



STRENGTHENING R&I —————> LINKS TOWARDS UKRAINE

**Introduction on Horizon 2020 and the  
importance of impact, European Bank for  
Reconstruction and Development (EBRD)  
workshop, Kyiv, December 5-6, 2018**

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LINKS2UA Project





#InvestEUresearch

# Horizon 2020 Work Programme for Research & Innovation 2018–2020

Horizon H2020 – Open to the world

EXAMPLE: EC Horizon 2020 corporate identity

Official Horizon 2020 trailer from  
EU Science & Innovation:  
[https://www.youtube.com/watch?  
v=vpzR6mh8Tv8](https://www.youtube.com/watch?v=vpzR6mh8Tv8)

Research and  
Innovation

## Your Background

- **Do you have any experiences in or knowledge about Horizon 2020?**
  - Not at all
  - Basics
  - Already involved in a proposal
  - Experience in funded projects

# The five targets of the EU for 2020 – based on the Europe 2020 strategy and reflected in the scope of the Horizon 2020 work programme

## 1. **Employment**

75% of the 20-64 year-olds to be employed

## 2. **R&D**

3% of the EU's GDP to be invested in R&D

## 3. **Climate change and energy sustainability**

**greenhouse gas emissions 20%** (or even **30%**, if the conditions are right) **lower than 1990**

**20% of energy from renewables**

**20% increase in energy efficiency**

## 4. **Education**

**Reducing the rates of early school leaving below 10%**

**at least 40% of 30-34-year-olds completing third level education**

## 5. **Fighting poverty and social exclusion**

**at least 20 million fewer people in or at risk of poverty and social exclusion**

Source: <https://ec.europa.eu/eurostat/web/europe-2020-indicators>

# What about Ukraine in Horizon 2020?

1. Since March 20, 2015: Ukraine is associated to Horizon 2020



1. Statistics and analysis of Ukraine in Horizon 2020: Prepared by the RI-LINKS2UA project (last version: May 2018, after 457 concluded calls)

<https://ri-links2ua.eu/working-tools/project-results>

2. Horizon 2020 Policy Support Facility: Background Report on the R&I system, peer review of the R&I system, policy recommendations, monitoring report (prepared by RI-LINKS2UA)

<https://rio.jrc.ec.europa.eu/en/policy-support-facility/peer-review-ukrainian-research-and-innovation-system>

4. CORDIS – Community Research and Development Information Service: Find all EU funded research projects and results (EU FP for R&I) [https://cordis.europa.eu/projects/home\\_de.html](https://cordis.europa.eu/projects/home_de.html)
5. Browse all Horizon 2020 funded projects on the Horizon 2020 webgate <https://webgate.ec.europa.eu/dashboard/hub/stream/aaec8d41-5201-43ab-809f-3063750dfafd>
6. Horizon 2020 portal for Ukraine (in Ukrainian): <http://h2020.com.ua/en/>
7. And there is national/international news about Ukraine in Horizon 2020



\*ukrinform.net

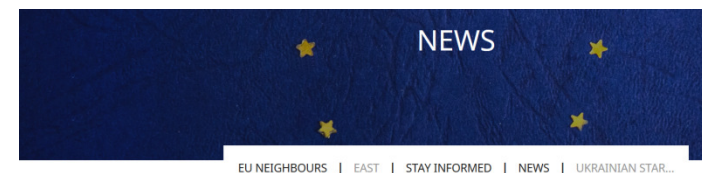
EEAS homepage > Ukraine > Horizon 2020: more than 400 organisations from Ukraine participated in EU programme

## Horizon 2020: more than 400 organisations from Ukraine participated in EU programme

04/04/2017 - 09:12

News

\*[eeas.europa.eu](http://eeas.europa.eu)



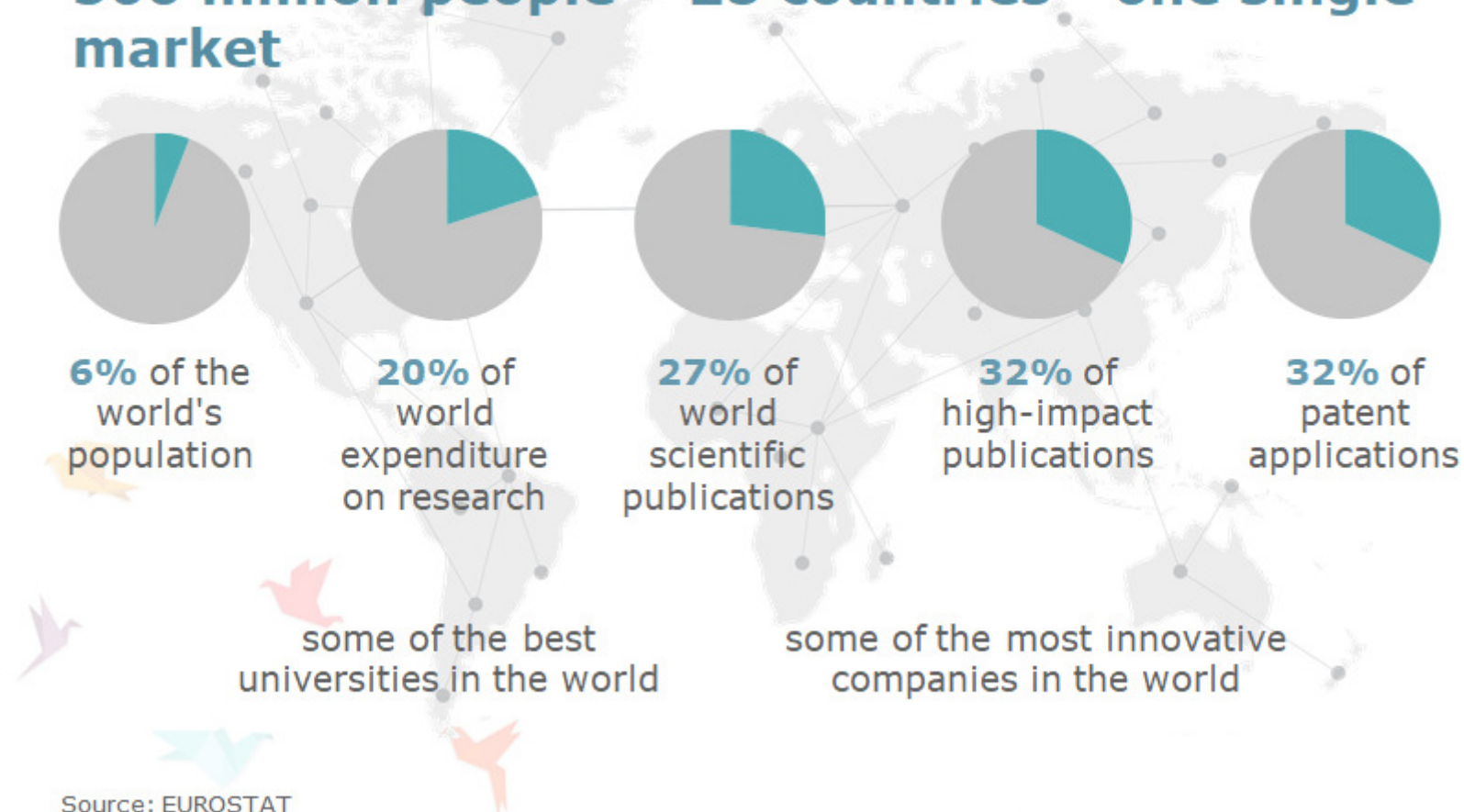
## Ukrainian start-ups benefit from Horizon 2020 research and innovation programme

