Horizon 2020 – How it Works?!!

Presented by Flavien MASSI

From where it comes from?

Horizon 2020 is the 8th edition of the European Framework Programme for Research and Technological Development (FP).

Framework Programme	Period	Budget
FP1	1984–1987	3.8
FP2	1987–1990	5.4
FP3	1990–1994	6.6
FP4	1994–1998	13.2

Framework Programme	Period	Budget
FP5	1998–2002	15.0
FP6	2002–2006	17.9
FP7	2007–2013	50.5
H2020	2014–2020	72

Which research is funded?

All types of research and innovation are funded by H2020 Programme

- Fundamental research
- Applied research
- Technological development
- Technological demonstration

More budget is now allocated to applied research and technological development compared to FP7

- Good repartition between ‘Top down’ and ‘Bottom up’

Which costs are funded?

- Personnel costs
- Other direct costs
  - *Travel costs and subsistence allowances*
  - *Depreciation costs of equipment*
  - *Costs of other goods and services (including non-deductible VAT)*
- Costs of subcontracting
- Indirect costs (25% of direct costs)

What is funded?

- **Personnel costs** = (hourly rate x number of actual hours worked) + additional remuneration
- Hourly rate = $\frac{\text{actual personnel costs}}{\text{annual productive hours}}$
- Actual personnel costs = gross salary + social charges, sick/leave days contribution...

How much can I get?

FP Programmes are based on co-funding which means that part of the expenses has to be covered by the participants.

In H2020, the EU contribution is in the range of 0,5 to more than 7 m€.

The funding rate depends on:

- The type of project (e.g. Research Action, Innovations Action, Coordination and Support Action, etc.)
- The type of organisation (research organisation, private organisation, SME, NGO, etc.)

In general the funding rate is either 70% or 100% of direct costs.

When can I be paid?

Slow down! Before been paid, you must write a successful proposal!!

The EC publishes biennial H2020 Work Programmes with specific calls for proposals and research priorities/topics.

When you identify a relevant call for your project idea, you must build a consortium , structure your idea into a project and write it down using the EC's templates.

Competition is high and only the best proposal(s) is/are becoming funded project(s).

Reminder on H2020

It is important to know how the H2020 Programme is structured and the expectations of the EU regarding each pillar.

