

Horizon 2020 Overview



Three priorities:

- **Pillar 1 Excellent Science (approximately 32% of budget)**
- **Pillar 2 Industrial Leadership (approximately 22% of budget)**
- **Pillar 3 Societal Challenges (approximately 38.5% of budget)**
- **Cross-cutting activities (approximately 1.5% of budget):**

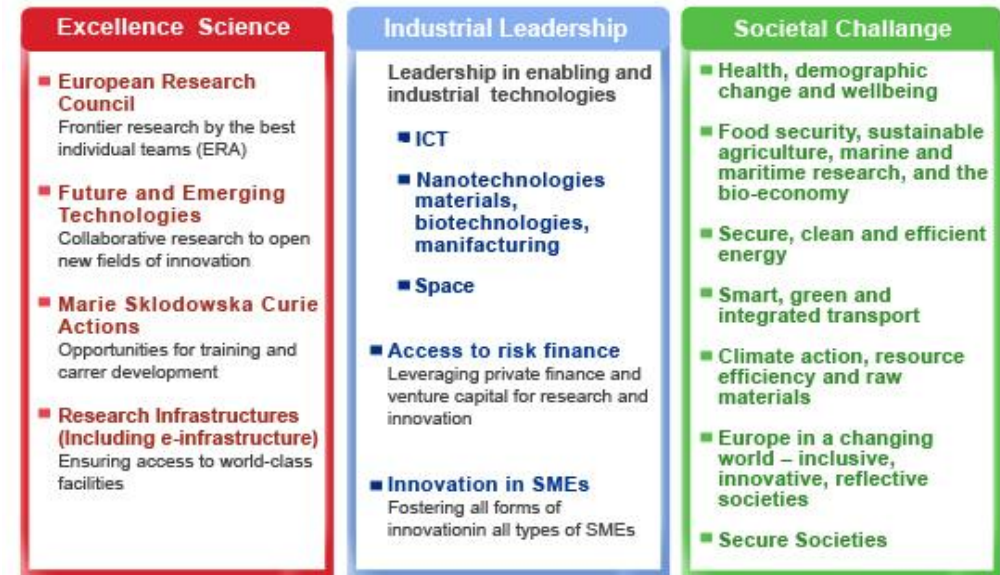
Spreading Excellence and Widening Participation

Science with and for Society

- **EIT (approximately 3.5% of budget)**
- Non-nuclear activities of **Joint Research Centre (approximately 2.5% of budget)**
- Strong focus on SMEs:

In collaborative projects - 20% of total budget for societal challenges and enabling & industrial technologies to go to SMEs

A new SME instrument in all societal challenges and enabling & industrial technologies (7% of relevant budgets)



European Institute of Innovation and Technologies (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

Euratom

What's the current state of play in Horizon 2020?

- Multi-annual work-programmes: sets out the schedule and call topics for funding opportunities over a 2 year period
- The Commission is currently refining the calls for 2018/19/20 through its 'programme committee' structure
- Scoping Papers for 2018/2019/2020 Work-programmes are available: <http://h2020.com.ua/uk/>



Place of the Participant Portal in EU's Research communication media

3 Internet portals related to Horizon 2020:

- **RESEARCH on EUROPA** → policy context
<http://ec.europa.eu/research>
- **PARTICIPANT PORTAL** → interactions with participants
<http://ec.europa.eu/research/participants/portal>
- **CORDIS** → dissemination of results
<http://cordis.europa.eu>

Practical Information

Participant Portal – one-stop shop

<http://ec.europa.eu/research/participants/portal>

- Topics
- Documents
- Rules for participation
- Online manual
- E-submission

Horizon 2020 Documents

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html

Horizon 2020 On-line Manual

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

Questions? Research Enquiry Service: <http://ec.europa.eu/research/enquiries>

EC OA website

<http://ec.europa.eu/research/swafs/index.cfm?pg=policy&lib=science>

Open Access Resources (Netvibes – EC Central Library)

