



FUEL CELLS AND HYDROGEN
JOINT UNDERTAKING

Rules for participation, call conditions, evaluation and submission

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26/01/2018



H2020

General Annexes to H2020

- List of countries eligible and rules for funding (Annex A)
- Admissibility and eligibility conditions (Annexes B and C)
- Types of action and funding rates (Annex D)
- Technology readiness level (TRL) (Annex G)
- Evaluation rules (Annex H)
- Open Access to research data (Annex L)

H2020-JTI-FCH-2018-1
Total budget: 73.2 M€

Publication date:
16 January 2018

Deadline:
24 April 2018

AWP

Annual Work Plan “AWP 2018”

AWP may introduce additional eligibility criteria

- Budget limit

List of countries and rules for funding – Annex A



Participation “Open to the World”

- Open for all legal entities established in third countries and for international organisations



Funding is provided for legal entities established in:

- Member States and countries associated to H2020
- A list of countries: Afghanistan, Algeria, ... , Zambia, Zimbabwe
- Any other country:
 - **If** funding for that third country is explicitly foreseen in the Annual Work Plan
 - **Or if** provided under a bilateral scientific and technological agreement
 - **Or if** participation deemed by the FCH2 JU essential in the action

**Assessed by
experts during
evaluation !**

International cooperation



Admissibility and eligibility conditions - Annexes B-C



A proposal is:

ADMISSIBLE, when:

- **Submitted** in the electronic submission system “SEP” in time
- **Readable**, accessible and printable
- **Complete** (admin data, proposal description, **operational capacity**, etc.)
- Include draft **plan for the exploitation and dissemination** of the results

Respect page limit !

ELEGIBLE, when:

- In line with the topic
- Complies with:

+ Additional Conditions in the AWP

RIA and IA →

At least three legal entities each established in a different Member State or Associated Country. All three legal entities must be independent of each other.

CSA →

At least one legal entity established in a Member State or in an Associated Country



Types of Actions – Annex D



RIA - Research and Innovation Actions

Actions 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 or simulated environment.

funding rate
max. **100%**

IA- Innovation Actions

Actions primarily consisting of activities directly aiming at producing plans and 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**.

funding rate
max. **70%***

CSA - Coordination and Support Action

Actions consisting primarily of accompanying measures such as **standardization, dissemination, awareness-raising and communication, networking,** coordination or support services, **policy dialogues** and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programs in different countries.

funding rate
max. **100%**



*Funding 100% for non-profit legal entities

Technology readiness levels (TRL) – Annex G



RIA

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment

TRL 6 – technology demonstrated in relevant environment

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment

IA



Evaluation rules – Annex H

Selection criteria



Financial Capacity:

Coordinator completes a self-assessment at the proposal stage

Operational Capacity:

Indicated by the experts, based on partners information:

- CV
- Previous publications/products
- Previous projects/activities
- Infrastructure and equipment
- Third parties contribution

Each individual participant has, or will have in due time, a sufficient operational capacity to carry out its tasks in the proposed work plan?

→ If No, please list the concerned partner(s), the reasons for the rejection, and the requested amount



