

Horizon 2020
*The EU Framework Programme for Research and Innovation
2014-2020*



Horizon 2020 Information Day on Energy and Environment
April 7, 2017
Kyiv, Ukraine



EU Framework Programs

EaPPLUS
Eastern Partnership +



FP1
3.3 billion €
1984-1987

FP2
4.4 billion.€
1987-1991

FP 3
6.6 billion €
1990-1994

FP 4
13.2 billion
€
1994-1998

FP 5
14.9 billion.
€
1998-2002

FP 6
17.5 billion.
€
2002-2006

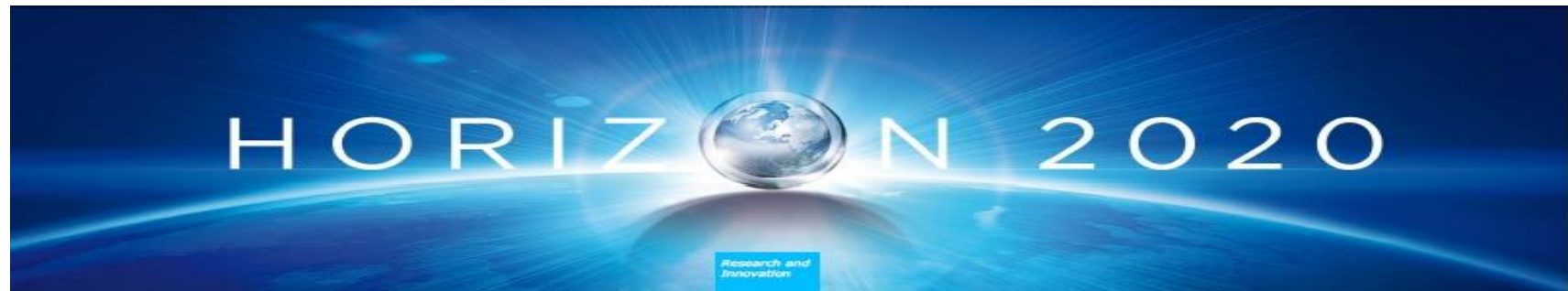
FP 7
50,5 billion. €
2007-20013

H 2020
РП8
78,8 billion €
2014-2020



What is Horizon 2020

- **The European Union programme for research and innovation for 2014-2020**
- **A budget €80 billion;** 30 per cent higher in real terms than the 2007-2013 period (FP7)
- **A core part of Europe 2020, Innovation Union & European Research Area:**
- **A single programme** *bringing together three separate programmes/initiatives:*
 - The 7th research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)*
- **More innovation,** *from research to retail, all forms of innovation*
- **Focus on societal challenges** *facing EU society, e.g. health, clean energy and transport*
- **Simplified access,** *for all companies, universities, institutes in all EU countries and beyond.*



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)
- **Simplification** of particular benefit to SMEs (e.g. single entry point)
- **Eurostars joint programme** with Member States and associated countries for research-intensive SMEs
- **Support measures under 'Innovation in SMEs'** - networking and brokering; SMEs to 'spin in' technology by connecting to researchers and innovators across Europe
- **Access to risk finance** to have a strong SME focus - (debt and equity facilities)