<http://www.netvibes.com/open-access>

+ in Ukrainian

Horizon 2020 Ukraine National Portal: <http://h2020.com.ua>

The screenshot shows the homepage of the Research & Innovation Participant Portal. At the top, there is a navigation bar with the European Commission logo, the text 'RESEARCH & INNOVATION Participant Portal', and a 'BETA VERSION 4' badge. Below the navigation bar, there is a main content area with a welcome message and two columns of information. The left column, titled 'About the Participant Portal:', describes the portal's purpose and lists the EU programmes it supports: the 7th Framework Programme for Research and Technological Development (FP7) and the Competitiveness and Innovation Framework Programme (CIP). The right column, titled 'Using the Participant Portal:', provides instructions for guest and registered users. At the bottom, there is a row of six icons representing different portal features: 'WHAT'S NEW', 'FUNDING OPPORTUNITIES', 'HOW TO PARTICIPATE?', 'WORK AS AN EXPERT', 'ACCESS MY PERSONAL AREA', and 'INFORMATION AND SUPPORT'. The footer contains the text 'RESEARCH ON EUROPA CORDIS OLAF' and '© European Communities'.

How to Apply?

Using the Horizon 2020 website/Participant Portal

- **1. Find a call for proposals**
- **2. Find partners (where necessary)**
- **3. Create an account and register your organization**
- **5. Submit a proposal**



H2020 uses two approaches to funding

Bottom UP

You come up with a research idea and apply for funding through the Excellent Science schemes; e.g.

- European Research Council (ERC)
- Marie Skłodowska-Curie Schemes (MSCA)
- Future and Emerging Technologies (FET)
- SMEs Instrument

Top DOWN

The EU define specific topics and your idea has to fit within their remit in order to be able to apply.

- Industrial Technologies (e.g. ICT, Biotech)
- Societal Challenges (e.g. Health, Secure Societies, Europe in a Changing World, Food-Agri-Marine)

Instruments in H2020-Types of Actions

Type of Action ¹	Code	Minimum Conditions ²	Funding Rate	Typical Duration	Average EC Contribution	Aim
Research & Innovation Action	RIA	≥ 3 legal entities from 3 MS/AC	100%	36-48 months	€ 2.0 - 5.0M	collaborative research projects
Innovation Action	IA	≥ 3 legal entities from 3 MS/AC	70% ³	30-36 months	€ 2.0 - 5.0M	produce plans & arrangements or designs for new, altered or improved products, processes or services
Coordination & Support Action	CSA	1 legal entity	100%	12-30 months	€ 0.5 - 2.0M	accompanying measures (standardisation, dissemination, policy dialogues etc.) no research
MSCA ⁴ (except Cofund)	MSCA	see separate factsheet				facilitate mobility of researchers for training & career development
ERC Grants	ERC	1 legal entity in MS/AC	100%	60 months	Starting: ≤ € 2.0M Consolidator: ≤ € 2.75M Advanced: ≤ € 3.5M	support excellent investigators and their research teams to pursue ground-breaking, high-gain/ high-risk research
Prizes	PRI	1 legal entity	n/a	n/a	variable; see respective topic	- recognise past achievements - induce future activities
SME Instrument	SME	1 SME in MS/AC	3 phases: <ul style="list-style-type: none"> Phase 1: lump sum of € 50K / project Phase 2: € 1 - 2.5M / project (1-2 years) (70% of eligible costs reimbursed) Phase 3: no funding 			combination of demonstration activities (testing, prototyping, ...), market replication
Fast Track to Innovation	FTI	≤ 5 legal entities from 5 MS/AC	70% ³	tbd	≤ € 3.0M	produce plans & arrangements or designs for new, altered or improved products, processes or services

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

The Consortium

Meeting the criteria with a 'balanced' Consortium:

1. The basic research
 - **Science & Technology** partners
2. Users of Technology & Implementation
 - Partners with expertise to **develop, test & validate the scientific premise, technology or other outputs**
3. IMPACT of the R&D outcomes on the target market
 - Partners with expertise & experience to **disseminate & exploit the knowledge/solutions generated**

Normally - at least 3 legal entities from 3 different EU member states or Horizon 2020 Associated Countries

- Additional legal entities depending on project
- Strong emphasis on 'Innovation' in Horizon 2020 – where appropriate include non-academic sector partners e.g. SMEs
- Mention of international collaboration with e.g. BRIC doesn't guarantee funding
- Consider:
 - Who you have worked well with before
 - What your expectations are
 - Budget, IPR, management issues as early as possible

Horizon 2020 – How to participate?