10-11-2017

Share

## In a nutshell...

### Did you know? The European Union: 500 million people – 28 countries - one single market



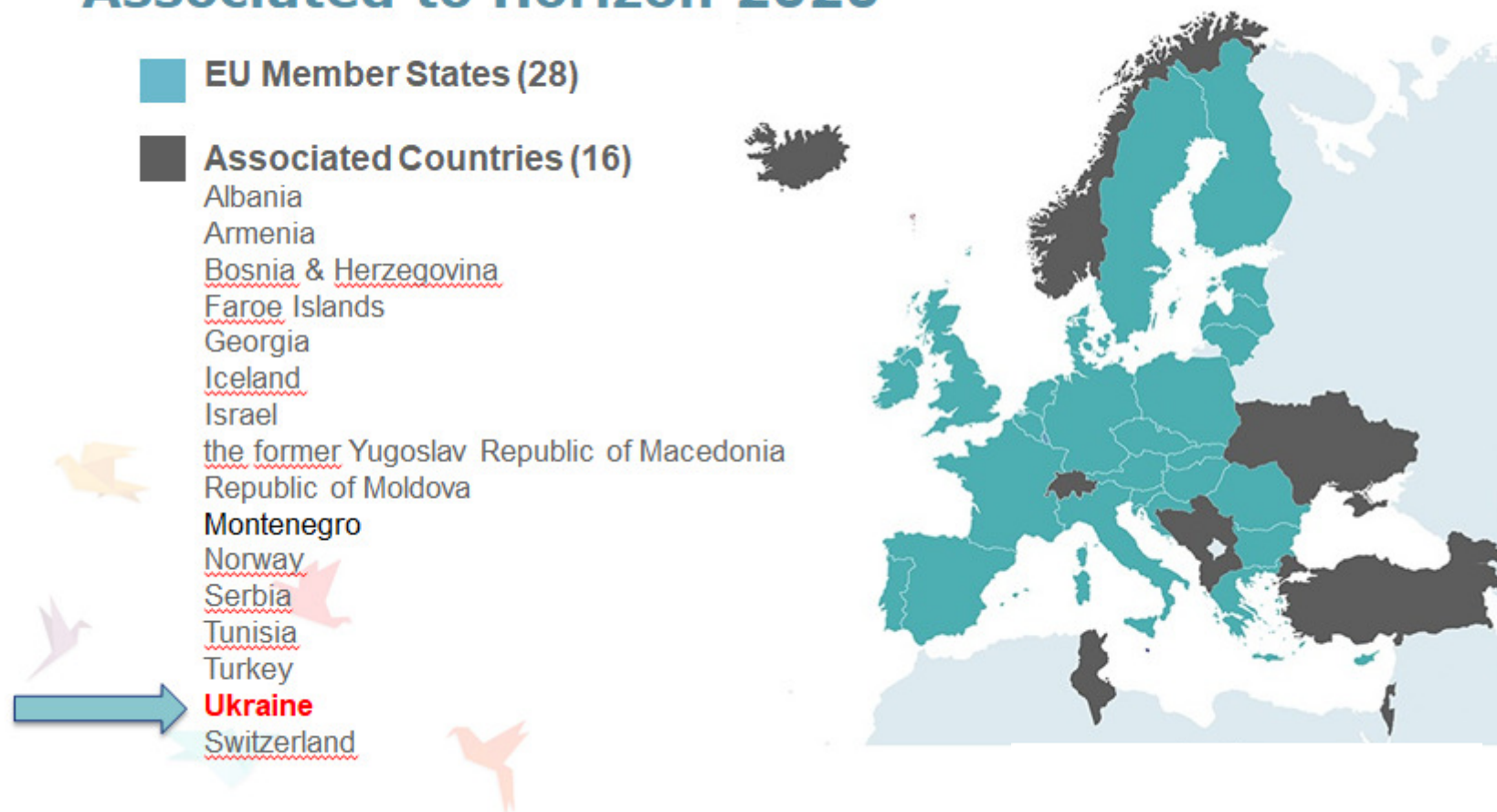
## What is Horizon 2020?

- Your central entry point and easy access to European research and innovation

## Horizon 2020 is open to the world!

- The EU Framework Programme for **Research & Innovation**
- The **biggest multinational** programme of its kind with a budget of almost € 80 billion
- Horizon 2020 welcomes **researchers & institutions**, public and private, **from all over the world**

## European Union Member States and Countries Associated to Horizon 2020



## Why should you participate in Horizon 2020?

1 Ambitious research and innovation projects

2 Mobility to Europe

3 Access to new networks and alliances

4 Access to world class research infrastructures

5 New business opportunities and visibility of your research

6 Tackle global challenges together with excellent European and International scientists



7 Research funding

## Europe invites International Partners to participate

1

Access to markets

2

Access to knowledge



3

Attracting talent and investment

5

Better research and exploitation

4

More visible global profile

## 2. Ukraine in Horizon 2020 - State of Play and Future Opportunities

## Eligibility for Funding – General Rules

### Automatically funded:

- Member States
- **Associated Countries**
- Countries listed in Annex 1 of the Work Programme