ASSOCIATION TO H2020 =

FULL ACCESS TO ALL ACTIVITIES

- FULL ACCESS TO ALL H2020 FUNDED ACTIVITIES (SAME CONDITIONS AS EU MSs), including now parts only limited to EU MS and ACs, e.g. ERC grants, SME instrument, Access to risk finance, capacity-building instruments,..
- +
- PARTICIPATION TO THE PROGRAMME GOVERNANCE STRUCTURE (14 PROGRAMME COMMITTEES + JRC Board of Governors)
- +
- PARTICIPATION TO EUROPEAN RESEARCH AREA (ERA) STRATEGIC GROUPS (ERA COMMITTEE; EUROPEAN STRATEGIC FORUM ON RESEARCH INFRASTRUCTURES; STRATEGIC FORUM on INTERNATIONAL COOPERATION)
- +
- PARTICIPATION TO EURAXESS (Researchers Mobility)
- INTEGRATION OF UKRAINIAN NCPs in ALL (22) EU NCP NETWORKS, COORDINATION ACTIVITIES and TRAININGS
- +
- POSSIBLE PARTICIPATION TO P2B, P2P INITIATIVES: JOINT PROGRAMMING INITIATIVES, JOINT TECHNOLOGY INITIATIVES, EUROPEAN INNOVATION PARTNERSHIPS
- +
- INTEGRATION OF UKRAINIAN INDUSTRY/ S&T COMMUNITY IN RELEVANT EU STRATEGIC NETWORKS (e.g. TECHNOLOGY PLATFORMS, KICs)

- IMPLEMENTATION= (VERY) COMPETITIVE
 - CALLS FOR PROPOSALS



Who can participate in Horizon 2020 Under which conditions?

Rules of Participation

3

In general:

- **at least 3 independent** legal entities from
3 different EU Member States (MS) or associated states (AS)

1

Exception:

- ERC, mobility programme
- SME instrument
- CSA

Explicitely mentioned in work programme

28 MSs

+

ACs

- Iceland
- Norway
- Albania
- Bosnia and Herzegovina
- Republic of Macedonia
- Montenegro
- Serbia
- Turkey
- Israel
- Moldova
- Switzerland
- Faroe Islands
- Ukraine**
- Armenia
- Georgia

EaPPLUS

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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: • 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.

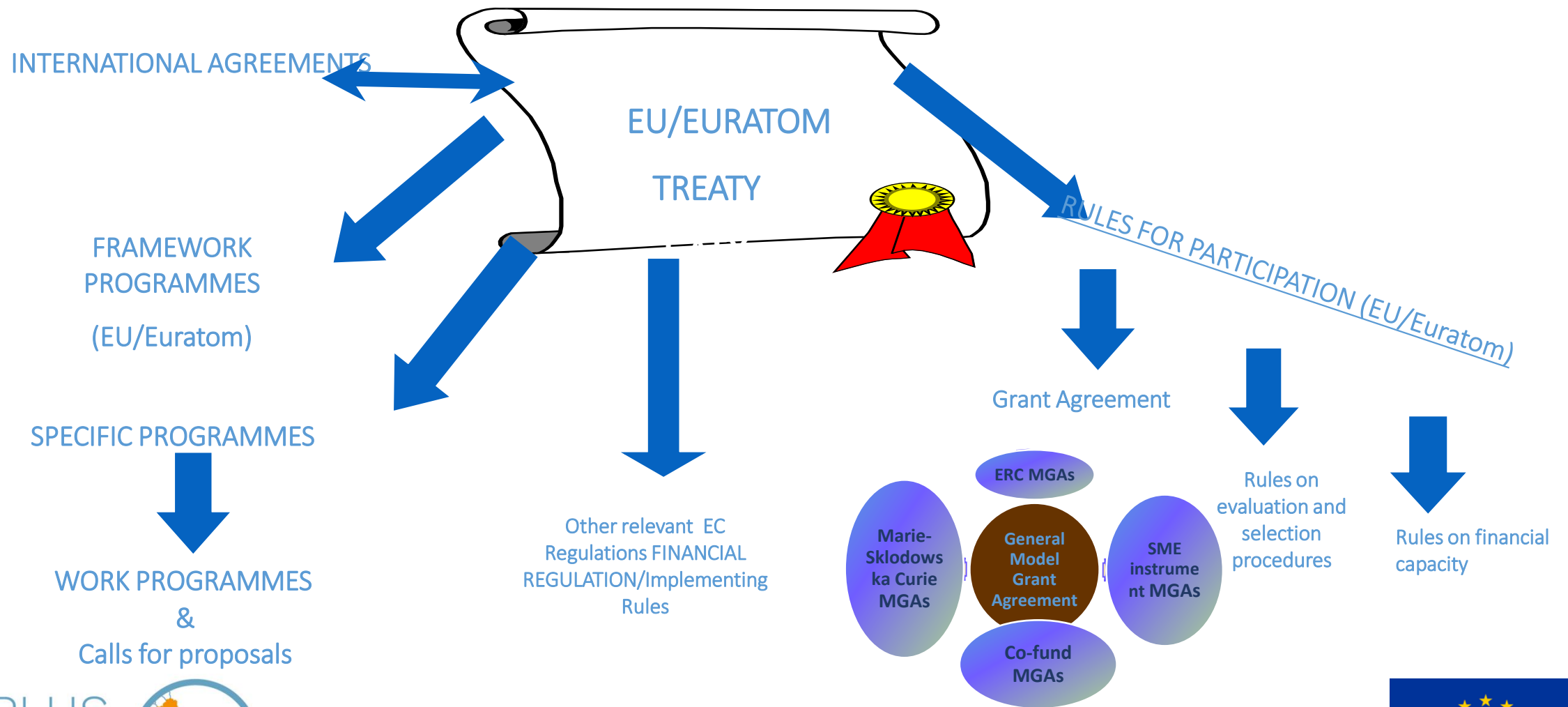
² Additional conditions may be listed in the respective Work Programmes.