Evaluation rules – Annex H

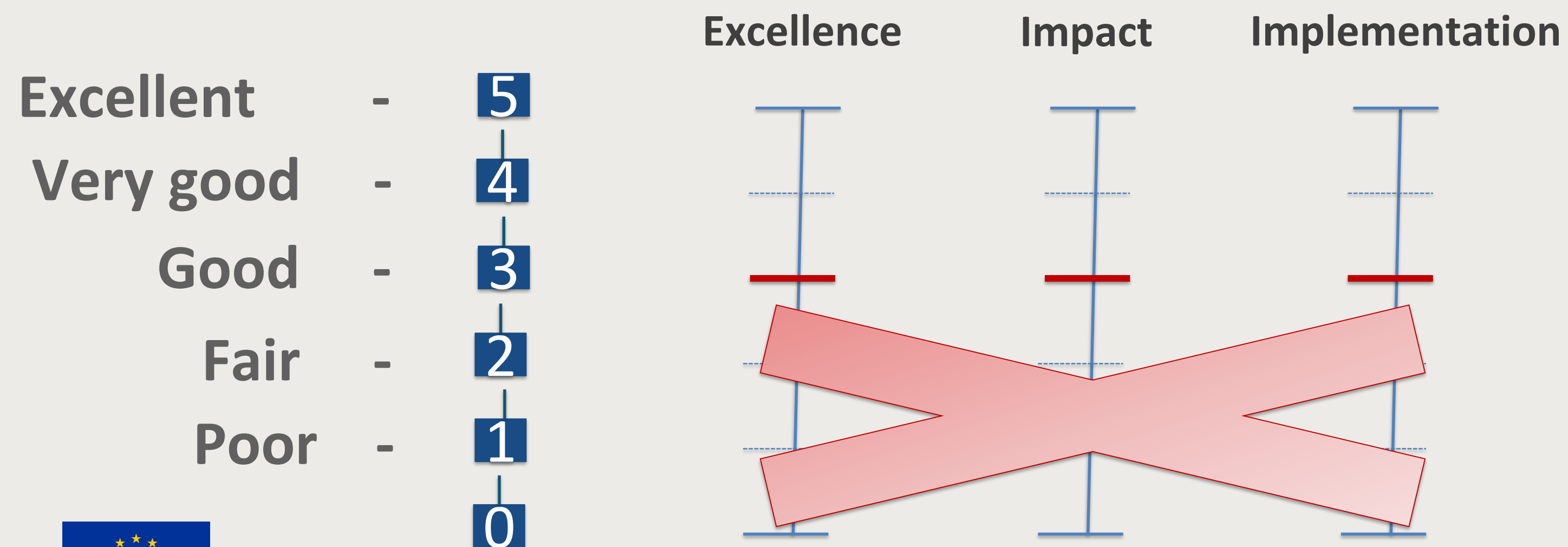
Award criteria, scores and weighting

The proposals will be evaluated against the following **award criteria**:

- **Excellence**
- **Impact**
- Quality and efficiency of the **implementation**

Evaluation grid available in Annexe H

Scores, weighting and thresholds



Thresholds apply to:

- Individual criterion, score must be ≥ 3
- Overall score must be ≥ 10



Open Access to research data – Annex L

Open Access

Beneficiaries must ensure that any user can access, mine, exploit, reproduce and disseminate, free of charge :

- Underlying data
- Other data, as specified in Data Management Plan, which provides:
 - Data the research will generate
 - How to ensure its curation, preservation and sustainability
 - What parts of that data will be open (and how)

Costs covered by the grant

Does not influence the scores given by the evaluators

“Opt-out” possible

- Before or after GA signature
- Only if justified

As open as possible, as closed as necessary

FAIR Data:

- Findable
- Accessible
- Interoperable
- Re-usable

H2020

General Annexes to H2020

There is no derogation from the H2020 Rules for Participation !

H2020-JTI-FCH-2018-1
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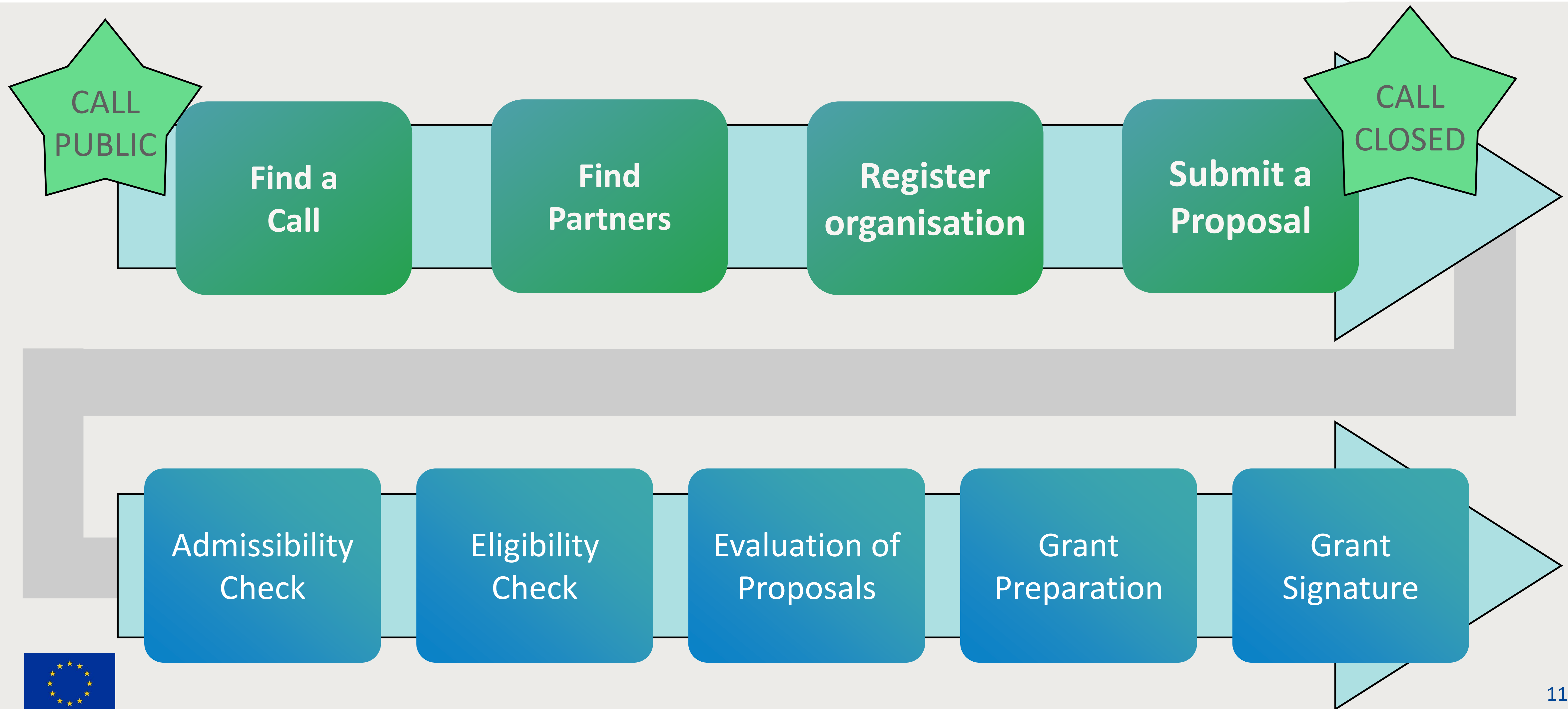
AWP

