, WP content, tasks...

5th stage
Proposal completion
Manage overall writing, including proof reading and external review

Last 2 months < deadline
3 months < deadline
3-4 months < deadline
4-5 months < deadline
5-6 months < deadline

NCP Flanders

FWO Fonds Wetenschappelijk Onderzoek Vlaanderen
Opening new horizons

AGENTSCHAP INNOVEREN & ONDERNEMEN

Vlaanderen is ondernemen
Planning – Plan your project: example

- ORION Open Responsible research and Innovation to further Outstanding kNowledge

9 CORE PARTNERS

- 4 Research Institutes
- 2 Funding Organizations
- 1 Social Sciences group
- 2 Civil Society Organizations
Planning – Plan your project: example
Planning – Plan your project: example

TIMELINE

Call open April 2016

Deadline 30/08/2016

“Idea” – Core group May 2016

Brainstorming meeting @CRG 18/07

Intensive writing August 2016

NCP Flanders

FWO Fonds Wetenschappelijk Onderzoek Vlaanderen

Agentchap Innoveren & Ondernemen

Vlaanderen is ondernemen
Writing & submitting

Keep in mind: 3 evaluation criteria

**EXCELLENCE** (section 1 of proposal template)
**IMPACT** (section 2)
**IMPLEMENTATION** (‘excluded’ first stage proposals) (section 3)

USE Self-evaluation form!
For RIA, IA and CSA in 2018-2020:  
Writing & submitting

SUBMIT (on time!) VIA PARTICIPANT PORTAL

Using the Proposal template

• Part A = administrative

• Part B = technical
  1. Excellence, Impact, Implementation
  2. Members of consortium, Ethics and societal impact, Security
CORDIS database: http://cordis.europa.eu/
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 and now also report summaries are available on CORDIS. All H2020 projects can be downloaded from the EU Open Data Portal.

Search projects and results

Latest Results in Brief

Novel therapy for a rare immune disease
2017-11-22
Haemophagocytic lymphohistiocytosis (HLH) is a rare immune disease with no approved available therapy. A novel orphan drug is expected to revolutionise treatment and improve patient clinical outcome.

It's time for Europe's public buildings to go green
EU Training Network for Resource Recovery through Enhanced Landfill Mining

From 2015-09-01 to 2020-08-31, ongoing project

<table>
<thead>
<tr>
<th>Project details</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total cost:</strong></td>
<td>NCGA-ITN-2016 - Innovative Training Networks</td>
</tr>
<tr>
<td>EUR 3 844 721.16</td>
<td></td>
</tr>
<tr>
<td><strong>EU contribution:</strong></td>
<td>H2020-MSCA-ITN-2016</td>
</tr>
<tr>
<td>EUR 3 844 721.16</td>
<td>See other projects for this call</td>
</tr>
<tr>
<td><strong>Coordinated in:</strong></td>
<td>MSCA-ITN-ETN - European Training Networks</td>
</tr>
<tr>
<td>Belgium</td>
<td></td>
</tr>
</tbody>
</table>

**Objective**

Europe has somewhere between 150,000 and 500,000 landfill sites, with an estimated 90% of them being "non-sanitary" landfills, predating the EU Landfill Directive of 1999. These older landfills tend to be filled with municipal solid waste and often lack any environmental protection technology. In order to avoid future environmental and health problems, many of these landfills will soon require expensive remediation measures. This situation might appear bleak, but it does pre...

**Coordinator**

KATHOLIEKE UNIVERSITEIT LEUVEN
Oluda Markt 13
3000 LEUVEN
Belgium

**Activity type:** Higher or Secondary Education Establishments

**Partners in consortium**

RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

UNIVERSITEIT GENT
SINT PIETERSNEUWISTRAAT 25
9000 GENT
Belgium

**Activity type:** Higher or Secondary Education Establishments

**Partners in consortium**

MONTANUNIVERSITAT LEOBEN

UNIVERSITA DEGLI STUDI DI PADOVA

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH

LINKOPINGS UNIVERSITET

KUNGliga TEKNiska HOEGSKOLAN

SHANKS VALORIZATION & QUARRV

ITALCIMENTI FABBRICHE RIUNITE CEMENTO SPA

**Coordinator**

KATHOLIEKE UNIVERSITEIT LEUVEN
Oluda Markt 13
3000 LEUVEN
Belgium

**EU contribution:** EUR 751 600

**Partners in consortium**

RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN

UNIVERSITEIT GENT
SINT PIETERSNEUWISTRAAT 25
9000 GENT
Belgium

**EU contribution:** EUR 751 600
Projects & Results

See the work done in past and ongoing projects of Horizon 2020, FP7 and Research Fund for Coal and Steel (RFCS). View the statistics on H2020 proposals, success rates, funded projects and participants.