H2020 structure

Horizon 2020

Excellent Science

ERC

FET

MSCA

ERA

Industrial Leadership

Enabling and industrial technologies

Access to risk financing

Innovation in SMEs

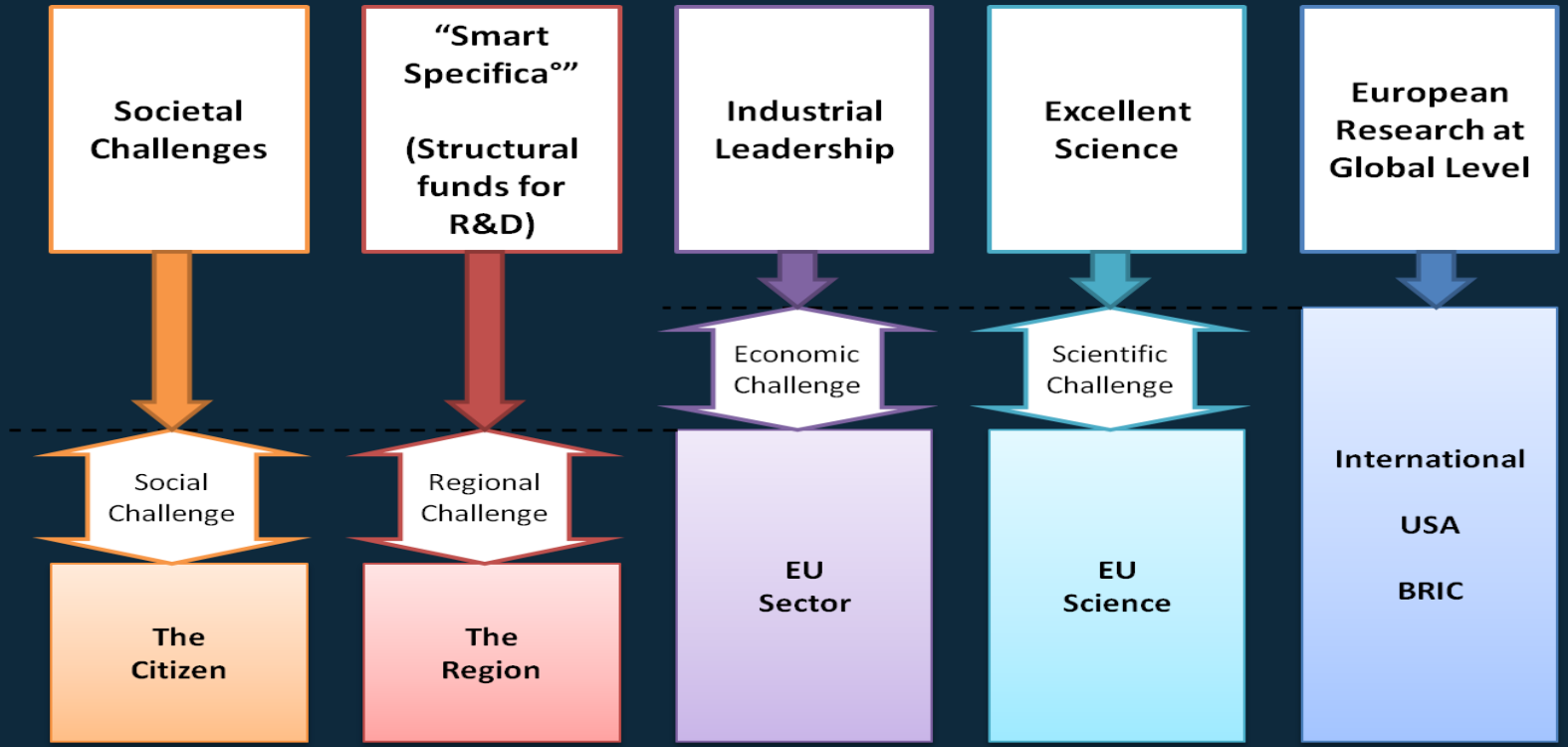
Societal challenge

Health
Food
Energy
Transport
Climate and resources
Inclusive societies
Secure societies

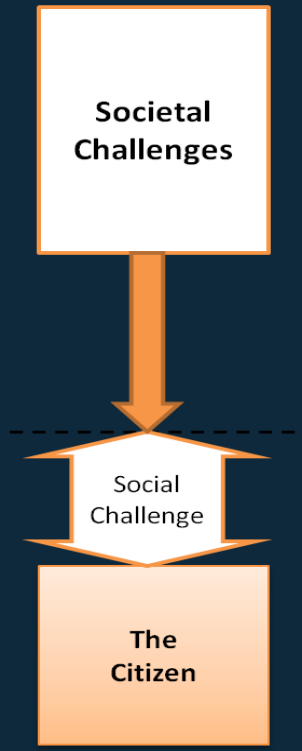
“Top Down” vs. “Bottom Up”

Industrial Leadership	➢ Leadership in enabling and industrial technologies ➢ Innovation in SMEs ➢ Access to Risk Finance Bottom Up
Societal Challenges	➢ Health, demographic change & wellbeing ➢ Food security, sustainable agricultures, marine and maritime research and bio-economy Top Down ➢ Secure, clean and efficient energy ➢ Smart, green and integrated transport Bottom Up ➢ Climate action, resource efficiency, raw materials ➢ Inclusive innovative and secure societies
Excellent Science	➢ The European Research Council ➢ Future and Emerging Technologies ➢ Marie Curie Actions ➢ European Research infrastructures Top Down

EU policies and H2020



EU policies and H2020



Societal Challenges

- Health, Demographic Change and Well-being Challenge
- Food Security and Bio-based Economy Challenge
- Secure, Clean and Efficient Energy Challenge
- Smart, Green and Integrated Transport Challenge
- Resource Efficiency and Climate Challenge
- Inclusive, Innovative and Reflective Societies Challenge
- Secure Societies Challenge

EU policies and H2020

Industrial Leadership

Leadership in Enabling and Industrial Technologies

- Information and Communication Technologies;
- Nanotechnologies, Advanced Materials, Production Technologies;
- Biotechnology;
- Space Technologies;

Innovation in SMEs

Access to Risk Finance

EU policies and H2020

Excellent Science

European Research Council

Future and Emerging Technologies (FET)

Marie Skłodowska-Curie Actions on skills, training and career development

Research Infrastructures

"This H2020 pillar aims at reinforcing and extending the excellence of the EU's science base and consolidating the European Research Area to make the EU's research and innovation system more competitive on a global scale."