Annual Work Plan “AWP 2018”

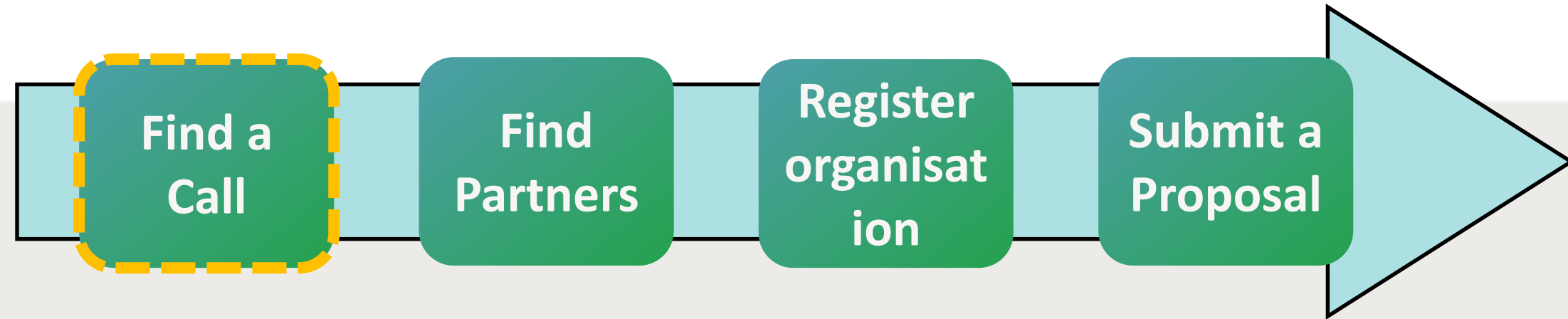
Additional eligibility criteria

Max. Funding (relevant for 5 topics)
“The maximum FCH 2 JU contribution
proposals requesting FCH 2 JU
contribution above this amount will not
be evaluated”

Evaluation is part of a bigger process



Finding the 2018 FCH call



Participant Portal

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

Funding Opportunities

H2020

FCH 2 JU – Call 2018

European Commission
RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Calls

HOME **FUNDING OPPORTUNITIES** HOW TO PARTICIPATE PROJECTS & RESULTS EXPERTS SUPPORT LOGIN REGISTER

Participant Portal Grant Management Services may be experiencing issues with Legal Entity and Bank Account validations on **Monday, 22.01.2018, from 20:00 until 21:30 (CET)**.
We apologise for any inconvenience this may cause.

Search Topics
Updates
Calls

H2020
3rd Health Programme
Asylum, Migration and Integration Fund
Consumer Programme
COSME
European Statistics Programme
Hercule III Programme
Internal Security Fund - Borders
Internal Security Fund - Police
Justice Programme
Pilot Projects & Preparatory Actions
Promotion of Agricultural Products
Research Fund for Coal & Steel
Rights, Equality and Citizenship Programme
Union Civil Protection Mechanism

Horizon 2020
Advanced search for topics
Calls for tenders on TED

Excellent Science
 European Research Council (ERC)
 Future and Emerging Technologies (FET)
 Marie-Sklodowska-Curie Actions
 Research Infrastructures
 Industrial Leadership
 Leadership in enabling and industrial technologies (LEIT)
 Information and Communication Technologies

Status Calls with forthcoming topics Calls with open topics Calls with only closed topics

Sort by Call title Call identifier Publication date Filter a call FILTER

Societal Challenges
FCH2 JU call for proposals 2018
H2020-JTI-FCH-2018-1
Publication date: 16 January 2018

The European Institute of Innovation and Technology (EIT)
EIT KICs Call 2018
EIT-KICS-2018
Publication date: 12 January 2018

Societal Challenges
SHIFT2RAIL JU CALL FOR PROPOSALS 2018
H2020-S2RJU-2018
Publication date: 11 January 2018

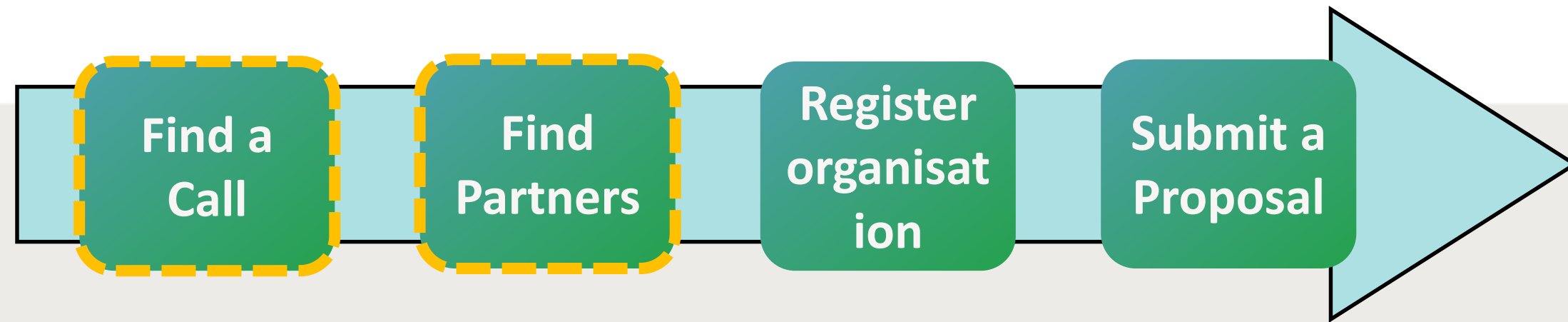
Industrial Leadership
Inducement prize: Big Data technologies