Any institution may participate either as a **Partner** or as a **Coordinator!**

- Responsibilities of the Coordinator:
 - Submits the proposal and (generally) leads the project.
 - Reporting responsibilities
 - Receives payment from the Commission and distributes to partners
 - Acts as a 'hub' for queries between Partners and Commission
- Resources and Benefits?
 - Coordinator receives adequate funding for resources to manage the consortium. Costs are claimed as incurred and cannot lead to a profit.
 - Closer links to Brussels
 - Prestige (?)
- Partner
 - Works on their work package(s)
 - Submits reports to coordinator
 - Contributes to “a smooth and successful implementation of the grant”
 - Supports the coordinator in their obligations



BUT Be realistic

Start small and work up:

If you are new to EU funding, start with a MSCA IF (bottom-up so open to all fields)

Do not attempt to coordinate a H2020 project unless you already have experience of managing large-scale, preferably international, grants – evaluators will be looking for experienced Coordinators

If you are the Coordinator, do not underestimate the considerable amount of time you will have to spend managing the project, even if you have a dedicated project manager.

Carefully check partners if invited to join a consortium by anyone with whom you have not previously worked – personal contacts are best

Finding partners

- Use existing contacts with experience of EU funding programs

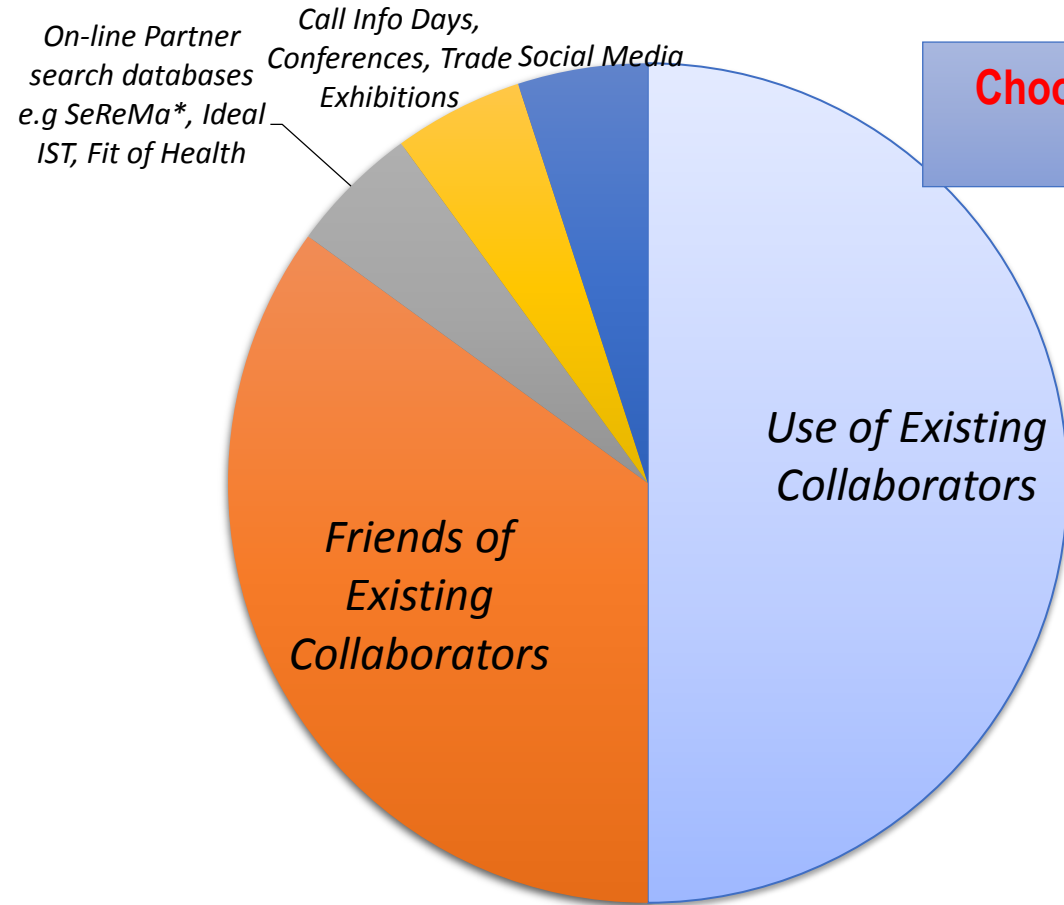
- Use Partner Search facility on the Horizon 2020 Participant Portal website:

