

How to write a successful proposal in H2020.

Practical information for participation

12 June 2018



## **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)



#### Excellence Science

#### European Research Council

Frontier research by the best individual teams (ERA)

#### Future and Emerging Technologies

Collaborative research to open new fields of innovation

#### Marie Sklodowska Curie Actions

Opportunities for training and carrer development

 Research Infrastructures (Including e-infrastructure)
 Ensuring access to world-class facilities

#### Industrial Leadership

Leadership in enabling and industrial technologies

- ICT
- Nanotechnologies materials, biotechnologies, manifacturing
- Space

#### Access to risk finance

Leveraging private finance and venture capital for research and innovation

#### ■ Innovation in SMEs

Fostering all forms of innovationin all types of SMEs

#### Societal Challange

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research, and the bio-economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Europe in a changing world – inclusive, innovative, reflective societies
- Secure Societies

#### European Institute of Innovation and Technologies (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

Euratom

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

3 Internet portals related to Horizon 2020:

RESEARCH on EUROPA

→ policy context <a href="http://ec.europa.eu/research">http://ec.europa.eu/research</a>

PARTICIPANT PORTAL

CORDIS

→ interactions with participants
<a href="http://ec.europa.eu/research/participants/port">http://ec.europa.eu/research/participants/port</a>

→ dissemination of results <a href="http://cordis.europa.eu">http://cordis.europa.eu</a>





## Horizon 2020. Calls 2018-2020

- €30 billion for three years+€1 billion for 30 flagship initiatives with specific countries in areas of mutual benefit.
- Horizon 2020 homepage: <a href="http://ec.europa.eu/programmes/horizon2020/en">http://ec.europa.eu/programmes/horizon2020/en</a>
- Calls for proposals: <a href="http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html">http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html</a>

## **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 (?)



## Time to grant: speeding up the process

A maximum TTG of 8 months

## 5 months

for informing all applicants on scientific evaluation

3 months for signature of GA

Some exceptions apply

## Time to grant: speeding up the process

### How to speed up the process

- No more negotiations:
  - each proposal evaluated 'as it is',
  - not as 'what could be';
- Legal entity validated in parallel.

## ✓ No more paper:

e-communication & e-signature of grants.



## **How to Apply?**

Using the Horizon 2020 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



## Find a suitable Call for Proposals

- Calls on the Participant Portal: http://ec.europa.eu/research/participants/portal/desktop/en/home.html
- Detailed information in the H2020 Online Manual http://ec.europa.eu/research/participants/docs/h2020-funding-guide/index\_en.htm

#### **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 Sklodowska-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)

## **Partners and Consortia**

#### Formal criteria

Minimum conditions

Standard collaborative actions:

- At least three legal entities each established in a different Member State or an Associated Country;
- ERC, SME instrument, programme co-fund, coordination and support, training and mobility actions:

One legal entity established in a Member State or in an Associated Country.

Additional Conditions
 In the work programme or work plan.

#### **28 MSs**



#### **ACs**

- Iceland
- Norway
- Albania
- Bosnia and Herzegovina
- •the former Yugoslav Republic of Macedonia
- Montenegro
- Serbia
- Turkey
- •Israel
- Moldova
- Switzerland
- Faroe Islands
- Ukraine

## Calls not requiring consortia

- •Coordination and Support Actions can be submitted by one legal entity established in a Member State or associated country only.
- •The SME Instrument only requires one SME from a EU Member State or associated country to submit a proposal.
- •European Research Council (ERC) grants fund single Principal Investigators working in a host institution in a EU Member State or associated country (for more information, see the chapter on the ERC).
  •Individual Fellowships, which
- are part of the Marie
  Sklodowska-Curie Actions,
  address individual researchers
  (and their host institutions) (for
  more information, see the
  chapter on the Marie
  Sklodowska-Curie Actions).