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

⁴ MSCA = Marie Skłodowska Curie Actions

Source: <https://www.euresearch.ch>

Legal Framework



Evaluation of proposals



Excellence	Impact	Implementation
Clarity and pertinence of the objectives	Expected impacts as described in the topic	Coherence and effectiveness of the work plan
Credibility of the approach	Enhancing innovation capacity	Appropriate allocation of tasks and resources
Soundness of the concept	Strengthen the competitiveness and growth of companies	Complementarity of participants
Ambition, innovation potential (beyond state of the art)	Dissemination of project results	Appropriate management structures and procedures
Min 3 out of 5	Min 3 out of 5	Min 3 out of 5
Overall: Min 10 out of 15		

ERC frontier Research actions only EXCELLENCE

Innovation actions higher weighting for "IMPACT"

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>

Participant Portal

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



- On this site you can find and secure **funding** for research & innovation projects under the following EU programmes:

- **2014-2020** Horizon 2020 - research and innovation framework programme
- **2007-2013** 7th research framework programme
- Competitiveness & Innovation Programme (CIP)

Non-registered users

- search for funding
- read the funding guide & download the legal documents
- check if an organisation is already registered
- contact our support services or check our FAQs

Registered users

- submit your proposal
- sign the grant
- manage your project throughout its lifecycle

Main steps



- **1. Strategy**
- Define to what extent participating in an EU research and innovation project can be part of your organisation's?
- **2. Work Programme and topics**
- **3. Partners**
- **4. Project set-up and proposal drafting**
- **5. Submission**
- Create an account on the Participant Portal to submit your proposal online before the deadline.



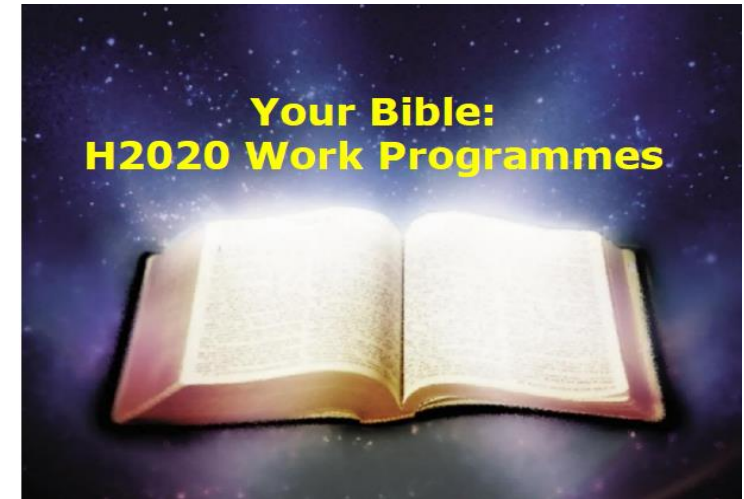
The importance of the Work Programme

Respective calls for proposals, overall objectives, topics within each call
Calls 2016-2017