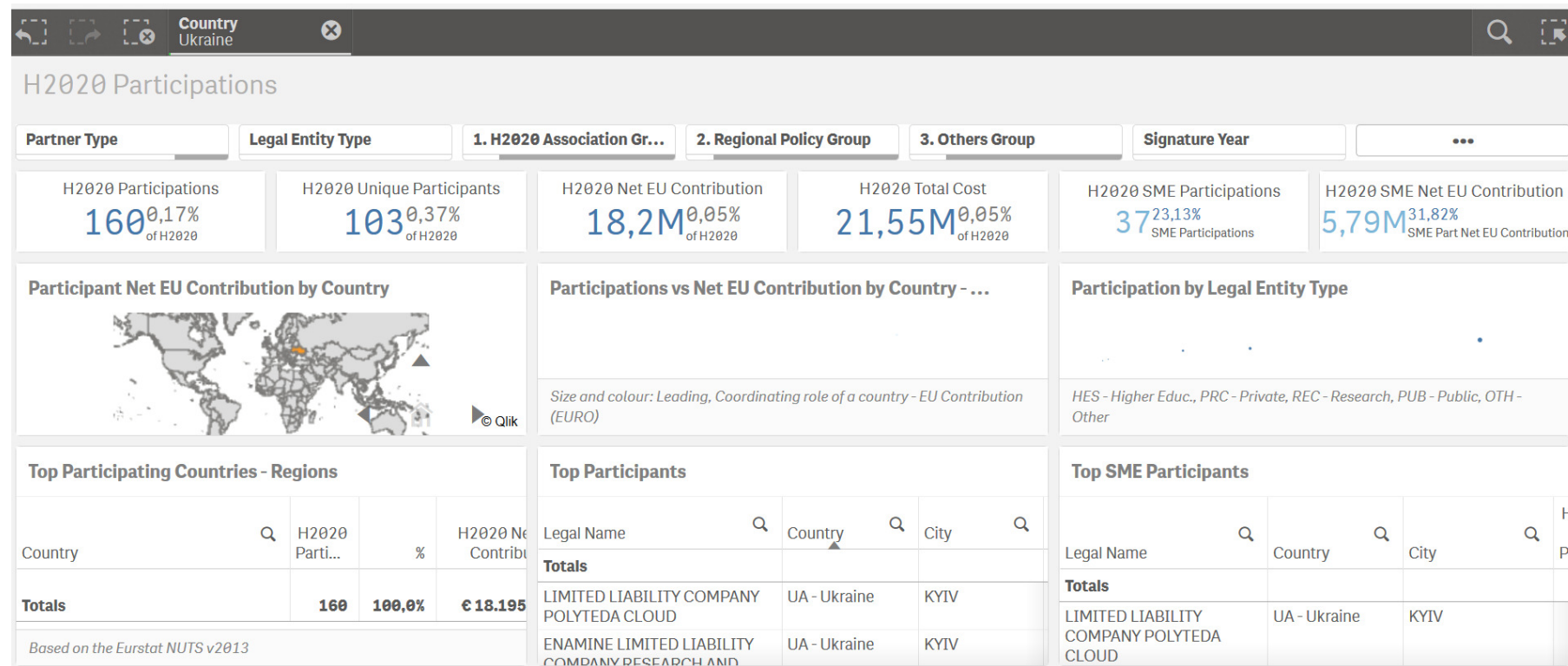


**Ukraine**

### Other Partner Countries are funded when:

- Agreement exists between 2 funding bodies
- Provision made in the call text
- Commission deems participation essential

## Ukraine in Horizon 2020 – statistics from webgate.eu

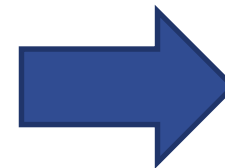


### **3. Opportunities for researchers and entities from Ukraine in the upcoming calls under Horizon 2020**

## Horizon 2020 covers three priority areas:



The SME instrument is part of the [European Innovation Council pilot](#) (EIC pilot). This was launched on 27<sup>th</sup> October 2017 as part of the [Horizon 2020 Work programme 2018-2020](#), when the SME Instrument, the [Fast Track to Innovation](#) (FTI), [Future and Emerging Technologies \(FET\) Open](#) and [Horizon Prizes](#), were brought under the EIC pilot umbrella, to provide a 'one stop shop' for funding of innovators/innovations in the EU.



**Holds a specific position within Horizon 2020**

# How can you participate in Horizon 2020?

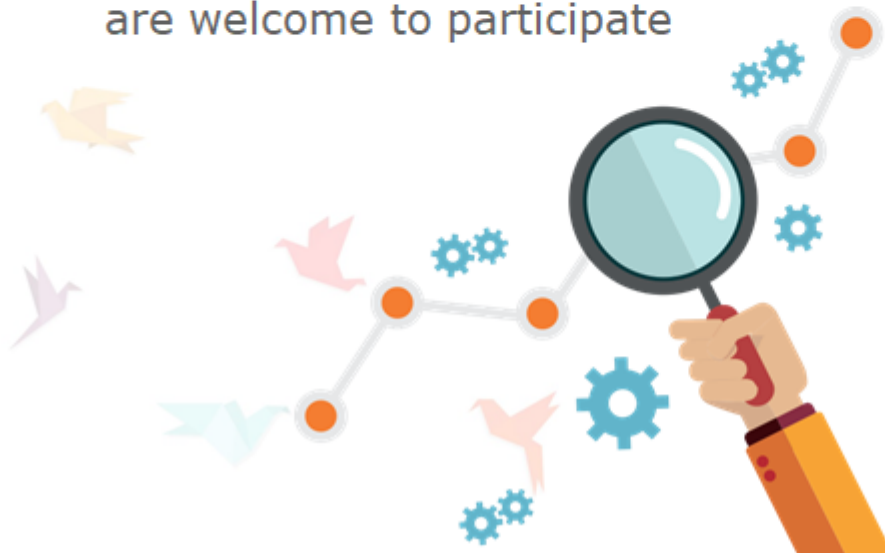
There are two ways to participate:

- **Participation of individual researchers**

Researchers of all nationalities are welcome to participate

- **Collaborative projects**

Include at least 3 legal entities from 3 different countries of the EU or from Countries Associated to Horizon 2020