## **Costs Reimbursement**

direct eligible costs

personnel costs

material costs

travel costs

subcontracts

project specific costs

New VAT

open access costs

ineligible costs

customs duty

exchange rate loss

debts

costs in other projects

inappropriate costs

**Personnel costs** 

Wider acceptance of average personnel costs

Acceptance of supplementary payments (for non-profit organisations of up to 8000 euros/year/person)

**Simplifying participation for SMEs** 

Less requirements for time records

...and more in the Horizon 2020 Grant Agreement

## Your strategy in proposal writing

## **Strategy for Newcomers**

Learning the Rules and ProceduresContacting established networks and experience

## **UKRAINE/EU**



## Policy Drive for S&T Ukraine-EU cooperation

- Agreement on Co-operation in Science and Technology between the European Community and Ukraine (July 4, 2002)\*
- Agreement between Ukraine and the European Union on the participation of Ukraine in the Union programme Horizon 2020 the Framework Programme for Research and Innovation (2014-2020) (March 20, 2015

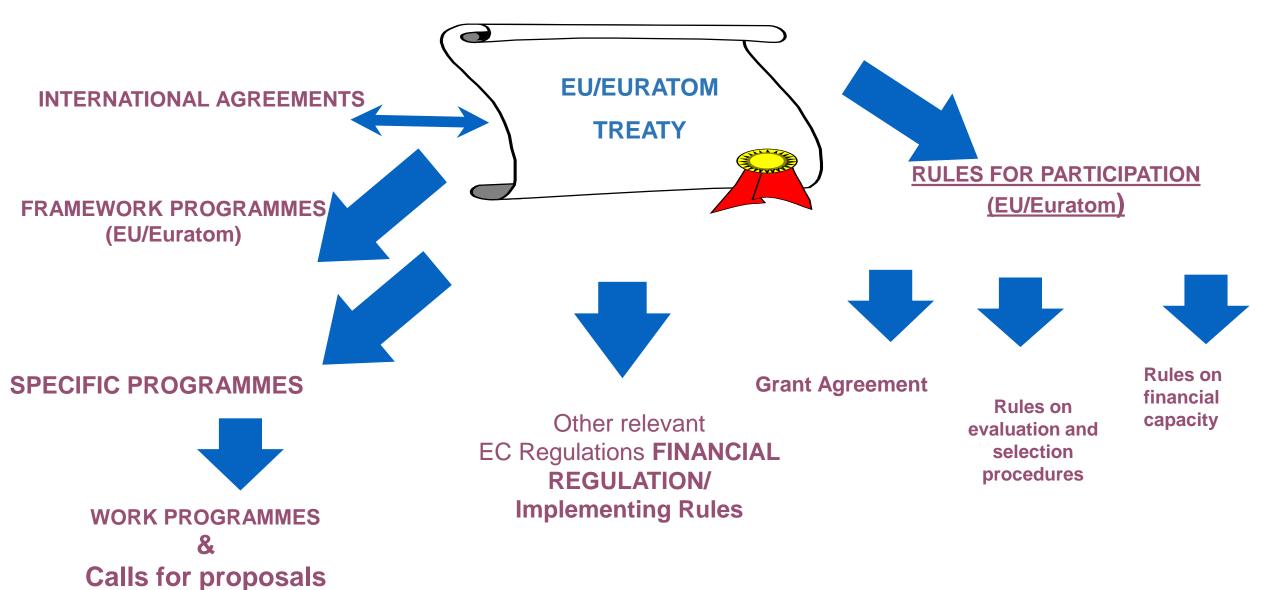
#### 15 July 2015,

The Verkhovna Rada of Ukraine adopted the Law "On Ratification of the Agreement by Exchange of Notes on Renewal of the Agreement on Scientific and Technological Cooperation between the European Community and Ukraine"

## **MUST KNOW: Internal regulations**

- Постанова Національного банку України «Про внесення змін до постанови Правління Національного банку України від 13.12.2017 № 129» щодо звільнення від обов'язкового продажу валютних кошт
- Постанова Кабінету Міністрів України, N 579, 12.08.2015
  - «Про затвердження Положення про порядок реалізації права на академічну мобільність», Положення про умови матеріального забезпечення осіб, направлених за кордон на навчання та стажування»
- Постанова Кабінету Міністрів України, № 98, 02.02. 2011
- «Про суми та склад витрат на відрядження державних службовців, а також інших осіб, що направляються у відрядження підприємствами, установами та організаціями, які повністю або частково утримуються (фінансуються) за рахунок бюджетних коштів»
- ПКУ, Бухгалтерського облік за законодавством України: Амортизація...
- etc