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:

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

- Use social media (e.g. LinkedIn forums)



*<http://www.security-research-map.eu/>

Partner Search

Partner search tools

[Partner search NCPs CaRE](http://partnersearch.ncps-care.eu/index.php?index=6)

<http://partnersearch.ncps-care.eu/index.php?index=6>

[CORDIS partner search platform](https://cordis.europa.eu/partners/web/guest) <https://cordis.europa.eu/partners/web/guest>

[Enterprise Europe Network cooperation opportunities database](http://een.ec.europa.eu/tools/services/SearchCenter/Search/ProfileSimpleSearch)

<http://een.ec.europa.eu/tools/services/SearchCenter/Search/ProfileSimpleSearch>

[LinkedIn group "Environment projects & partner search – EASME"](https://www.linkedin.com/groups/7001906)

<https://www.linkedin.com/groups/7001906>

[Annual Information Day & Brokerage event in Brussels](https://ec.europa.eu/easme/en/horizon-2020-information-day-climate-action-environment-resource-efficiency-raw-materials)

<https://ec.europa.eu/easme/en/horizon-2020-information-day-climate-action-environment-resource-efficiency-raw-materials>

[Brokerage events organised by the Enterprise Europe Network](http://een.ec.europa.eu/tools/services/SearchCenter/Search/EventSimpleSearch?nolayout=true)

<http://een.ec.europa.eu/tools/services/SearchCenter/Search/EventSimpleSearch?nolayout=true>

[National Contact Points](http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html)

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

Databases of previous and ongoing projects

[CORDIS project database](http://cordis.europa.eu/projects/home_en.html)

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

[Horizon 2020 SME Instrument](https://ec.europa.eu/easme/en/sme-instrument-projects) <https://ec.europa.eu/easme/en/sme-instrument-projects>

[Eco-innovation projects](http://ec.europa.eu/environment/eco-innovation/projects/) <http://ec.europa.eu/environment/eco-innovation/projects/>

[LIFE projects](http://ec.europa.eu/environment/life/project/Projects/index.cfm) <http://ec.europa.eu/environment/life/project/Projects/index.cfm>

Dedicated to Horizon 2020 Societal Challenge "Climate action, environment, resource efficiency and raw materials"

In particular for research & development projects

Includes both business and technology offers and requests

In particular for applicants for Horizon 2020 and LIFE projects

Dedicated to Horizon 2020 Societal Challenge "Climate Action, Environment, Resource Efficiency & Raw Materials"

Often back-to-back with key trade fairs and conferences

Personalised support & assistance in partner search in applicants' own languages

Projects funded under Horizon 2020 as well as previous research framework programmes

Innovation by small and medium-sized companies in the fields of eco-innovation & sustainable supply of raw materials, and environment & climate action