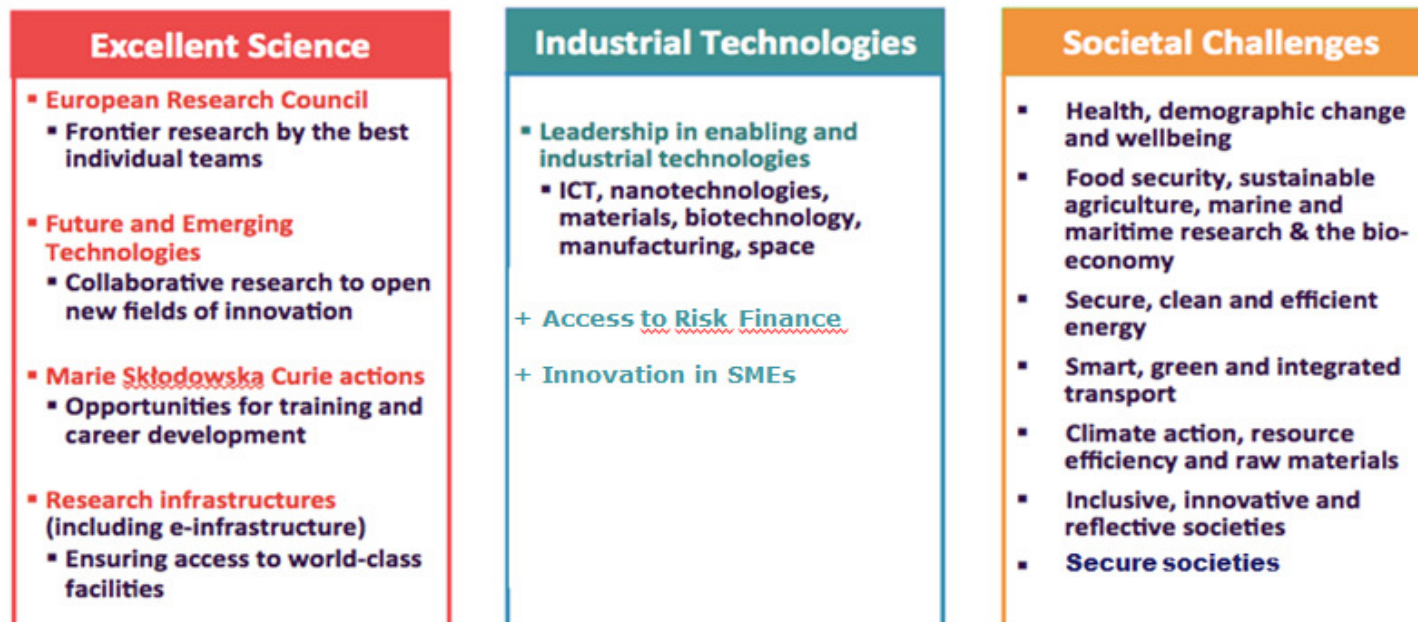


# NEW: The EU funders & tenders portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

REPLACES the former EC Research Participant Portal

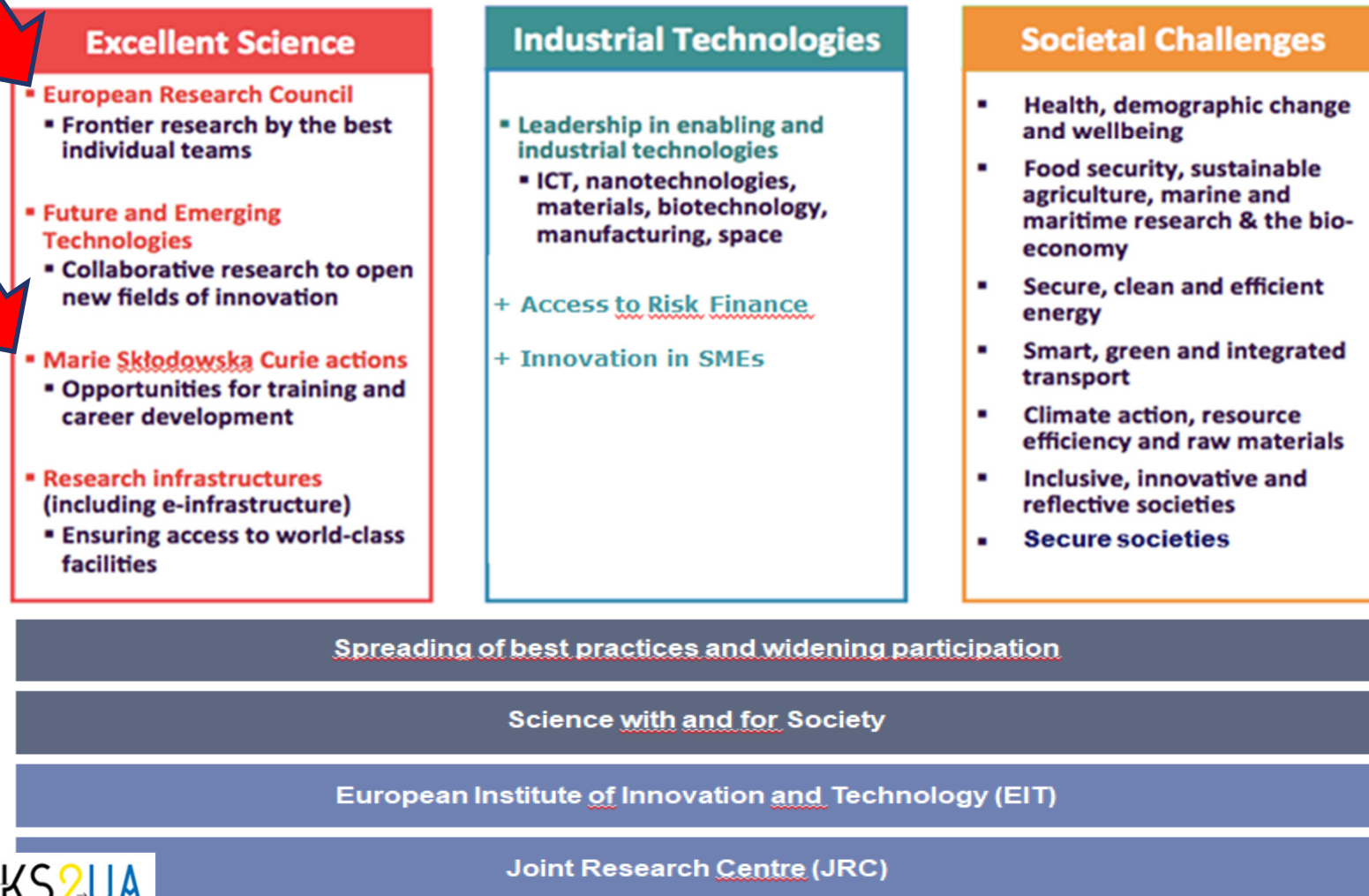
## Horizon 2020 – 3 pillars



+ Science with and for Society  
+ Widening Participation and Strengthening Excellence