## **Legal Framework**



# The Most Important Rules and Guidelines in a Nutshell Horizon 2020 Rules for Participation

The Rules for Participation form the legal basis of all the Model Grant Agreements and govern any legal aspects of Horizon 2020 that are not explicitly mentioned in the MGAs

http://ec.europa.eu/research/participants/data/ref/h2020/legal basis/rules participation/h2020-rules-participation en.pdf

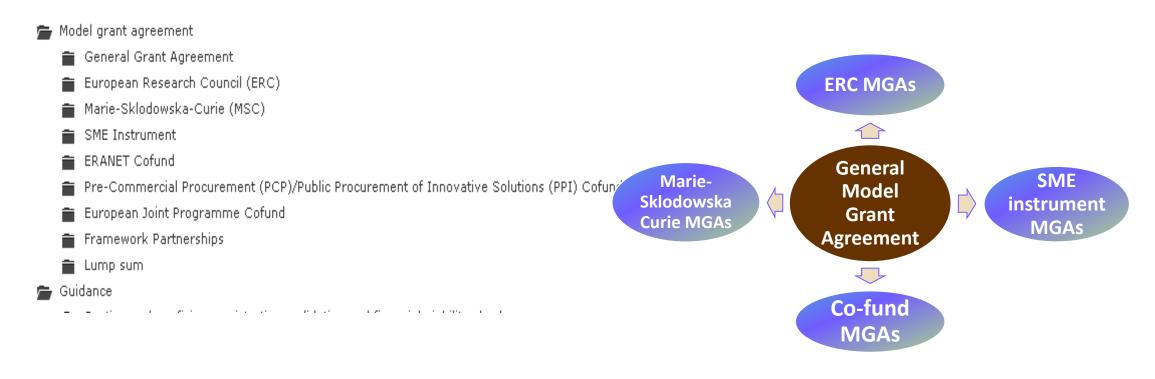
REGULATION (EU) No 1290/2013 OF THE EUROPEANPARLIAMENT AND OF THE COUNCIL of 11 December 2013 laying down the rules for participation and dissemination in "Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020)" and repealing Regulation (EC) No 1906/2006

# The Most Important Rules and Guidelines in a Nutshell General Model Grant Agreement (MGA)

The general GA specifies all the rights and obligations of the partners in the majority of project types. In Horizon 2020 we distinguish between the actual legal text http://ec.europa.eu/research/participants/data/ref/h2020/mga/gga/h2020-mga-gga-multi\_en.pdf and the annotated version (AMGA) <a href="http://ec.europa.eu/research/participants/data/ref/h2020/grants\_manual/amga/h2020-amga\_en.pdf">http://ec.europa.eu/research/participants/data/ref/h2020/grants\_manual/amga/h2020-amga\_en.pdf</a>, which explains and illustrates the legal text.

Certain programmes or types of actions, in particular the European Research Council (ERC) and the Marie Curie Sklodowska Actions (MSCA) have their own MGAs, which can be found on the reference page:

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\_docs.html#h2020-mga of the Participant Portal



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# The Most Important Rules and Guidelines in a Nutshell Consortium Agreement (CA)

Consortium Agreement (CA)

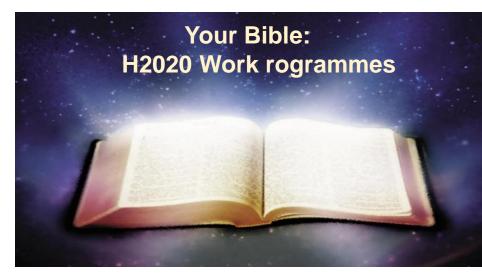
http://www.desca-2020.eu/

The CA determines the relationships among the project partners within a consortium, in particular with regard to governance, liability and intellectual property rights (IPR) www.iprhelpdesk.eu.