Funding Schemes

It defines the type of project expected by the EC and indirectly the funded activities. A funding scheme will also define the funding rate of consortium partners.

Research and Innovation Action

Action primarily consisting of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service or solution. For this purpose they may include:

- Basic and applied research,
- Technology development and integration,
- Testing and validation on a small-scale prototype in a laboratory.
- Closely connected but limited demonstration or pilot activities.

Funding rate: 100%

Innovation Action

Action primarily consisting of activities aiming at producing plans, arrangements or designs for new, altered or improved products, processes or services. For this purpose they may include:

- Prototyping,
- Testing, demonstrating, piloting,
- Large-scale product validation and market replication,
- Limited R&D activities.

Funding rate: 70%

- except for non-profit legal entities, where a rate of 100% applies

Coordination and Support Action

Actions consist of accompanying measures such as:

- Standardisation, dissemination, awareness-raising and communication;
- Networking, coordination or support services;
- Policy dialogues and mutual learning exercises;
- Studies, including design studies for new infrastructure; and
- Complementary activities of strategic planning, networking and coordination between programmes in different countries.

Funding rate: 100%

SME Instrument

Phase 1

Concept and Feasibility assessment

Prepare a market study, business plan and/or a feasibility study. The EC usually give a lump sum (€50000)

Phase 2

R&D, Demonstration, market replication (70%)

Research and development will be supported with a particular focus on demonstration activities (testing, prototype, scale-up studies, design, piloting innovative processes, products and services, performance verification etc.).

Phase 3

Commercialisation

This phase will not provide direct funding other than support activities, but aims to facilitate access to private capital and innovation enabling environments. SMEs will also benefit from support measures like networking, training, coaching and advice.

Find the right call for proposal

Read relevant Work Programmes:

- Excellent science
  - *Future and Emerging Technologies*
  - *Marie Skłodowska-Curie Actions*
  - *European research infrastructures (including e-Infrastructures)*
- Industrial Leadership
- Societal Challenges
- Spreading excellence and widening participation
- Etc.

H2020

Lisbon Strategy
H2020 rules of submission and participation

Pillar « Societal Challenges »

- Mission and objectives
- 7 thematics (Health, Agriculture, Secure soc., etc.)

Societal challenge III « Energy »