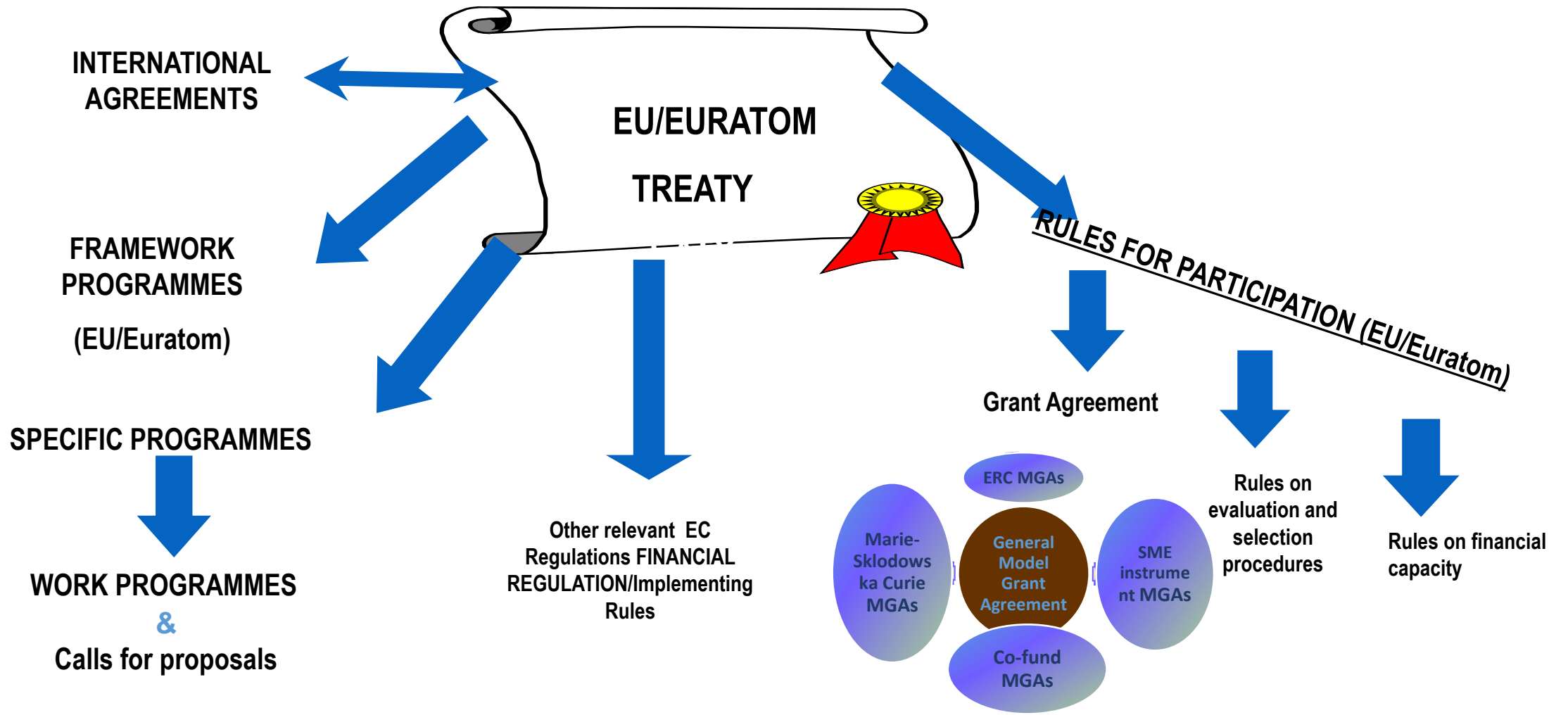
Market launch of innovation in the buildings & construction, food & drink, greening business, water and recycling sectors

EU funded projects on environment, resource efficiency, biodiversity and climate action



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

Legal Framework



The importance of the Work Programme

Work Programme may:

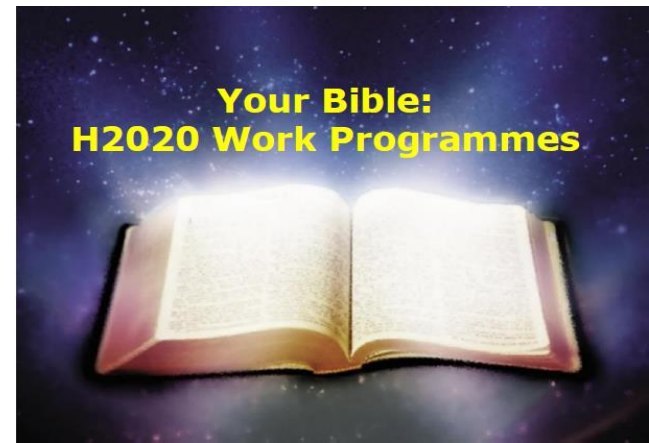
- Restrict eligibility of participants from third countries (e.g. security concerns, reciprocity)
- Introduce additional eligibility criteria
- Number of participants, type of participant and place of establishment
- Lay down further details for the application of the award criteria, and specify weighting and thresholds –see general annexes
- Specify third countries that are eligible for funding
- Specify the funding rate for an action
- Specify that lump sums or scale of unit costs can be used for an action (subject to prior separate Commission Decision)
- Identify beneficiaries for grants without a call for proposals

General Annexes

- List of countries, and applicable rules for funding
- Standard admissibility conditions for grant proposals, and related requirements
- Standard eligibility criteria
- Types of action: specific provisions and funding rates
- Specific requirements for innovation procurement (PCP/PPI) supported by Horizon 2020 grants
- Rules of Contest (RoC) for Prizes
- Technology readiness levels (TRL)
- Evaluation
- Budget flexibility
- Classified Information
- Financial support to third parties

Read carefully

- It is crucial you understand the call topic: read between-the-lines to assess the call aims
- Remember: no separate call fiches in H2020 – all details including call
- Dates and deadlines are in the Work Programmes which are thus critically important documents
- H2020 calls are structured in a new way under the headings of:
- **Specific challenge: sets the context, the problem to be addressed**, why EU intervention is necessary
- **Scope: delineates the problem, specifies the focus and boundaries** of the potential action but without overly describing specific approaches
- **Expected impact: describes key elements of what is expected to be achieved** in relation to the specific challenge



Rules for participation

- http://ec.europa.eu/research/participants/data/ref/h2020/legal_basis/rules_participation/h2020-rules-participation_en.pdf

General Model of Grant Agreement (H2020 General MGA — Multi)

- http://ec.europa.eu/research/participants/data/ref/h2020/mga/gga/h2020-mga-gga-multi_en.pdf

+ in the On-line Manual

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-mga

- Model grant agreements
 - General Grant Agreement
 - European Research Council (ERC)
 - Marie-Sklodowska-Curie (MSC)
 - SME Instrument
 - ERANET Cofund
 - Pre-Commercial Procurement (PCP)/Public Procurement of Innovative Solutions (PPI)
 - European Joint Programme Cofund
 - Framework Partnerships
 - Lump sum

Annotated Model of Grant Agreement

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf

The AGA — Annotated Model Grant Agreement is a user guide that aims to explain to applicants and beneficiaries the General Model Grant Agreement (General MGA) and the different specific Model Grant Agreements ('Specific MGAs') for the Horizon 2020 Framework Programme for 2014-2020 (H2020).

Consortium agreements

- Consortium agreement mandatory unless specified in call for proposals
- If mandatory, required before signature of the Grant Agreement
- Internal organisation of the consortium, including clear distribution of tasks, financial arrangements (e.g. pre-financing), settlement of disputes (e.g. nonperformance), additional Intellectual Property arrangements (e.g. licensing), liability and confidentiality
- Usually drafted and disseminated by coordinator; not signed by the Commission
- Various models have been/are being developed:
- DESCA: www.desca-2020.eu
- EUCAR: <http://www.eucar.be/eucar-publishes-its-model-consortiumagreement-for-horizon-2020/>