It must not conflict with the GA.

•

 The DESCA model is the most common CA template for collaborative projects, but other versions exist (to be found e.g. at the IPR Helpdesk).



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 etc

## **Work Programme**



EN

Horizon 2020

Work Programme 2018-2020

11. Smart, green and integrated transport

Important notice on the Harison 2020 Work Programme

This Work Programme covers 2009, 2009 and 2020. The parts that relate to 2009 as 2023 are presided at this stage on an indicative basis. Such Work Programme parts oil be decided during 2023 another 2019.

(European Commission Decision C(2017)7124 of 27 October 2017)

#### Morison 2020 v Work Programme 2010/2020 Smart, prove and integrated transport

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A GLOBAL LEADERSHIP AND COMPETITIVENESS

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#### LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning.

Specific Challenge: A metropolitan area, "agglomeration" or "commuter belt" (with important cross-docking activities), is a region consisting of a densely populated urban core and its less-populated surrounding territories, that is sharing industry, infrastructure and housing, an efficient multimodal transport network at different spatial levels is fundamental to allow a smooth functioning both in such areas and with their connected surrounding regions thus encouraging mobility and enhancing/preserving social inclusion. However, the transport infrastructure needed could cause important negative externalities and even induce unbridled subtrabusivities.

The introduction of new forms of people mobility and freight distribution, such as innovative soft mobility schemes, drive-sharing, ride-sharing, crowd shipping, crowd delivery, connected and automated vehicles, innovative flying vehicles, Mobility as a Service, could revolutionise transport demand with major consequences for the spatial organisation of cities and their local neighbourhoods. Mitigating the negative impacts of transport and substantially contribute to the achievement of the COP 22 goals must be pursased.

To address these challenges and in line with the guidelines to implement SUMP, a multidimensional approach is needed assessing new forms of mobility in all transport modes, their infrastructures, travel flux evolvement, spatial-economic development, environmental and quality-of-life issues, governance is:

behavioural aspects. Development of the proposed to support decision-make of their plans.

GNSS can contribute to boosting new transport infrastructure. A large poten GNSS with communication technology

Scope: Proposals should address one o

- Address environmental, sociometropolitan regions, whilst also issues should be included.
- Identification of new forms of radial transport infrastructure) we redesign of urban and low-densit development -, on urban space private service allocation pattern

Horizon 2020 - Work Pragramme 2018-2020 Smari, green and integrated transport

- for collective transport and transport planning, Identify ways to promote their implementation of the new forms of mobility both in passenger and freight transport.

   Use of geolocalization data, including Galleo and EGNOS for cooperative mobility in combination with other communication and telematic data to foster a more efficient use of infrastructure and reduction of air pollution.
- Suggest appropriate measures to ensure the lowest carbon and air pollutant level of transport with particular consideration for the interdependencies between different spatial patterns of production/consumption (i.e. localization of production sites and relevant schemes of distribution to final consumers) and the energy and carbon intensity of the related transport systems. Collection and analysis of comprehensive data to provide a sound basis for future planning.
- Comprehensive planning for the entire functional a commuter movements and/or freight distribution), extending the Sustainable Urban Mobility Plan (SU needs of metropolitan regions, new operating mod transport, overcoming social segregation and inequa in access to education, jobs, health and leisure. Inno state planning performance-based planning, see planning) should also be considered with the aim to and equaty in the mobility of all citzens groups. Coo balancing long-term environmental goals with oth land use and preservation of natural zones), develop inflastructure (e.g. light rail), upgrading repurpoon connectivity to the TEN-T and overall resilience of t
- Coordinated development of sustainable policies wit air-quality and noise-sensitive traffic management, long-term strategy, region-wide freight and logist innovative collective mobility promotion and incentic centres.