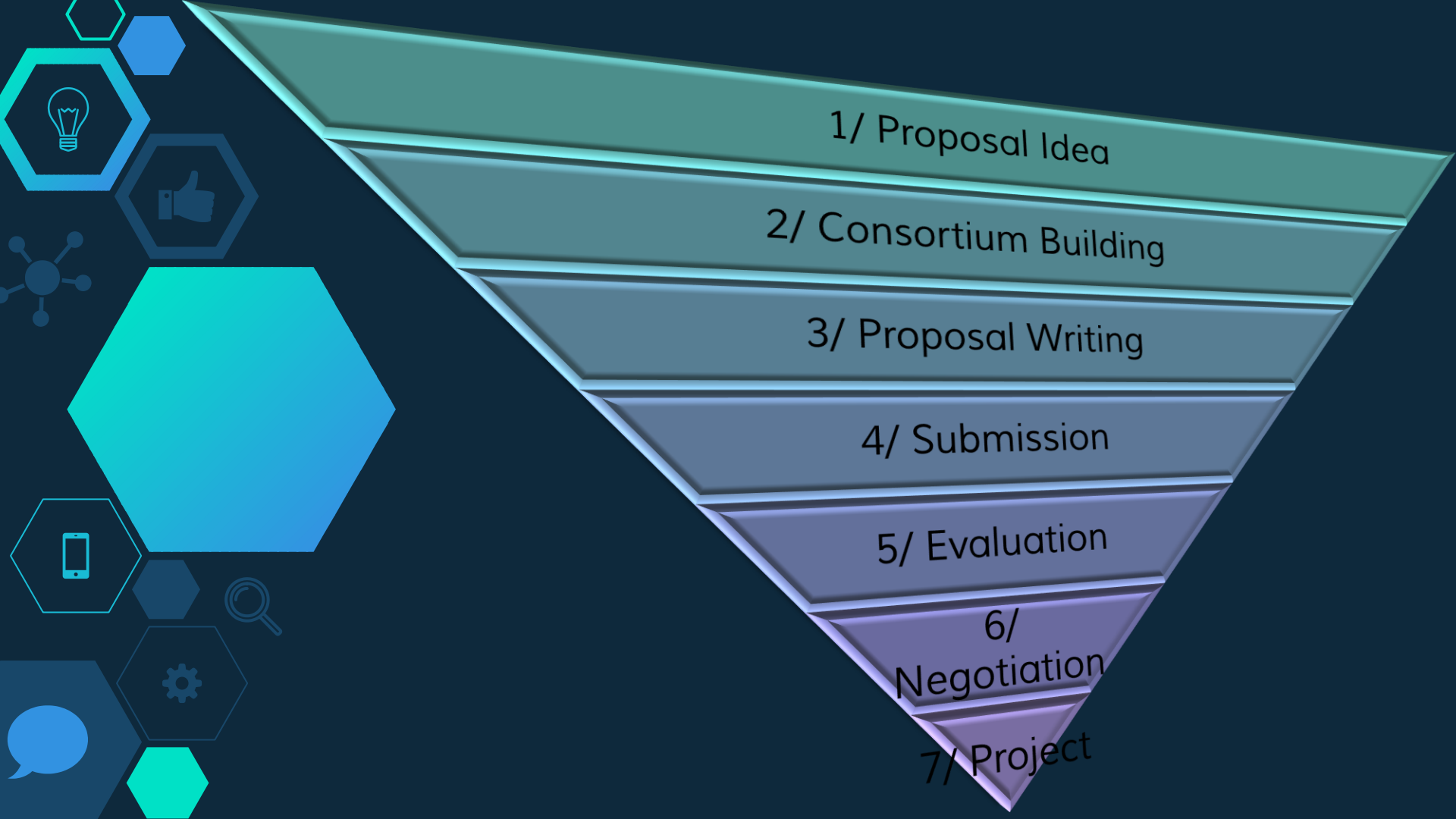
- Work Programme 2016-2017
- Calls for proposals and EU research topics

Call 2016
EU priority 'Buildings'

- *EE-13-2016*: « Cost reduction of new Nearly Zero-Energy buildings »
- EE-10-2016; EE-11-2016-2017; EE-14-2016-2017

Research Topic
EE-13-2016

Specific challenge, Scope, Expected impacts
Funding scheme, Deadline for submission


1/ Proposal Idea
2/ Consortium Building
3/ Proposal Writing
4/ Submission
5/ Evaluation
6/ Negotiation
7/ Project

Proposal Idea

Money never starts an idea. It is always the idea that starts the money.

Owen Laughlin

Proposal Idea

Everybody has ideas! All ideas are not good!!

Does your idea is beyond European/international state of the art?

Does your idea has a market potential?

- Is there is a need for your technology?
- Does another solution address the same need and does it address it better?

Is your idea in line with European research strategy?

- Does your idea fits a current H2020 call? Or a previous H2020/FP7 call?
- What are its socio-economical, scientific, environmental benefits?

Proposal Idea

Question yourself on the added value of your proposal idea and its potential for European S&T and economy.

Ask your ‘peers’ what they are thinking about your proposal idea and what is required to improve it.

Make an in-depth search on current and previous European/national projects and publications:

- To assess the state of the art and position your idea.
- To identify possible competitors and their advancement on the topic
- To identify potential partners for your proposal.

Bottom up approach

Instead of waiting for your research idea to be funded, why not identifying a call first and develop a project idea based on it?

Identify a call for proposal

If you want to participate to H2020 Programme in a profitable way, you must create opportunities.

Do not stick to your unique ‘Project Idea’:

- *Strong possibility it will never fit a H2020 call for proposal (Murphy’s law)*
- *If it is negatively evaluated you will be totally discouraged*

H2020 calls are targeting a specific domain but the description of the action is usually a bit… vague!