Industrial Leadership
EIC Horizon Prize for 'Affordable High-Tech for Humanitarian Aid'

Societal Challenges
H2020-JTI-IMI2-2017-13-two-stage



Topics details and partner search



Topic description

Topic conditions and documents

Partner search

Submission

- Templates of proposals
- On-line tool for submission

Support and Guidance

- H2020 Online Manual
- HOW TO



RESEARCH & INNOVATION
Participant Portal

European Commission > Research & Innovation > Participant Portal > Opportunities

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE PROJECTS & RESULTS EXPERTS SUPPORT LOGIN REGISTER

EU Programmes 2014-2020

Search Topics

Updates

Calls

H2020

3rd Health Programme

Asylum, Migration and Integration Fund

Consumer Programme

COSME

European Statistics Programme

Hercule III Programme

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory Actions

Promotion of Agricultural Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship Programme

Union Civil Protection Mechanism

FP7 & CIP Programmes 2007-2013

Calls

Other Funding Opportunities

TOPIC : Strengthening public acceptance and awareness of FCH-technologies by educating pupils at schools

Publication date: 16 January 2018

Types of action: FCH2-CSA Coordination & support action

DeadlineModel: single-stage

Opening date: 16 January 2018

Deadline: 24 April 2018 17:00:00

Time Zone : (Brussels time)

Horizon 2020

Call budget overview

Topic Description

Specific Challenge:

Public awareness and social acceptance regarding FCH technologies have an essential role on the market uptake of FCH applications, as they foster the commercial demand and strengthen the

Topic conditions and documents

1. Eligible countries: described in Annex A of the H2020 main Work Programme.

A number of non-EU/non-Associated Countries that are not automatically eligible for funding have

Partner Search

3 Organisations are looking for collaborating partners for this topic

VIEW/EDIT PARTNER SEARCH

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into the Participant Portal.

Submission Service

To access the Electronic Submission Service of the topic, please select the **type of action** that is most relevant to your proposal from the list below and click on the **'Start Submission'** button. You will then be asked to confirm your choice of the type of action and topic, as these cannot be changed in the submission system. Upon confirmation you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Participant Portal and select the My Proposals page of the My Area section.

Type of Action: Coordination & support action [FCH2-CSA]

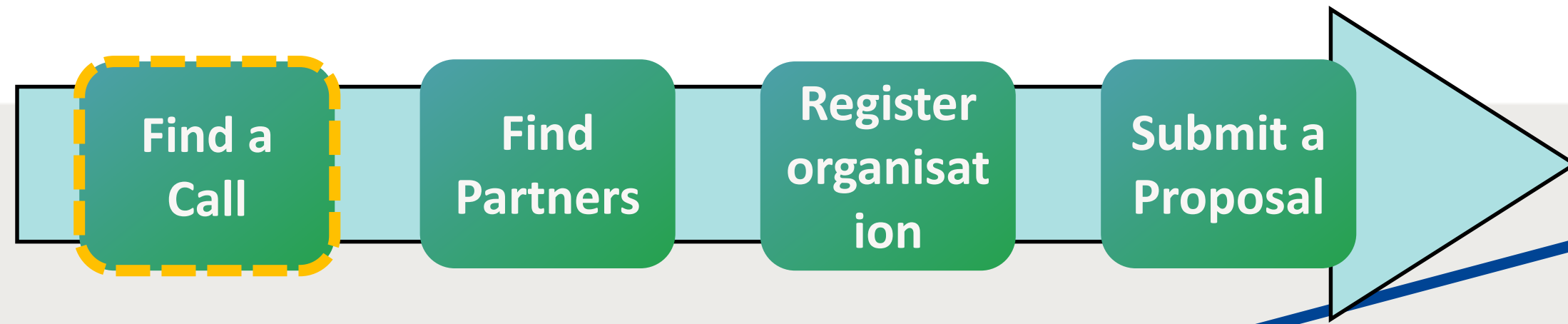
Topic: Strengthening public acceptance and awareness of FCH-technologies by educating pupils at schools - FCH-04-4-2018

START SUBMISSION

Guidance on proposal submission: H2020 ONLINE MANUAL

IT Guidance: HOW TO

Topic description



Specific Challenge

- Context of the topic

Out-of-scope proposals = ineligible

Scope

- Operational requirements and focus
- TRL
- Consortium composition
- Indicative budget
- Expected duration
- ...