https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/master_calls.html

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

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>

Social media

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

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

Partnering events

[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

[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



PIC organization code

A to Z | Sitemap | Search | About this site | Contact | Legal Notice | English (en)



RESEARCH & INNOVATION Participant Portal

European Commission > Research & Innovation > Participant Portal > My Organisations > Search Legal Entity

Home Funding Documents My Organisations Experts Support

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LOGIN

 Login

[Register your account](#) 

NEED HELP?

- [Frequently Asked Questions](#)
(NEW) [Electronic-only submission of Forms C \(Quick info\)](#)
[Experts area \(Quick info\)](#)
- [User manual](#)
(NEW) [Electronic proposal submission user manual](#)
- [Presentations](#)
(NEW) [Submission of](#)

SEARCH LEGAL ENTITY

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.



Please enter the captcha code :



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

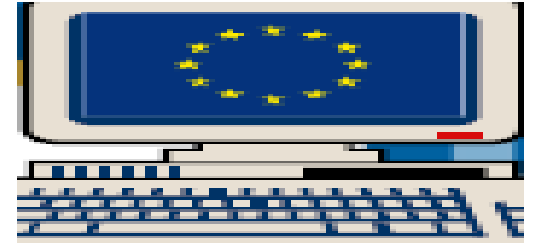
Submission failure rate = +1%

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*



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H2020 Online Manual

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

Participant Portal H2020 Online Manual

H2020 Online Manual

- My Area - User account & roles
 - > Login with ECAS
 - > Roles & access rights
 - > Terms and Conditions of Use
- Grants
 - Applying for funding
 - Find a call**
 - > Horizon 2020 structure and budget
 - > What you need to know about Horizon 2020 calls
 - > Find partners or apply as individual
 - Register in the Beneficiary Register
 - > Registration of your organisation
 - > LEAR appointment
 - > Validation of potential beneficiaries
 - > Financial viability check
 - > Data update
 - > Certifications
 - > Submit a proposal
 - From evaluation to grant signature
 - > Eligibility check
 - Evaluation of proposals
 - > Eligibility and evaluation criteria
 - > Evaluation process and results
 - > Grant preparation
 - > Grant signature
 - Grant management

> 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





Links

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

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/enquirie>

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>

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

Horizon 2020 work programme 2018-2020

- Strategic Programme Overarching Document -

http://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/stratprog_overarching_version_for_publication.pdf

3.2 Priorities for Work Programme Part (2018-20)

The following table lists in brief the main priorities which have been identified for each of the work programme parts for 2018-20, as a result of the strategic programming exercise.

Work programme part	Priorities
(European Research Council)	
Future and Emerging Technologies	<ul style="list-style-type: none"> Renewing participation in FET - Open and stimulating continuity with other parts of Horizon 2020 Aligning (part of) FET-Open with ERC Stimulating innovation from FET projects Proactive initiative on HPC Providing sustained support for the implementation of the two ongoing Flagships, Graphene and HBP Providing support for the definition and implementation of new Flagships Enhance articulation between FET-Open, FET-Proactive, FET-Flagships and other parts of the programme
Marie Skłodowska-Curie actions	<ul style="list-style-type: none"> Empowering researchers Widening participation Equal opportunities and inclusion International mobility and cooperation Intersectoral mobility and research-business cooperation
European research infrastructures (including einfrastructures)	<ul style="list-style-type: none"> Addressing the long term sustainability of pan European research infrastructures through a life cycle approach Supporting interoperability and the European Open Science Cloud Structuring the European landscape by integrating and opening Research Infrastructures of European interest Demonstrating the role of Research Infrastructures in the translation of Open Science into Open Innovation
LEIT - Information and communication technologies	<ul style="list-style-type: none"> Ensuring future-proof connectivity and preparing for the internet of the future Building on European strengths and supporting the digitization of industry Building a competitive and inclusive data-driven economy and society Setting up large-scale pilots addressing cross-sector challenges Boosting digital innovation capacity across Europe and supporting standards Exploring new high-potential areas Further developing an ambitious international agenda serving our Digitising European Industry strategy
LEIT - Nanotechnologies,	<ul style="list-style-type: none"> Industrial Solution Revolution