- *Learn how to translate a call for proposal*
- *Use your imagination to turn a call to your advantage*

Identify a call for proposal

H2020 Work Programme 2016-2017 – LEIT ICT, *133 pages*

- *Do not read everything!*

Focus on the most interesting calls:

- *Search in the 'Table of contents'*
- *Use the 'Find tool' with relevant keywords.*

Search for a specific funding scheme (RIA, IA, CSA)

Search in different Work Programmes

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Conditions for the Call - Information and Communication Technologies Call

Opening date(s), deadline(s), indicative budget(s):[50]

Topics (Type of Action)	Budgets (EUR million)		Deadlines
	2016	2017	
Opening: 20 Oct 2015			
ICT-37-2016 (CSA)	1.00		19 Jan 2016
ICT-38-2016 (CSA)	0.50		
ICT-38-2016 (RIA)	0.50		
ICT-39-2016-2017 (CSA)	0.80		
ICT-01-2016 (RIA)	19.00		12 Apr 2016
CT-01-2016 (CSA)	1.00		
T-02-2016 (RIA)	12.00		
T-02-2016 (IA)	8.00		
T-03-2016 (RIA)	17.00		
-03-2016 (CSA)	1.50		
06-2016 (RIA)	35.00		

ctor-General responsible for the call may decide to open the call up to one month prior to or after the
l date(s) of opening.
nes are at 17.00.00 Brussels local time.
tor-General responsible may delay the deadline(s) by up to two months.
ne(s) in 2017 are indicative and subject to a separate financing decision for 2017.
amounts for the 2016 budget are subject to the availability of the appropriations provided for in the
et for 2016 after the adoption of the budget 2016 by the budgetary authority or, if the budget is not
provided for in the system of provisional twelfths.
amounts for the 2017 budget are indicative and will be subject to a separate financing decision to
nounts to be allocated for 2017.

Section	Text	Translation
Specific challenge	improvements are sought on features such as reliability, manufacturability and performance.	improvements are sought in all these features
Specific challenge	The main challenge is to develop and also demonstrate prototypes	WP to manufacture prototypes and WP to test them.
Scope	ranging from vacuum deposition to printing under ambient conditions	Covering vacuum deposition and printing under ambient conditions
Scope	the hybrid integration of micro/nano-electronics (including thin silicon)	Must include at least thin silicon. What else?
Scope	with more functionality, better performance and longer lifetime	Quantify the existing and proposed solution
Scope	applications with high growth or high volume potential	Which applications? Several applications!!
Scope	Actions should demonstrate strong industrial and user commitment	At least two industrial partners and end-users in the consortium
Expected impacts	will contribute to one or more of the following impact criteria	will contribute to all of the following impact criteria

What the call says	What must be understood
And/or	And
Could	should
At least one of the following	All of the following
Is recommended	Is mandatory
This does not preclude submission and selection of proposals requesting other amounts	Do not even think about it!!
are expected to	Will

Consortium building

A pile of rocks ceases to be a rock when somebody contemplates it with the idea of a cathedral in mind.

Antoine de Saint-Exupery

Consortium Building

In most H2020 proposals you must have several partners:

- In general you need at least three (3) legal entities established in three (3) different Member States or Associated Countries.
- Exception for SME Instrument and other specific calls.

The call text sometimes specifies the type of partner you must include into your consortium:

- Industrial partners
- Governmental and/or Civil society organisations
- International partners

It is time to develop a strategy

A thourough strategy will reduce the time and efforts spent on building a H2020 consortium while increasing your chance to get the best partners on-board.