Expected Impact

- Technical targets
- Costs reduction
- Contribution to policies (env., indus., ...)
- ...



- Less

Topic Description

Specific Challenge:

Compressed gas truck distribution will initially be the most common way to transport hydrogen from central production sites to consuming facilities. Significant introduction of hydrogen vehicles requires a scale up of two orders of magnitude hydrogen truck distribution. At the same time developing and deploying a high volume trailer is necessary to address both the H2 Mobility market but also the industrial market to increase the volume transported so as to decrease transportation cost and CO2 emissions in a context of increasing fuel cost; to increase customer autonomy and storage footprint and to reduce the HRS investments and ease the ramp up of first stations [1].

Current standards, regulations and safety codes have been developed for a relatively small market volume and deliveries mostly to industrial sites. These standards need to be reviewed, and adapted if needed, to ensure safe, efficient and low-cost hydrogen delivery at larger scales and in residential areas. These regulations and standards need to be harmonised across Europe.

[1] From DeliverHy - Recommendations to Industry (<http://www.fch.europa.eu/project/optimisation-transport-solutions-compressed-hydrogen>)

Scope:

The following specific issues should be addressed by the project:

- Identify and quantify the risks associated with compressed hydrogen delivery on a large scale, taking into account the whole chain from filling of trucks at a terminal, driving from supplier to customer and delivery of hydrogen at a retail station or other customers;
- Propose mitigation actions for the most critical risks;
- Provide a roadmap for standardisation of compressed hydrogen trucks and interfaces between the truck and the supply and customer sites that balance safety aspects with commercial, environmental and feasibility aspects. This includes a strategy for effective influence on:
 - ISO TC 58/SC3 Gas Cylinders Design;
 - WG 35 Refillable permanently mounted composite tubes for transportation: ISO 17519 CD;
 - WG 32 Refillable composite reinforced tubes of water capacity between 450 L and 3000 L - Design, construction and testing: ISO 11515;
 - WG 27 Gas cylinders of composite construction: ISO 11119-X;
 - ADR - Dangerous Goods Transport.
- Develop a position paper that, considering actually available European Regulations on max pressure and max quantity of hydrogen transported all over Europe, can propose a modification and derogation proposal to the ARD [2].

To address the issues basic experimentation or simulations may be required, for example to determine optimal flow rates and to optimise ways of equipment handling.

It is expected that the conclusions and results of the project are made public.

Any safety-related event that may occur during execution of the project shall be reported to the European Commission's Joint Research Centre (JRC), which manages the European hydrogen safety reference database, HIAD (dedicated mailbox JRC-PTT-H2SAFETY@ec.europa.eu).

The FCH 2 JU considers that proposals requesting a contribution from the EU of EUR 0.5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

A maximum of 1 project may be funded under this topic.

Expected duration: 3 years

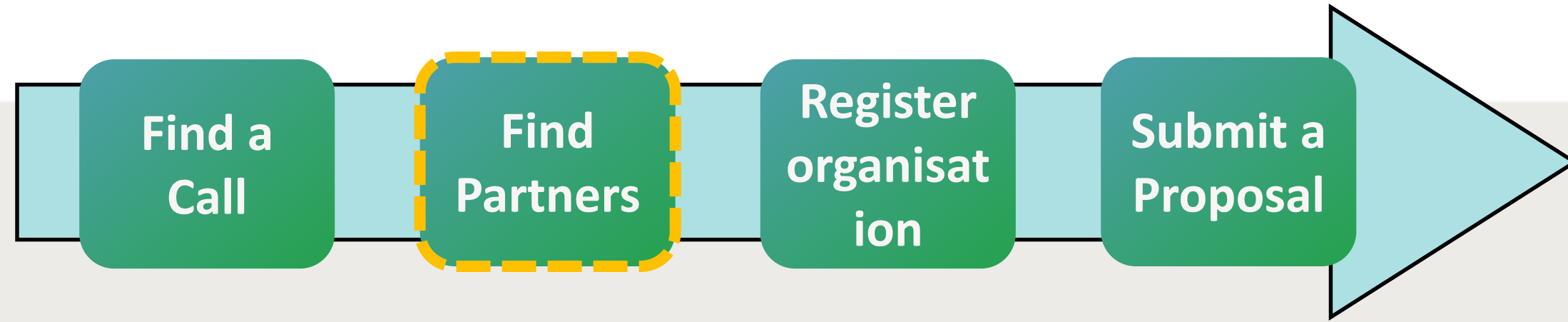
[2] ARD (ADR): European agreement on the international carriage of dangerous goods on road

Expected Impact:

The following impacts are expected as a result of the PNR activities:

- Deeper knowledge of the risks associated with compressed hydrogen delivery on a large scale and the mitigation actions for the most critical risks, ensuring that risks related to distribution during the hydrogen market development phase are minimised;
- Harmonization of hydrogen distribution with high pressure trucks in the current standards, regulations and safety codes, making possible by the end of the project the distribution of

Contact partners through the participant portal



European Commission > Research & Innovation > Participant Portal > Active Request For Partners