Horizon 2020 data on proposals

See statistics such as number of submitted proposals per country, success rates of proposals, etc.

Horizon 2020 data on projects

See statistics such as number of grants per type of organisation, per H2020 thematic area, etc.

Innovation Success Stories

Diving deeper to find answers to climate questions
2017-09-22

EU-funded researchers are reconstructing how the chemical composition of the world’s sea water evolved, using brachiopod shells. Their findings should advance understanding of recent changes to our climate.

Horizon 2020, FP7 and RFCS projects

Horizon 2020, FP7 and Research Fund for Coal and Steel project information and work report summaries are available on CORDIS.

See all research and projects
HORIZON 2020

Flemish participation

[Bar chart showing participation across various categories with labels such as CROSST, ERC, PhD, MSCA, INFRA, ICT, NMP, ADVANCED, BIOTECH, ADVANCED, SPACE, RISK, INNOVATION, SME'S, INNOSUP, HEALTH, FOOD, ENERGY, TPT, ENV, SOCIETY, SECURITY, SEA, CROSST, WIDESPREAD, TWINNING, ERA, INNET, NCP, SWAFS, CAREER, INNOVATION, INNOVATION, INNOVATION, GOV, KNOWLEDGE, EURATOM.

Legend:
- Blue: Universities and universities
- Green: Business
- Light green: Research centres
- Red: Other institutions]
## HORIZON 2020

### Top participants in Flanders

<table>
<thead>
<tr>
<th>Instelling</th>
<th># Deelnames</th>
<th>Deelnametoelage in miljoen euro</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katholieke Universiteit Leuven</td>
<td>165</td>
<td>96,03</td>
</tr>
<tr>
<td>Interuniversitair Micro-Elektronica Centrum vzw (IMEC)</td>
<td>53</td>
<td>63,28</td>
</tr>
<tr>
<td>Universiteit Gent</td>
<td>109</td>
<td>57,52</td>
</tr>
<tr>
<td>iMinds</td>
<td>35</td>
<td>28,23</td>
</tr>
<tr>
<td>Vlaamse Instelling voor Technologisch Onderzoek (VITO)</td>
<td>46</td>
<td>28,04</td>
</tr>
<tr>
<td>Vrije Universiteit Brussel</td>
<td>46</td>
<td>25,56</td>
</tr>
<tr>
<td>Vlaams Interuniversitair Instituut voor Biotechnologie (VIB)</td>
<td>36</td>
<td>24,80</td>
</tr>
<tr>
<td>Universiteit Antwerpen</td>
<td>36</td>
<td>15,22</td>
</tr>
<tr>
<td>Geo@Sea</td>
<td>1</td>
<td>8,31</td>
</tr>
<tr>
<td>Bio Base Europe Pilot Plant vzw</td>
<td>11</td>
<td>8,22</td>
</tr>
</tbody>
</table>
Find experts from past calls
Register as expert

[15/06/2017] Expert evaluators needed: help us select high-potential innovators. More...

[07/06/2016] Call for experts to assist the European Defence Agency (EDA) with tasks in connection with the Preparatory Action on Defence Research. More...

[10/2014] The 3rd Health Programme and the Consumer Programme, managed by the Consumer, Health and Food Executive Agency (CHAFEA), and the Research Fund for Coal and Steel (RFCS) are now using the European Commission’s experts database to select experts for assignments including the evaluation of proposals and monitoring of projects. If you are already registered as an expert and wish to also indicate your interest in these programmes, please update your profile by ticking “RFCS (Research Fund for Coal and Steel)” and/or “Third Health Programme (managed by CHAFEA)” (Programme Selection’ section). More...

Who can be an expert?
You have a chance of being selected as an expert if you:
- have high-level of expertise in the relevant fields (see calls for experts for details)
- can be available for occasional, short-term assignments

What do expert assignments involve?
Experts, as peer reviewers, assist in the:
- evaluation of proposals
- monitoring of actions

In addition, experts assist in the:
- preparation, implementation or evaluation of programmes and design of policies.

Business innovation coaches support SMEs funded via the SME instrument. An expression of interest for experts willing to become Business Innovation Coach for the SME instrument is available on the EASME website. Candidate coaches will also be asked to provide more detailed information on their competence and experience here.

In order to access the expert registration form, you are first asked to login with a valid Participant Portal (EU Login) account. If you do not have it yet, it is easy to create your Portal (EU Login) account.

Registered experts
- Registered experts can complete or update their profile at any time by logging-in to their Portal account (EU Login) and accessing My Expert Area.
- Your profile is only available to the Commission for consideration once it is complete and valid.
- Should you get a contract as an independent expert, please check that the Bank Account on which you want to be paid is still valid before you introduce a request for payment.
More information

- Participant Portal of the European Commission
  http://ec.europa.eu/research/participants/portal/

Thank you for your attention