H2020 participation strategy

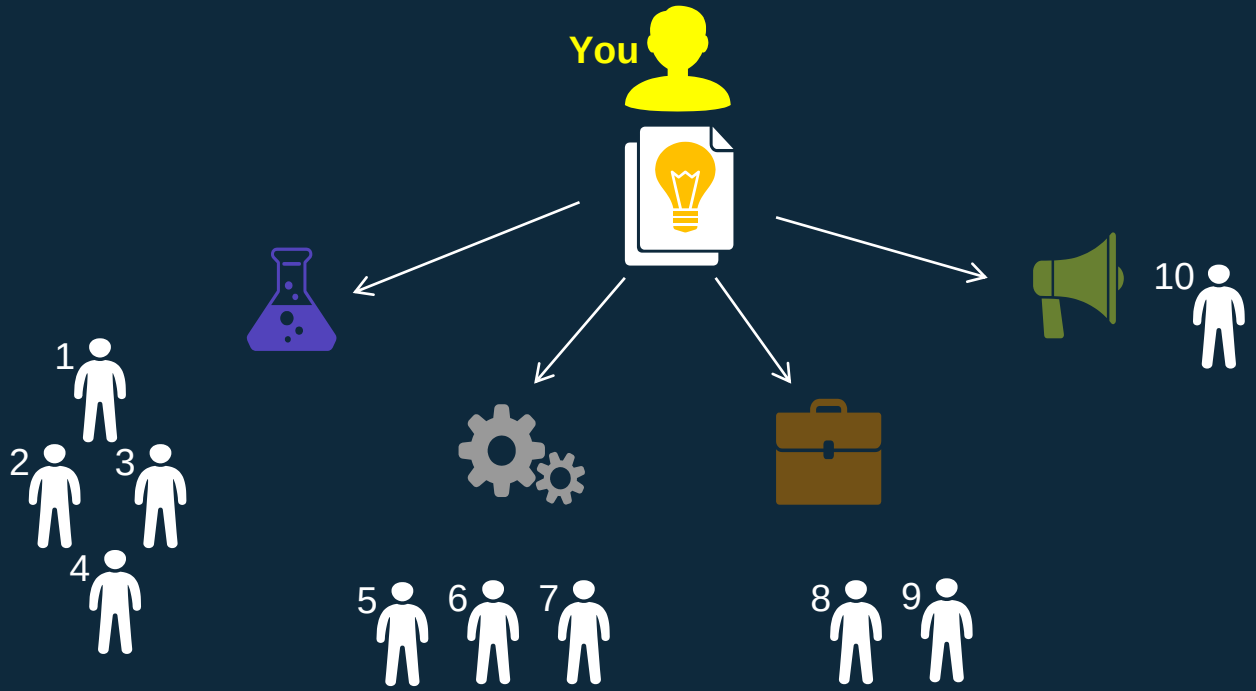
What is your overall strategy over H2020 Programme?

- ◇ To do research on a research idea initiated by yourself.
- ◇ To do specific activities on a research idea initiated by someone else.

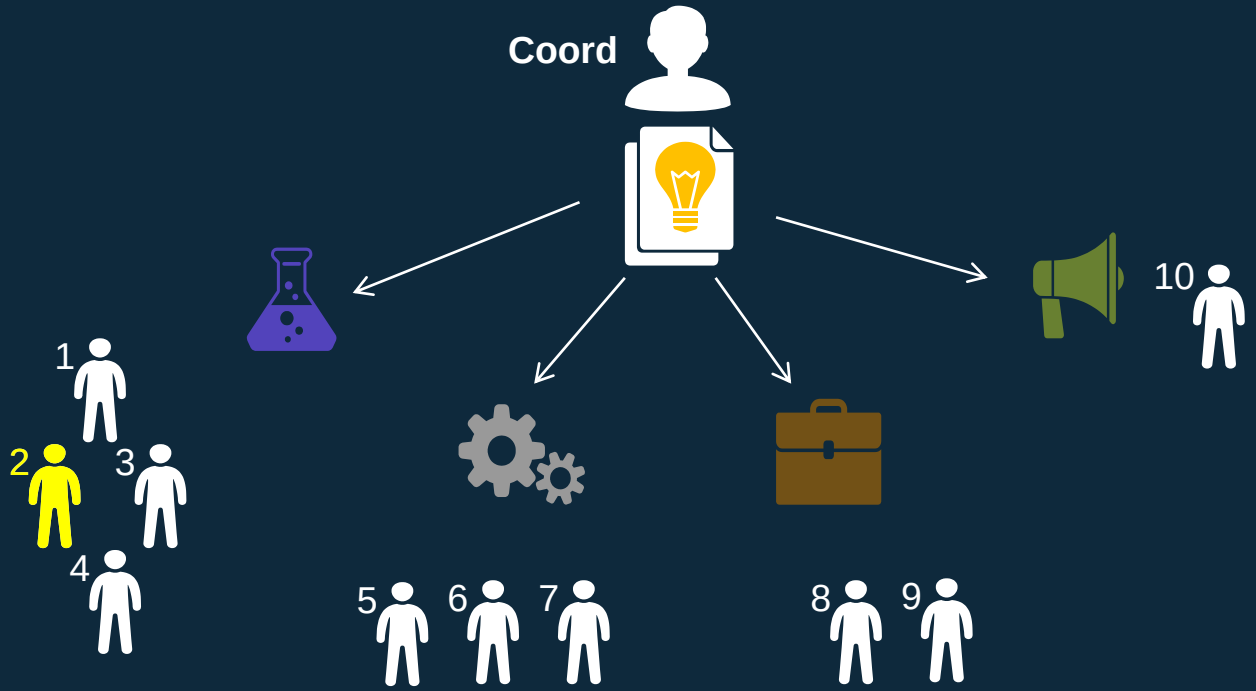
Identify your reasons for wanting to participate in H2020