Involvement of local authorities, transport operators in appropriate implementation, in line with SUMP guid recording reactions of users to changes in infrastruct effects) to support future decision-making and ensu involvement is encouraged, as it is important to reach effe

The Sustainable Urhan Mobility Plan concept [see Annex I to CON area and proposes that action on urhan mobility is embedded in Therefore, these Plans should be developed in conception across of lard-use and spatial planning, environment, economic development concentificate to-level of government and administration; as well as a urban and raral. Sustainable Urban Mobility Plans are about finet integration of the different urban mobility modes.

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#### Horizon 2020 - Work Programme 2018-2020 Smart, green and integrated transport

Urban mobility is in transition. This is a result of, for example, changing user needs, emerging transport technologies, new transport services using new business models, and new institutional and financing structures. Greater data availability provides new opportunities for evidence-based policy and policy-andress aim at an ever-increasing integration of urban mobility policy with other sectorial policies. The impacts of this change will go far beyond the transport sector and influence other researchs that are transport-reliant.

The policy impacts, individually and in combination, of new solutions, which are at different levels of maturity, are not clear yet. There are many open questions about how policymakers should rent and how Sustainable Urban Mobility Plans (SUMN)s, and other sectorial policies that affect urban mobility, should respon and analyst to these potential disruptive changes. Therefore, research is necessary to improve the understanding of the impacts of new urban mobility solutions on policy making.

This topic covers passenger transport and freight transport. It covers urban and peri-urban areas. Special attention should be paid to the needs of vulnerable groups and users with different cultural backgrounds taking into account gender issues; and to the specific context of areas that are undergoing rapid economic change.

Scope: This topic will be implemented through two sub-topics with different types of actions: Proposals should address one of the two.

A) Research and innovation actions: This sub-topic asks to examine the impacts of new mobility solutions, addressing the changing mobility patterns and set up of mobility services, including possible negative effects, and covers all relevant transport modes (including active modes) and vehicle types. City-led proposals should address one or more of the following aspects:

- investments in and management of the transport network, with attention for facilities for recharging transport system resilience; and transport demand management tools (such as pricing; low emission zones; parking management; one way traffic);
- the specific challenges in areas undergoing rapid economic change, for example in institutional setup; policy coherence; policymakers mind-set; outdated or incomplete legislation/methodologies; and data/statistics;
- new operating and business models in collective public and private transport;
- pathways to tackling congestion and reducing levels of car use through decoupling economic growth and high mobility from traffic growth;
- implications for and interaction with urban planning and design including inputs for developing SUMPs.

Proposals should incorporate new data-driven planning approaches

The actions will also deliver at least three validated test cases (small pilot projects with quantified objectives in which public stakeholders and economic actors participate) that take

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# Participant Portal http://ec.europa.eu/research/participants/portal

## Participant Portal – one-stop shop

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

#### **Horizon 2020 Documents**

http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference\_docs.h

#### 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

RESEARCH & INNOVATION Participant Portal opean Commission > Research & Innovation > Participant Portal > Home Horizon 2020 Funding Starting from 1/1/2014 search for funding · submit your proposal · manage your project throughout its lifecycle check if an organisation is already registered · register as expert advising the Commission

## **Horizon 2020 National Portal**







#### Тиждень Горизонт 2020 в Національному університеті біоресурсів і природокористування України, 12-14 червня

O 04.06.2018 O 0

Семирічна програма (2014-2020 рр.) з бюджетом майже 80 мільярдів євро, програма "Горизонт 2020" є найбільшою програмою фінансування досліджень та інновацій в ЄС. 27 жовтня 2017 [...]



#### Інформаційний день Програми «ГОРИЗОНТ 2020», 29 травня 2018 року – м. Київ

O 22.05.2018 Q 0

29 травня 2018 року о 14:00 у Національному технічному університеті України «Київський політехнічний інститут імені Ігоря Сікорського» відбудеться Інформаційний день

# МОВА САЙТУ □ Українська □ English В ВАЖЛИВО Без рубрики Новини ПОШУК ПОШУК....

возліпи слійту

## **Projects of support**



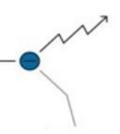




http://www.increast.eu









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NCPs/Ukraine

Financial & Legal Issues

Access to Risk
Finance