PIC organization code

The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' search interface. At the top right, there are navigation links: 'A to Z | Sitemap | Search | About this site | Contact | Legal Notice' and a language dropdown set to 'English (en)'. The main header includes the European Commission logo and the text 'RESEARCH & INNOVATION Participant Portal'. Below this is a breadcrumb trail: 'European Commission > Research & Innovation > Participant Portal > My Organisations > Search Legal Entity'. A secondary navigation bar contains buttons for 'Home', 'Funding', 'Documents', 'My Organisations', 'Experts', and 'Support'. A third bar has buttons for 'Register', 'Search Legal Entity', and 'LFV Simulation'. The left sidebar features a 'LOGIN' section with a 'Login' button and a 'Register your account' link, and a 'NEED HELP?' section with links to 'Frequently Asked Questions', 'User manual', and 'Presentations'. The main content area is titled 'SEARCH LEGAL ENTITY' and contains instructions: 'In order to find an organisation use this search option to retrieve more results. You may enter an organisation name or a significant part of it (e.g. Acme University), or a VAT number.' Below the instructions is a search input field containing the text 'Ukraine'. A large blue banner with the word 'norters' in a white, handwritten-style font is positioned below the search field. At the bottom of the search area, there is a captcha prompt: 'Please enter the captcha code : norters' with an input field.

<http://ec.europa.eu/research/participants/portal/page/searchorg>

Electronic Submission

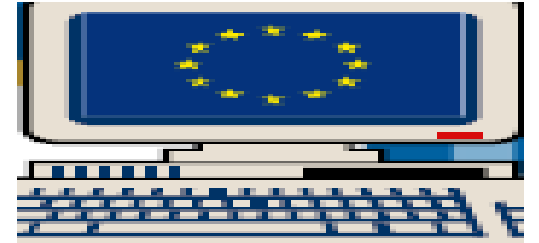
Electronic Submission System accessed from the call page

- ECAS password
- PICs for all partners
- Prepare proposal,
- On-line for structured part
- Upload non-structured part -pdf file(s)
- Submit the proposal!
- Validation checks
- Complete submission, before the 17h00 deadline

Submission failure rate = +1%

Only reason for failure; waiting till the last minute

- *Technical problems*
- *Panic-induced errors (uploading the wrong proposal)*
- *Too late starting upload, run out of time*



H2020 Online Manual

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/applying-for-funding/find-a-call_en.htm

European Commission Participant Portal H2020 Online Manual

> H2020 Online Manual > Grants > Applying for funding > Find a call >

Horizon 2020 structure and budget | What you need to know about Horizon 2020 calls

Find a call

Horizon 2020 offers a large variety of funding opportunities for [research and innovation activities](#) through calls for proposals that are set out in the Horizon 2020 work programme. On the Participant Portal you can find call information under [Funding opportunities](#).

Already familiar with EU research funding?




You can go directly to the [H2020 calls](#) and filter open calls that interest you in the relevant programme sub-division.

New to EU research funding?

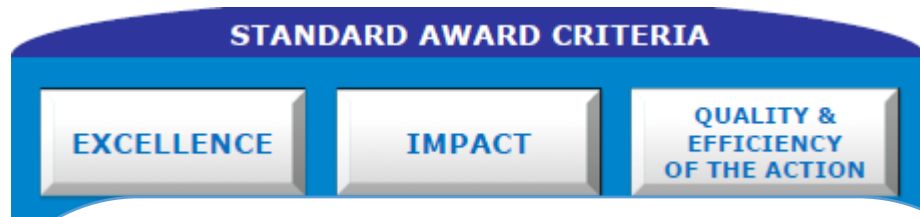
Go to [Search topics](#) to find topics that belong to open or upcoming calls. You can search in the text of the call and topic titles, call and topic identifiers, topic description and keywords and tags related to this topic. For more extensive search in various fields of the call and topic pages, you find on the same page a link to the Europa search that functions and presents the results in a similar way as Google search. You can also search for previous (closed) calls, as a guide.

Where To Find Calls Information?

Call Information sources and their content:

	H2020 biannual work programmes	Contain content and timing of calls Call conditions (even before publication on this site)
	EU Official Journal	Publishes notifications of calls for proposals
	Participant Portal " Funding Opportunities "	<ul style="list-style-type: none">• Publication of calls• Related key documents & guidance• News about upcoming calls

Evaluation criteria



1. Excellence

- *Clarity of the objectives;*
- *Soundness of the concept, including trans disciplinary considerations;*
- Credibility of the proposed approach;
- *Ambition, progress beyond the state of the art.*

2. Impact: [...] contribution to:

- *The expected impacts listed in the work programme*
- Enhancing innovation capacity and integration of new knowledge;
- Strengthening the competitiveness and growth of companies by developing innovations meeting the needs of European and global markets;
- ...measures to, disseminate and exploit the project results, ... communication.