# Funding for individual researches vs. collaborative projects

## Horizon 2020 – 3 pillars



# The opportunities for individual researchers

## Where in Horizon 2020 can you find funds for individual research?

- **The European Research Council (ERC)**  
= excellent research
- **Marie Skłodowska-Curie Actions (MSCA)**  
= mobility of researchers and technical staff



**These opportunities are for researchers who want to work in Europe.**

# The opportunities for individual researchers - ERC

## European Research Council (ERC)

- For excellent researchers wishing to conduct their ground-breaking research in Europe
- No thematic priorities → bottom-up approach
- Investigator-driven
- **Main ERC Principles:**
  - 1 Principal Investigator and team
  - 1 Host institution in the EU/country associated to Horizon 2020
  - 1 Selection criterion: EXCELLENCE
  - At least 50% research has to be done in Europe
  - Project duration: Up to 5 years

More than 500  
grants to non-  
EU Principal  
Investigators



European Research Council

# The opportunities for individual researchers - ERC

## Additional Opportunity

Researchers from Non-EU Countries can join running ERC projects as a team member

- Researchers from UKRAINE can apply to join existing ERC teams in Europe. You can be of any age and work in any discipline as long as you are a non-European scientist, i.e. scientist who is not a national of an EU country.
- More information about Implementing Agreements can be found: <https://erc.europa.eu/funding/additional-opportunities>



# The opportunities for individual researchers - MSCA

Excellent  
Science

**Marie Skłodowska-Curie Actions** (MSCA) offer:

- Opportunities for training and career development
- Mobility of researchers is mandatory



**MSCA principles:**

- Open to all career stages and nationalities
- Bottom-up approach
- International, intersectoral and interdisciplinary career and knowledge-exchange

# The opportunities for individual researchers - MSCA

## MSCA main funding lines

### 1. Individual Fellowships (IF)

- Supporting experienced international researchers to do research in Europe for 12-24 months
- Host institutions: from academia or industry

### 2. Innovative Training Networks (ITN)

- Networks of organisations offering research and training to early-stage researchers

### 3. Research and Innovation Staff Exchange (RISE)

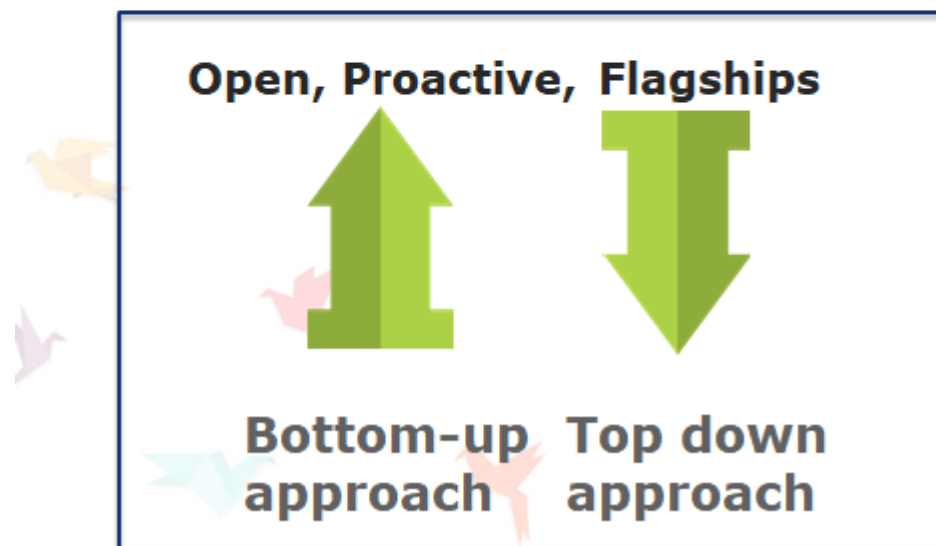
- International and inter-sectoral cooperation