MY AREA | HOME | FUNDING OPPORTUNITIES | HOW TO PARTICIPATE | PROJECTS & RESULTS | EXPERTS | SUPPORT | LIONEL BOILLOT

- My Organisation(s)
- My Proposal(s)
- My Project(s)
- My Notification(s) **861**
- My Formal Notification(s)
- My Expert Area
- Reference Documents
- Beneficiary Register
- Partner Search**
- H2020 Financial Viability Self-Check
- SME Participation

Topic : Strengthening public acceptance and awareness of FCH-technologies by educating pupils at schools (FCH-04-4-2018)

Partner Search

Legend **CO** Contact Organisation **SD** Partner search details **WD** Withdraw the partner search

Show 10 entries Search:

REQUEST DATE	ORGANISATION NAME	ORGANISATION TYPE	COUNTRY	EXPERTISE REQUEST OR OFFER	ACTIONS
23 Jan 2018	Complexul Muzeal National MOLDOVA Iasi	Research Organisation	RO	Expertise request	CO SD
23 Jan 2018	MEDIA ONE SRL	Small or medium-size enterprise	RO	Expertise offer	CO SD
16 Jan 2018	EUROKLEIS S.R.L.	Small or medium-size enterprise	IT	Expertise offer	CO SD

Partner Search Details:

Complexul Muzeal National MOLDOVA Iasi: We are the largest museum organization in the eastern part of Romania, our headquarters is in the Palace of Culture, of Iasi, Romania, recently restored edifice which houses four national museums, "Stefan Procopiu" Science and Technique Museum among them. Procopiu was an important scientist, born in the city of Iasi, known for the Procopiu Effect. A considerable part of the museum patrimony refers to various forms of producing energy. We would like to be involved in a topic-related-project.

MEDIA ONE SRL: Established in 1994, Media One is a Romanian company with expertise in implementing national and international projects, awareness and communication, social issues, development and delivery of educational programs, sociological research, development of human resources, gender equality, equal opportunities, environmental protection, training, civil rights and social inclusion. See Media One experience at <http://www.mediaone.ro>.

EUROKLEIS S.R.L.: Eurokleis is an Italian SME with a strong research and academic background. Eurokleis has a multidisciplinary team with a long-time experience in innovation management, technology transfer, IPR management, dissemination, impact evaluation and maximization. Eurokleis develops learning material, videos and divulgative publications. See Eurokleis experience at <http://www.eurokleis.com/projects-en/>.

Showing 2 to 3 of 3 entries. ← PREVIOUS 1 NEXT →

Partner searches

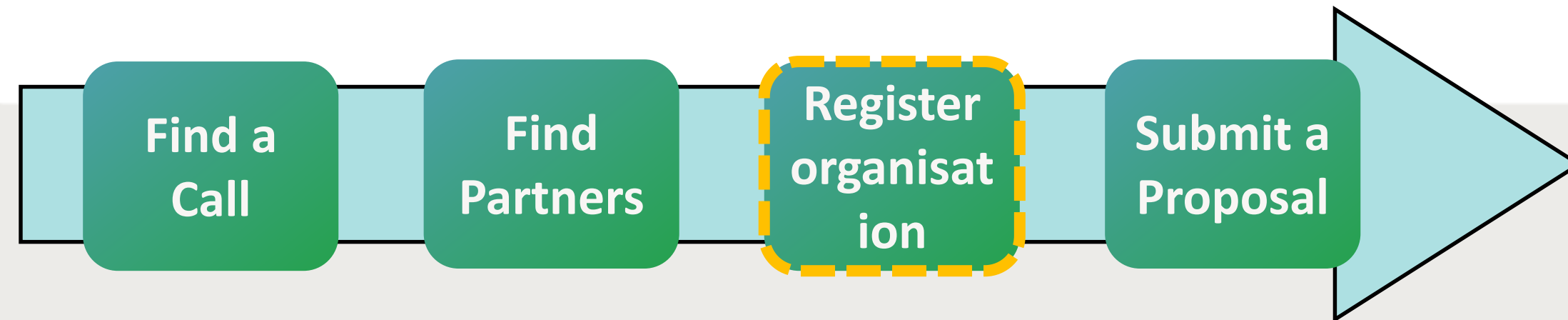
Actions:

- Contact per email
- See details

Partner description



Registering your organisation



Why register?

Mandatory for participation in a proposal, your organisation needs to be registered and have a 9-digit Participant Identification Code (PIC).

How

Via the Participant Portal: To register, you need to **login** in the Portal or, if you are a new user, [create your account](#).

What next?

Perform the Financial Viability Self-Check!

The FCH 2 JU always checks the financial capacity of a project coordinator when the requested EU funding for the action is **equal or superior to EUR 500,000**

DON'T FORGET!

Where?