- ◇ To increase my research/technology knowledge in general
- ◇ To become even better for my “own” research/technology platform
- ◇ To be recognised and well know in my specific research
- ◇ To network with EU countries
- ◇ To receive funding (but this should not be your main reason)
- ◇ To collaborate with successful European research organisations

H2020 participation strategy



H2020 participation strategy



Identification of partners

Identify the best European organisations for your project activities.

- One specialist for each project activity/task.
- Complementarity of partners is an essential aspect of your project.

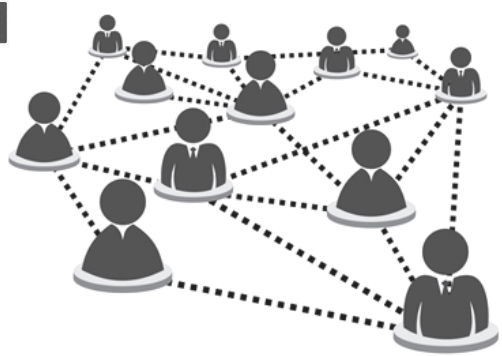
Then identify the best contact within the organisation.

Do not be afraid to contact them, out of the blue:

- They are also seeking for partnership and funding
- They maybe did not identify the call which is in their interest as well
- They will appreciate to work with experienced people, knowledgeable about H2020.

Identification of partners

- Cordis Project database
- Cordis Partner search
- Research*EU magazine
- EEN
- Ideal-ist Partner Search
- NMP Partnersearch
- ManagEnergy



Ideal-ist
www.ideal-ist.net
Consortium Area
Advanced Search
Site Map
Contact
Search
Enter the login area
Log in
New Proposer?
Representatives
Press
Country
Quality Label
Ukraine
YES
Russian Federation
YES
Italy
YES
Spain
NO
News
Ideal-ist: Challenge 3 Face2Face Brokerage Event in Basel
This ICT Networking Event is a collaboration with the European Commission, DG INFSO.
Exchange of Experiences between ICT Evaluators in FP7
Report of the Workshop: Finding and recommendations of this workshop can be downloaded here!
Ongoing and Upcoming Calls
Calls for proposals related to
Home | About NMP | NMP Team Partners | FAQs | Links | Contact Us
NMPTeAm
Partner Search
Events
News
Call Information
Library
Headlines
Forum
Partner Search - Partner Offer
new Productions
Login
Username (E-Mail address):
Password:
login
Registration
Password lost?
Navigation
Partner Search Home
List of partner searches
List of partner offers
Search for partner entries
European Commission
Energy
European Commission > ManagEnergy > Partner Searches
managenergy
Search
All
GO
Search for Partners
In the Partner Section you can look for Partners for your Intelligent Energy - Europe project proposals or other activities. When choosing an item in the side bar menu you can also create or update your profile or add your project idea.
Please note: For FP7 proposals you can also search the CORDIS partner search facility.
Advanced Search
Search
Select Language
Powered by Google Translate
Energy agency corner
Available searches
Potential partners
All organisations
Project ideas
All documents
Case studies
Search in all the above
Tasks
Add your organisation
Update your profile
Add your project idea
Partners
Partner search
Energy agencies
Public authorities
Other actors
Maps
Case studies
Case studies & good practice
Themes
Activities in cities & regions
Buildings
Energy efficiency

177 results for **horizon 2020**

" HORIZON 2020 " Framework Programme for Research & Innovation [Official Group] [Member]
The Official and the Largest **HORIZON 2020** LinkedIn Group: H2020 Calls, EU Funds & Grants, Partner Search for Projects, ...
11,001 discussions • 169,587 members
Similar
Post