# The opportunities for collaborative research - FET

## Future Emerging Technologies (FET)

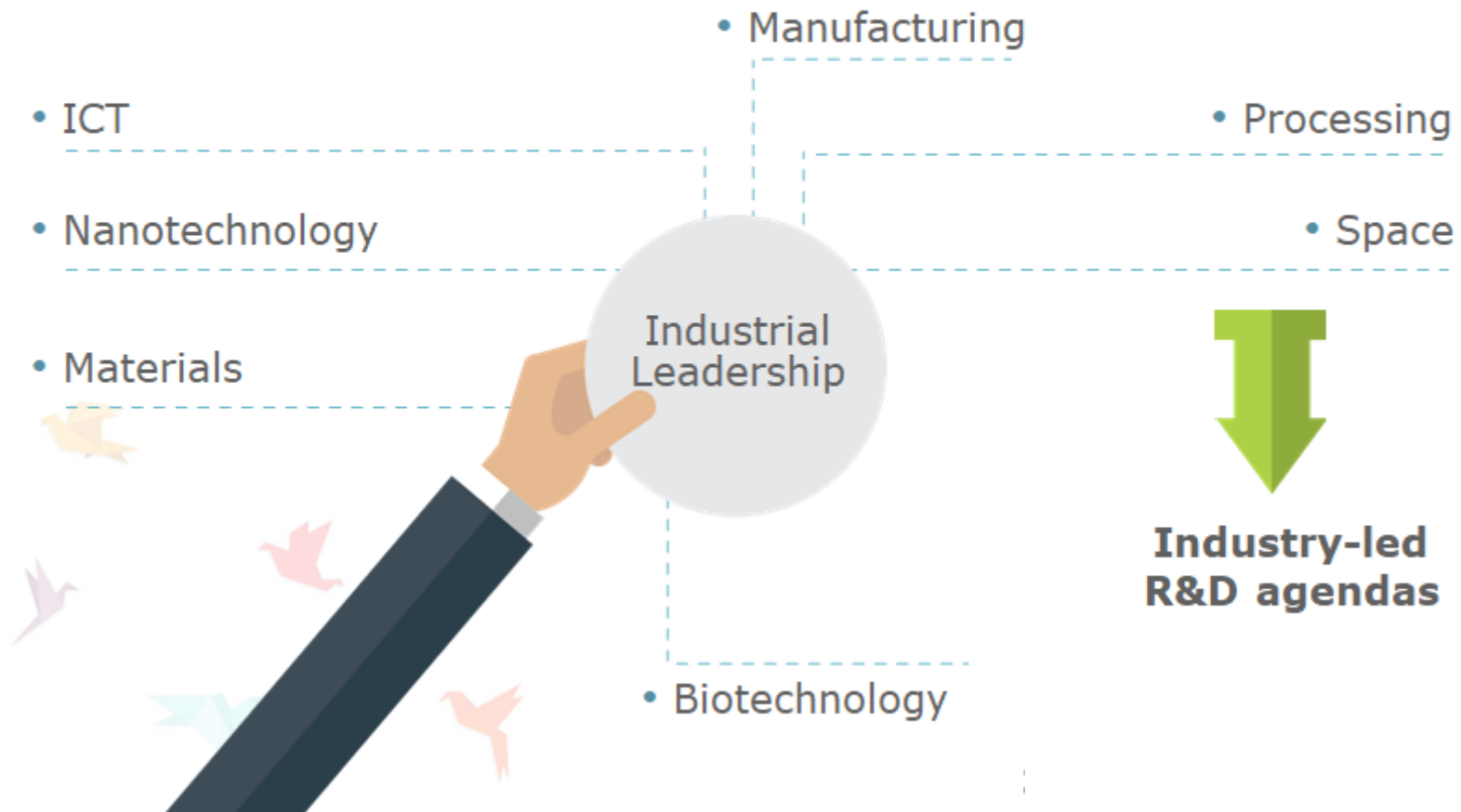
- Collaborative research for **radically new lines of technology**
- Supports frontier research: alternative ideas, concepts or paradigms of a risky or non-conventional nature (similar to ERC)



Excellent  
Science

# The opportunities for collaborative research - LEIT

## Leadership in enabling and industrial technologies (LEIT)



# The opportunities for collaborative research - LEIT

## Details of LEIT

**The emphasis for Leadership in Enabling and Industrial Technologies (LEIT) actions will be on:**

Research and innovation to strengthen Europe's industrial capacities and business perspectives, including SMEs

Public-private partnerships (PPPs)

Cross-cutting Key Enabling Technologies (KETs)

Seizing ICT opportunities

Contributing to solving Societal Challenges and to Focus Areas

Cross-cutting aspects, like international cooperation and responsible research and innovation.

# The opportunities for collaborative research - SC

## Societal Challenges

Societal  
Challenges

1. **Health**, demographic change and wellbeing
2. **Food** security, sustainable agriculture and forestry, marine and maritime and inland water research and the Bioeconomy
3. Secure, clean and efficient **energy**
4. Smart, green and integrated **transport**
5. **Climate** action, environment, resource efficiency and raw materials
6. Europe in a changing world: Inclusive, innovative and reflective **societies**
7. **Secure societies** – Protecting freedom and security of Europe and its citizens



**Top down  
approach**

# Cross-cutting sections of Horizon 2020

## Science with and for Society (SwafS)

**Budget: € 462 million**

- Integrates Horizon 2020 cross-cutting issues
- Emphasizes on Responsible Research and Innovation (RRI) including gender, and enhancing the attractiveness of the research profession

### **Main objectives:**

- Ensure responsible science and enable the development of policies more relevant to citizens
- Improve science-literacy, citizens' responsibility and access to scientific careers
- Further enhance active participation and focus on science, research and innovation

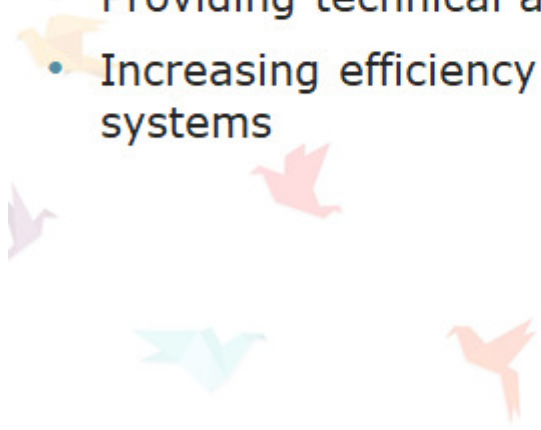
# Cross-cutting sections of Horizon 2020

## Spreading Excellence and Widening Participation

**Budget: € 816,5 million**

### **Main objectives:**

- Enhancing economic growth and competitiveness in Low Research & Innovation (R&I) Performing Countries
- Facilitating access to networks and partnering opportunities
- Providing technical assistance and expertise
- Increasing efficiency of the national research and innovation systems