In the Participant Portal

Register your organisation

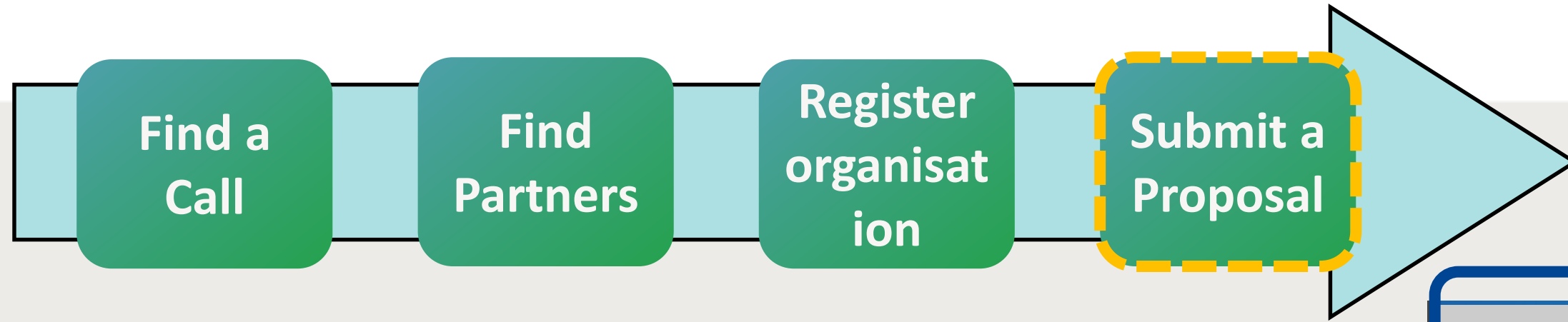
To register, you need to **login** in the Portal or, if you are a new user, [create your account](#).

Check what information you need to register in the [H2020 Online Manual](#) - **and keep it to hand** during the registration procedure. To start registration, click on the button below.