3. Quality and efficiency of implementation

- Coherence and effectiveness of work plan, ... allocation of tasks, resources;
- Competences, experience and complementarity of the individual participants, as well as of the consortium as a whole;
- Appropriateness of the management structures and procedures....risk management.

- ERC frontier Research actions only EXCELLENCE
- Innovation actions higher weighting for "IMPACT"
- Proposal evaluated by the experts "as it is"
- and not as "what could be" = no need for negotiation

First stage considerations
in RED

Projects of support

<https://ri-links2ua.eu/>

Project information | Policy Support & Innovation | Capacity Building | Working Tools | Contacts

RI-LINKS2UA
STRENGTHENING R&I | LINKS TOWARDS UKRAINE

RI-LINKS2UA project provides input to EAP Panel on Research and Innovation 2016 annual event
[READ MORE](#)

EaPPLUS
Eastern Partnership +

Project | Policy Dialogue | Participation in H2020 | R&I Partnership | Policy Framework | Communication | Information

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incrEAST

Information Exchange in Science, Technology and Innovation between the EU and Eastern Europe, South Caucasus, and Central Asia

→ incrEAST is a one-stop information platform for scientists, research organisations, policy stakeholders, and companies from the → EU Member States | → Associated Countries and from the → Eastern Partnership Countries, → Central Asia, and → Russia who are (or want to become) active in → international science, technology and innovation cooperation between these regions.

Latest news | → more...

Ukraine joins the Euratom Research and Training Programme 29.06.2016

On 27 June 2016, the European Union and Ukraine have concluded an agreement on the association of Ukraine to the Euratom Research and Training Programme. The agreement was signed in Brussels by Carlos Moedas, European Commissioner for Research, Science and Innovation, and Pavlo Klimkin, Minister of Foreign Affairs of Ukraine, in the presence of Petro Poroshenko, President of Ukraine. → [more...]

New: Update of incrEAST Country Reports 2016 27.06.2016

The incrEAST Country Reports are currently being updated. New data for Tajikistan and Kazakhstan are now online, a 2016 update for Uzbekistan will be available by the end of this week. The country reports for Armenia and Ukraine have already been updated in 2016. incrEAST Country Reports provide detailed information about the scientific landscape, research structure, STI policies and international cooperation activities of 12 countries in Eastern Europe, the South Caucasus and Central Asia. → [more...]

Important events | → more...

INCENET EASTERN PARTNERSHIP
IncoNet EAP is a project funded under

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Info - News for EaP STI Stakeholders

SORTED ASCENDING BY TITLE

FILTER

SEARCH IN TITLE:

→ FULLTEXT-SEARCH

IMPORTANT

EaPPLUS
Eastern Partnership +
EU-EaP Cooperation Barometer - Survey 2017

MAR 28 2017

NEWS - HUNGARY

EU-EaP International Cooperation Barometer – take part in our survey until 14 April!

The EaP PLUS project aims to stimulate cooperation and support the bi-regional Science, Technology...

[MORE](#)

erc

APR 20-21 2017

EVENT - TBILISI - GEORGIA

European Research Council's 10th Anniversary event in Tbilisi

The ERC 10th anniversary commemoration event under the title "Beyond 10 Years of the ERC. Supporting Excellent Researchers..."

[MORE](#)

OE

MAR 24 2017

DOCUMENT - FRANCE

SME Policy Index: Eastern Partnership Countries 2016

The SME Policy Index is a benchmarking tool designed for emerging economies to assess SME policy frameworks and monitor ...

[MORE](#)

<https://www.eap-plus.eu/>

Thank you for your attention!

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R&I → LINKS → UA
STRENGTHENING R&I → LINKS TOWARDS UKRAINE