9

Advanced materials, Advanced manufacturing and processing, Biotechnology	<ul style="list-style-type: none"> Digitising European industry Decarbonising European industry Industry in the Circular Economy
LEIT - Space	<ul style="list-style-type: none"> Support the market uptake of, investment in and evolution of EU flagship space programmes Copernicus and EGNSS Strengthening the competitiveness of the European space sector including for critical components and systems Ensure Europe's accessibility to react to and anticipate disruptive changes in access to space Managing threats from space
Access to risk finance	<ul style="list-style-type: none"> Continuing and sustaining the financial instruments and accompanying measures launched in 2014-2015 and 2016-2017 Intensified cooperation between InnovFin and EFSI Support for the preparatory/rolling phase of a potential European Innovation Council
Innovation in small and medium-sized enterprises	<ul style="list-style-type: none"> Building further upon the innovation potential of SMEs for the development of new industrial value chains facilitated by clusters and strengthening innovation management capacities in SMEs Building further upon the innovation potential of SMEs for the development of new industrial value chains facilitated by clusters and strengthening innovation management capacities in SMEs Helping SMEs explore new innovation trends with disruptive potential to give competitive edge to the most agile of Europe's innovating SMEs, including through the activities of a potential European Innovation Council Helping innovation-driven SMEs better recognise market opportunities, understand competing innovative solutions Addressing skill gaps in SMEs which hamper innovation and scaling-up (such as innovation management capacity, access to skilled workforce, leadership able to manage the scaling-up process) Stimulate EU-level knowledge exchange, peer-to-peer learning and integration between national research and innovation support programmes for SMEs
Health, demographic change and wellbeing	<ul style="list-style-type: none"> Better health and care, economic growth and sustainable health systems Decoding the role of the overall environment for health and well-being Digital transformation in health and care Trusted big data solutions and cybersecurity for health and care
Food security, sustainable agriculture and forestry, marine and maritime and inland water research	<ul style="list-style-type: none"> Addressing climate change and resilience on land and at sea Making the transition towards a circular bioeconomy Functional ecosystems, sustainable food systems, healthy lifestyles

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

on RESEARCH AND INNOVATION annual event "Horizon 2020 NCPs training"

RI-LINKS2UA project provides input to EaP Panel on Research and Innovation 2016 annual event

HORIZON 2020

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...

incrEAST is a project funded under

INCRFAST NEWSLETTER

→ download current issue (No31)

31 May 2016

(quarterly: end of February, May, August and November)

→ go to newsletter archive

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Info - News for EaP STI Stakeholders

SORTED ASCENDING BY TITLE

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SEARCH IN TITLE:

→ FULLTEXT-SEARCH

□ IMPORTANT

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

erc
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..."

OE
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 ...

EaP Eastern Partnership +

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





Olena Koval
NIP/Ukraine
office 801, 180, Gorkiy Street, Kyiv, 03680, Ukraine
Tel/fax: +380 44 529 0332
E-mail: nip@fp7-ncp.kiev.ua
o_koval@h2020.com.ua
Web: h2020.com.ua

Thanks for your attention



NCPs/Ukraine

***Financial & Legal
Issues***

***Access to Risk
Finance***