REGISTER ORGANISATION



Building a proposal in some clics



Process overview

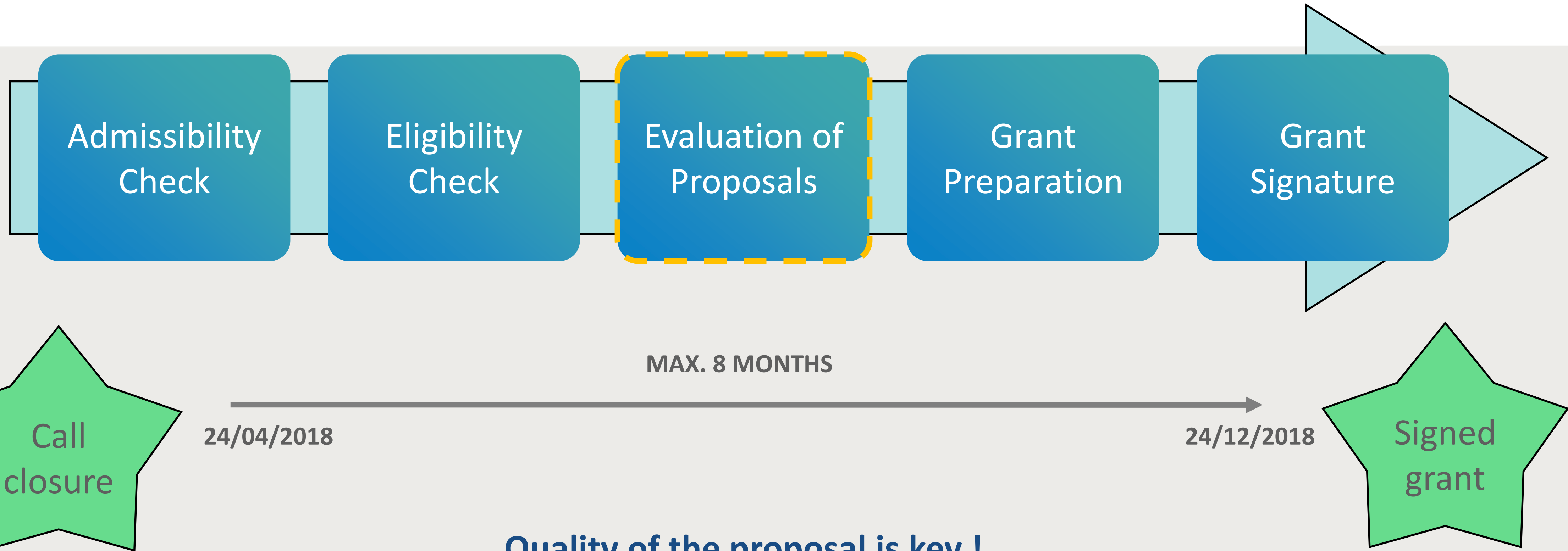
Information Pane

Org. Registration needed

Technical Annexes
Word documents



8 months for Time-To-Grant

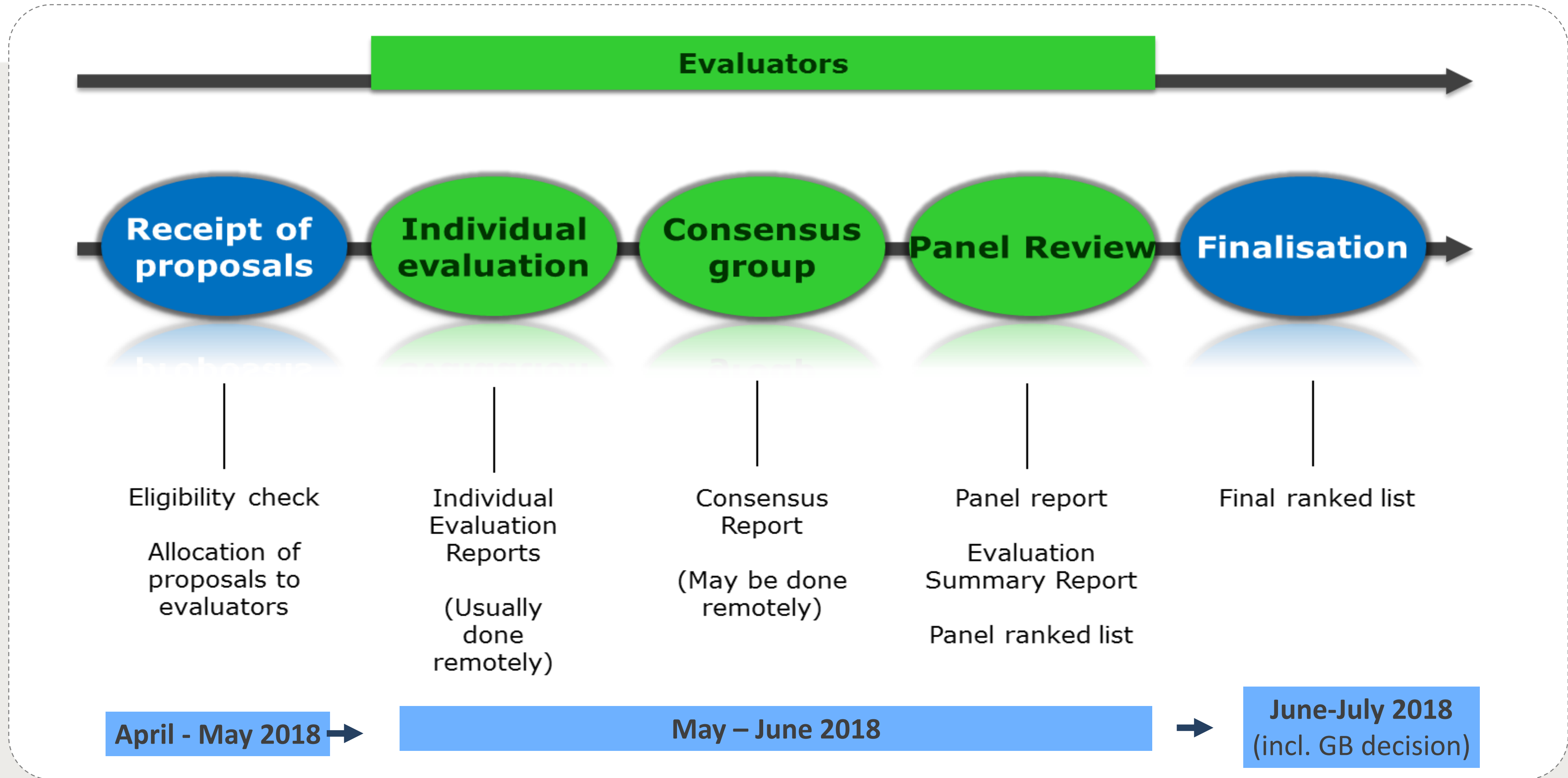


Quality of the proposal is key !

- The experts evaluate each proposal as submitted
- The experts do not recommend substantial modifications
- If the experts identify significant shortcomings, they must reflect those in a lower score for the relevant criterion



Overview of the Evaluation Process



FCH JU will evaluate the proposals with the help of independent external experts ('evaluators')



Evaluation by independent experts

How are the evaluators selected?

European Commission database of experts

Register through the Participant Portal

Selection of experts

- High level of skill, experience and knowledge
- Independence and absence of conflict of interest

And a **balance** in terms of:

- geographical diversity
- gender
- where appropriate, the private and public sectors, and
- an appropriate 'rotation' from year to year.



The screenshot shows a blue banner with the title 'Experts' and 'H2020 ONLINE MANUAL'. Below the title, it reads: 'Join the database of independent experts. The European Commission appoints independent experts to assist with assignments that include the evaluation of proposals, monitoring of projects, and evaluation of programmes, and design of policy.' To the left of the text is an illustration of a human head profile filled with gears and symbols.

[REGISTER AS EXPERT](#)

In principle, each proposal will be examined by **at least three experts**

Presence of **one or more independent observers**

Experts that have a **conflict of interests** will be excluded by us !

Feedback to applicants



- **Maximum 5 months from the call deadline:** Evaluation Results Letter (through Participant Portal)
- **Complaints (*request for evaluation review*):** within **30 days** of receiving the Evaluation Results Letter (through Participant Portal)
- **Flash Info** on Participant Portal (*similarly on FCH2 JU website*):
 - Publishing number of proposals submitted per budget/list of topics, **after the call deadline;**
 - Publishing basic statistics on the outcome of the call (e.g. total proposals, ineligible, above/below-thresholds) **at the same time with the feedback/evaluation results to all applicants**