# Cross-cutting sections of Horizon 2020

## Spreading Excellence and Widening Participation

### Several actions

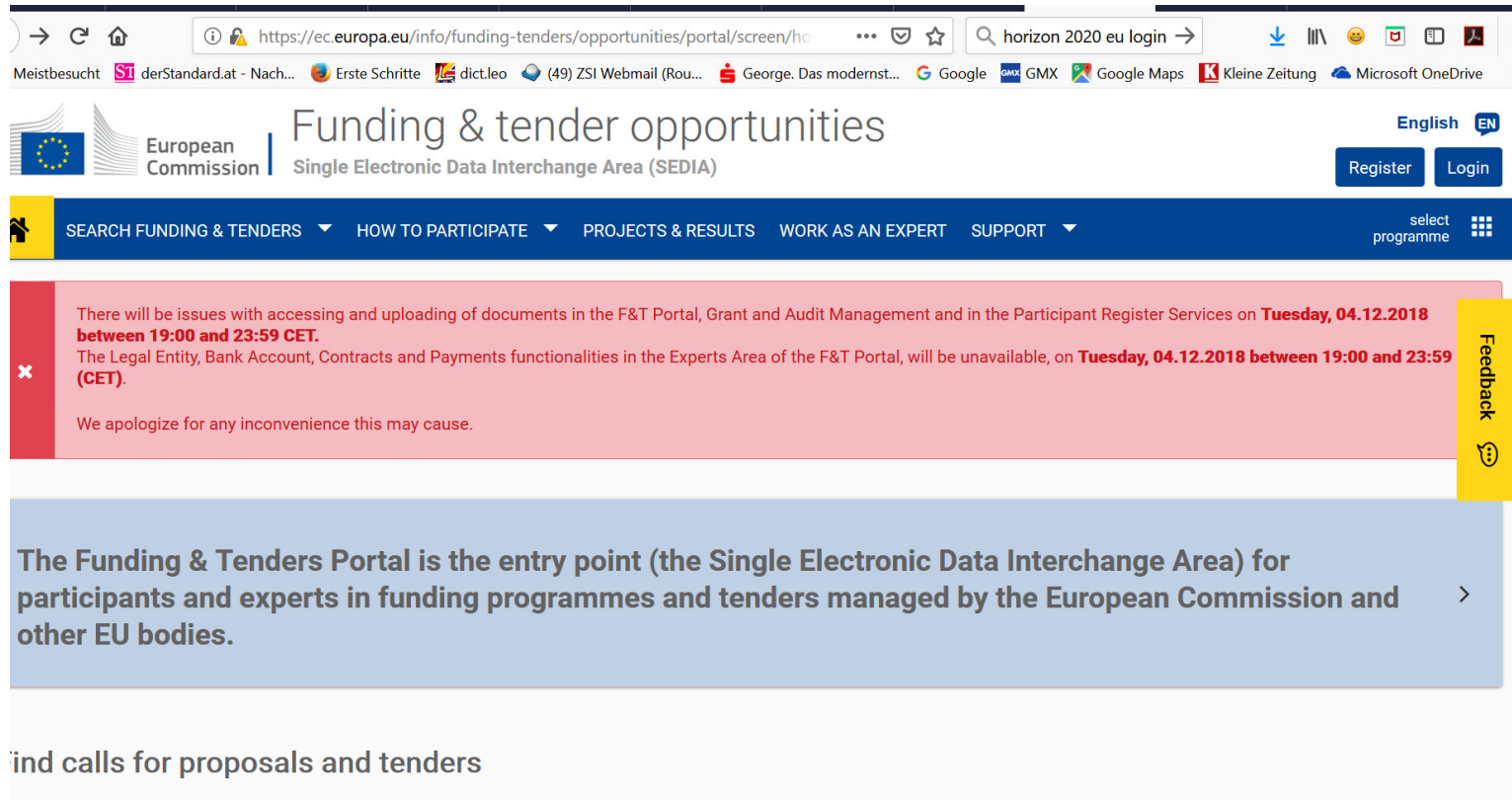
- Teaming (institution building)
- Twinning (institutional networking)
- ERA Chairs (bringing excellence to institutions)
- NCPs (information, communication, support)
- Policy Support Facility (support for R&I Policy design)
- COST (stimulating cross border science networks)



# Take the first and easiest step to start your application!

The European Commission's main authentication service (ECAS) has gone through a major redesign phase to make it more user-friendly. More than a new look and feel, its name also changed to "**EU Login**".

This ensures a **secure, “single sign-on” approach**:  
**1 person = 1 e-mail address = 1 “EU LOGIN” account.**



The screenshot shows the European Commission's Funding & tender opportunities portal. The browser address bar displays the URL: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/hc>. The page header includes the European Commission logo and the text "Funding & tender opportunities" and "Single Electronic Data Interchange Area (SEDIA)". In the top right corner, there are buttons for "Register" and "Login", with a red arrow pointing to the "Login" button. Below the header, there is a navigation bar with links: "SEARCH FUNDING & TENDERS", "HOW TO PARTICIPATE", "PROJECTS & RESULTS", "WORK AS AN EXPERT", and "SUPPORT". A red banner message states: "There will be issues with accessing and uploading of documents in the F&T Portal, Grant and Audit Management and in the Participant Register Services on **Tuesday, 04.12.2018 between 19:00 and 23:59 CET**. The Legal Entity, Bank Account, Contracts and Payments functionalities in the Experts Area of the F&T Portal, will be unavailable, on **Tuesday, 04.12.2018 between 19:00 and 23:59 (CET)**. We apologize for any inconvenience this may cause." Below this, a blue box contains the text: "The Funding & Tenders Portal is the entry point (the Single Electronic Data Interchange Area) for participants and experts in funding programmes and tenders managed by the European Commission and other EU bodies." At the bottom, there is a link: "Find calls for proposals and tenders".

# Key messages: **You** in Horizon 2020!

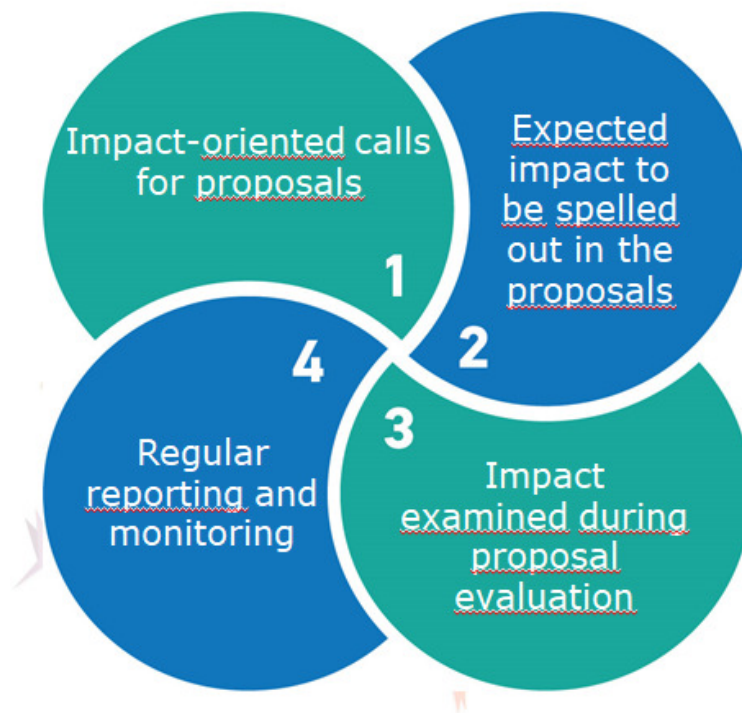
## Key message for researchers of Ukraine and legal entities

- Horizon 2020 is the largest research and innovation programme in the world.
- Ukraine is fully associated to Horizon 2020
- Nationals or institutions of Ukraine are, thus, eligible to take part in Horizon 2020, as individual researchers or in collaborative projects
- Participation in Horizon 2020 projects offers exciting opportunities to extend your research field, your network and your career options.