Horizon 2020, Framework Programme for Research and Innovation Group [Member]
This group is dedicate to European research, development and innovation; open innovation; and to building an active ...
9,103 discussions • 97,457 members
Similar
Post

Horizon 2020 - News and Views [Member]
This is an open group where **Horizon 2020** stakeholders can exchange news and views about the new EU research and innovation...
601 discussions • 9,627 members
Similar
Post

Horizon 2020 & FP7 Consortium - Project - Partner - Business Idea [Member]
This group wants to respond to the need to collect and coordinate proposals for the latest Call of FP7 and new **Horizon 2020**...
1,712 discussions • 8,834 members
Similar
Post

Horizon 2020 Nanotechnology - Industrial Leadership [Member]
This subgroup is for people who are participating in or are interested in the nanotechnologies and **Horizon 2020**. The aim ...
780 discussions • 2,330 members
Similar
Post

Horizon 2020 Biotechnology and Bioeconomy [Member]
This subgroup is for people who are participating in or are interested in the Biotechnology and **Horizon 2020**. The aim of ...
697 discussions • 1,912 members
Similar
Post

Horizon 2020 Marie-Curie - Excellent Science
This group is dedicated to researcher and administrators who involved or who are interested in the Marie Curie **Horizon 2020**...
681 discussions • 10,523 members
Similar
Join

Horizon 2020 Information and Communication Technologies - Industrial Leadership
This subgroup is for people who are participating in or are interested in the ICT and **Horizon 2020**. The aim of the group ...
1,917 discussions • 8,040 members
Similar
Join

Horizon 2020 - EU Projects Partner Search
EU Projects Partner Search for all those organizations interested in finding parters / projects within the **Horizon 2020**
755 discussions • 6,009 members
Similar
Join

Contact potential partners

Prepare marketing material

- Even universities and research institutes need marketing material
- But, marketing material is often too long, unclear and uninteresting
- Prepare one page, A4 sized profile form – focused on a single research department or technology
- Highlight past international research experience
- See example marketing flyer overleaf

ktu faculty of chemical technology 1922

Visit the Department's webpage

Department of Polymer Chemistry and Technology

Who we are

The Faculty was founded in 1947. Full-time academic and research staff work at the Faculty: 142 people, 15 professors and 52 associate professors.

830 students are enrolled in the bachelor studies programmes (including full-time and extramural forms of studies); 192 master students are enrolled in the second stage of studies (master studies), and there are 50 doctoral students in the third stage of studies (doctoral studies).

What we do

The department is specialised in R&D of organic semiconductors and other electroactive materials which are widely used in modern optoelectronic and electronic devices. Materials exhibiting a balanced transport of both positive and negative charges are of particular interest for the application in OLEDs.

the aim of the Department is to provide the best-qualified polymer chemistry and engineering specialists and high-level international scientists in order to adapt their research results to world-class innovation.

Experience

FP7 AMBIPOD - Multicoloured ambipolar conducting polymers for single polymer optoelectronic devices

FP7 CEOSER - Centre of Excellence in Organic Semiconductor Research

FP7 DENDREAMERS - Functional liquid Crystalline dendrimers: Synthesis of New Materials, Resource for New Applications

Interests in H2020

H2020-ICT-02-2016: Thin, Organic and Large Area Electronics

H2020-ICT-31-2017: Micro and nanoelectronics technologies

H2020-MSCA-RISE-2016: Research and Innovation Staff Exchange

Contact

Juozas Vidas Grazulevicius
Head of Department of Polymer Chemistry and Technology
email: juozas.grazulevicius@ktu.lt
Tel. (+370) 37 30 01 93

Contact potential partners

Covering email / letter

- Keep the text short and concise
- Go straight to the point
- Explain clearly what your interest is:
  - *e.g. "We would like to join a consortium preparing a H2020 proposal for the topic ICT-02-2016 "Thin, Organic and Large Area Electronics"*
  - *We have the following idea for a proposal … (2-4 paragraphs)*
  - *We would like to be a consortium partner responsible for xXx activities*
- Prepare to be flexible depending on the response(s) received or not

Less is More!

Robert Browning

Proposal writting

… to be continued!

Next training in 2017

Be informed on the next UMi-TWINN training via our project website:

www.umi-twinn.com

Presented by Flavien MASSI