# Just one slide: Impact in Horizon 2020

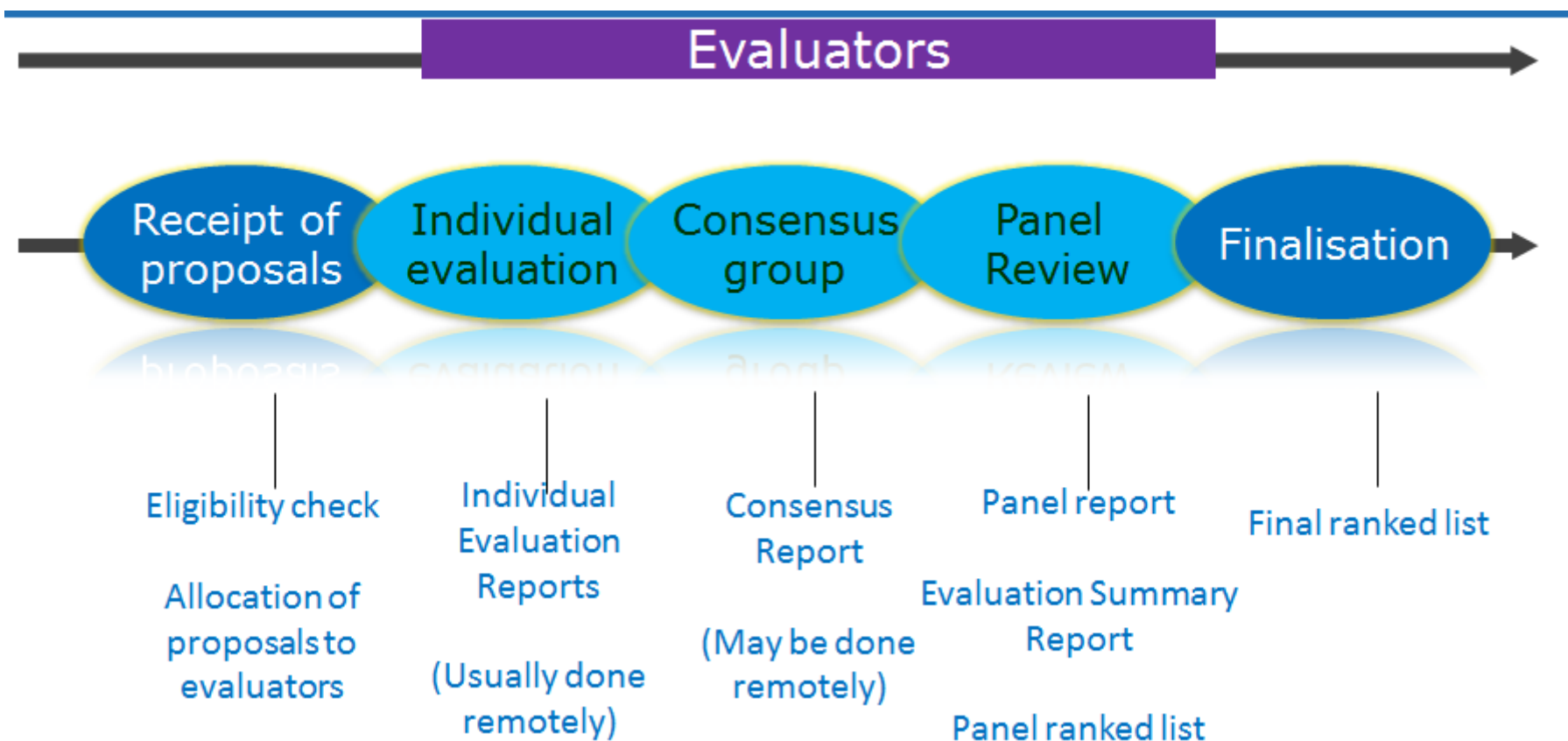
1. Measurable impact goals you can monitor and evaluate
2. Well-targeted stakeholders and/or publics
3. A credible communication, dissemination, exploitation (impact) plan

## An impact-oriented approach at all stages of Horizon 2020



- Built-in innovation and impact orientation:
  - challenge-based approach
  - funding all the way from lab to market
  - enhanced involvement of business, in particular Small and Medium-sized Enterprises (SMEs)

# Additional: Overview of the evaluation process



# Additional: Evaluation criteria

- There are three evaluation criteria:
  - Excellence (relevant to the topic of the call)
  - Impact
  - Quality and efficiency of the implementation
- The criteria are adapted to each type of actions, as specified in the WP

# 1.

## Research and Innovation Actions

### Excellence

- ✦ Clarity and pertinence of the objectives
- ✦ Soundness of the concept, including trans-disciplinary considerations, where relevant
- ✦ Extent that proposed work is ambitious, has innovation potential, and is beyond the state of the art (e.g. ground-breaking objectives, novel concepts and approaches)
- ✦ Credibility of the proposed approach

## 2.

### Impact

- 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, by delivering such innovations to the markets;
- Any other environmental and socially important impacts;
- Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project

# 3.

## Implementation

- ✦ Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources
- ✦ Complementarity of the participants within the consortium Appropriateness of the management structures and procedures, including risk and innovation management

# Additional: Some tips for successful proposal (1)

Ensure your proposed **objectives** and **work plan meets** the **challenges** addressed by the call.

Follow **exactly** the structure given in the **guide for applicants**.

Be as **concise** and **precise** as possible. Avoid general statements.

The consortium of **partners** must be **excellent and appropriate** to carry out the tasks.

**Do not overcrowd objectives** and **show how you achieve them**.

**Have the evaluator and the evaluation criteria** at the forefront when writing the proposal.

**Select the best partners** and have an experienced coordinator.

Treat **each section** as if it is the **most important section**.



RI-LINKS2UA is funded by EU under the Horizon 2020 - Framework Programme for Research and Innovation /grant agreement no. 692476.

# THANK YOU FOR YOUR ATTENTION!

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## Sources:

\*EC

\*RI-LINKS2UA project

\*EC ISF

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



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