



ERA-NET Instrument

Reference EC scheme since the FP6 (started 2002) for supporting multinational partnerships between national research funding organisations

ERA-NET activities: Networking, joint activities (incl. **joint transnational calls** for projects with consortium incl. at least 3 countries)

Variants: ERA-NET (FP6, FP7), ERA-NET+ (FP7), **ERA-NET Cofund (H2020)**

ERA-NET Cofund activities shall comprise a joint call whose **selected research projects** are **cofunded** by the EC (up to 33% of the research funding)

FP7/H2020 work
programme preparation

ERA-NET (Cofund)
proposal submission

Call(s) of the ERA-NET

Funding of European+
projects



ERA-NET FETs

- ☐ FLAG-ERA – www.flagera.eu
- ☐ QuantERA – www.quantera.eu
- ☐ CHIST-ERA – www.chistera.eu

L'ANR est au premier plan des 3 ERA-NETs FET :

- Coordination de CHIST-ERA et FLAG-ERA
- Dans QuantERA, l'ANR prépare et met en œuvre l'appel de QuantERA (approx. 30 M€)
- CHIST-ERA, FLAG-ERA, QuantERA sont des ERA-NETs « FET »

PARTNERS



CHIST-ERA

03 February 2020

Paris, France

ASSOCIATES



Co-funded by
the European Union



- ❑ **A network (ERA-NET) of research funding organisations in Europe and beyond (Québec)**
 - ✓ Covering most European countries
- ❑ **Supporting long term research targeting emerging digital technologies**
 - ✓ Investing in the identification and definition of promising topics
 - ✓ Supporting 2 topics per year
 - Typically 10-15 projects of approx. 0.8 - 1 M€ each, involving at least 3 countries each
 - ✓ Encouraging Open Science
- ❑ **Relying on a well-established yearly call cycle**
 - ✓ High quality evaluation process
- ❑ **Fostering cross-fertilisation across topics and strategic thinking through a yearly Funded Projects Seminar**

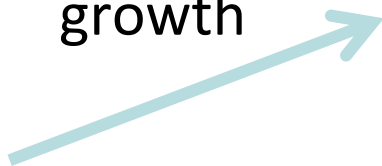
Network of Research Funding Organisations

Call 2010

9 funding organisations
9 countries

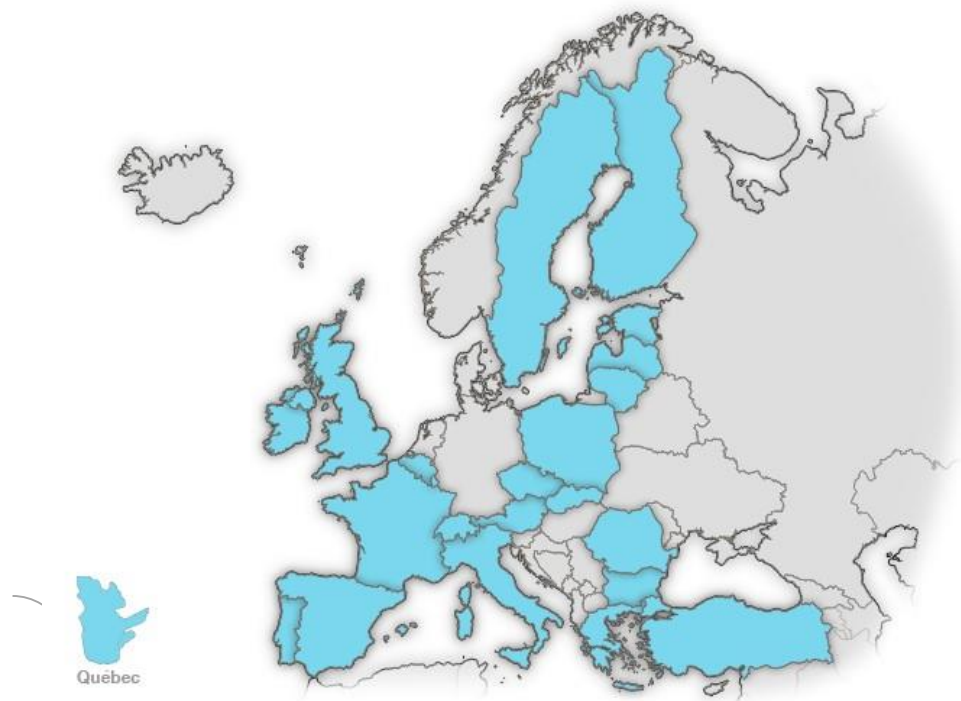


Steady
growth



Call 2019

28 funding organisations
25 countries



Yearly Main Events

- ❑ **Call topics selection workshop (among funding organisations & scientific advisory board)**
 - ✓ Elaborate topic selection process open to new ideas
 - ✓ Selection based on well-defined criteria and thorough discussion
- ❑ **Call topics definition conference (for all researchers interested in a selected topic)**
 - ✓ Advertises the call
 - ✓ Contributes to call scoping
 - ✓ Networking event for the applicants
- ❑ **Funded Projects Seminar (for all representatives of active projects)**
 - ✓ Contributes to project follow-up
 - ✓ Networking event for projects within and across topics
 - ✓ Fosters strategic thinking



Fostering Strategic Thinking and Topic Maturation

☐ **Relying on the Funded Projects Seminar**

- ✓ Put the items below on the agenda of the thematic parallel sessions and ask to cover them in the presentation in plenary session

☐ **Connection with H2020 and development of strategic research agendas**

- ✓ Discuss the relevant parts of H2020 for the topic, whether they fulfil the needs, and potential evolutions

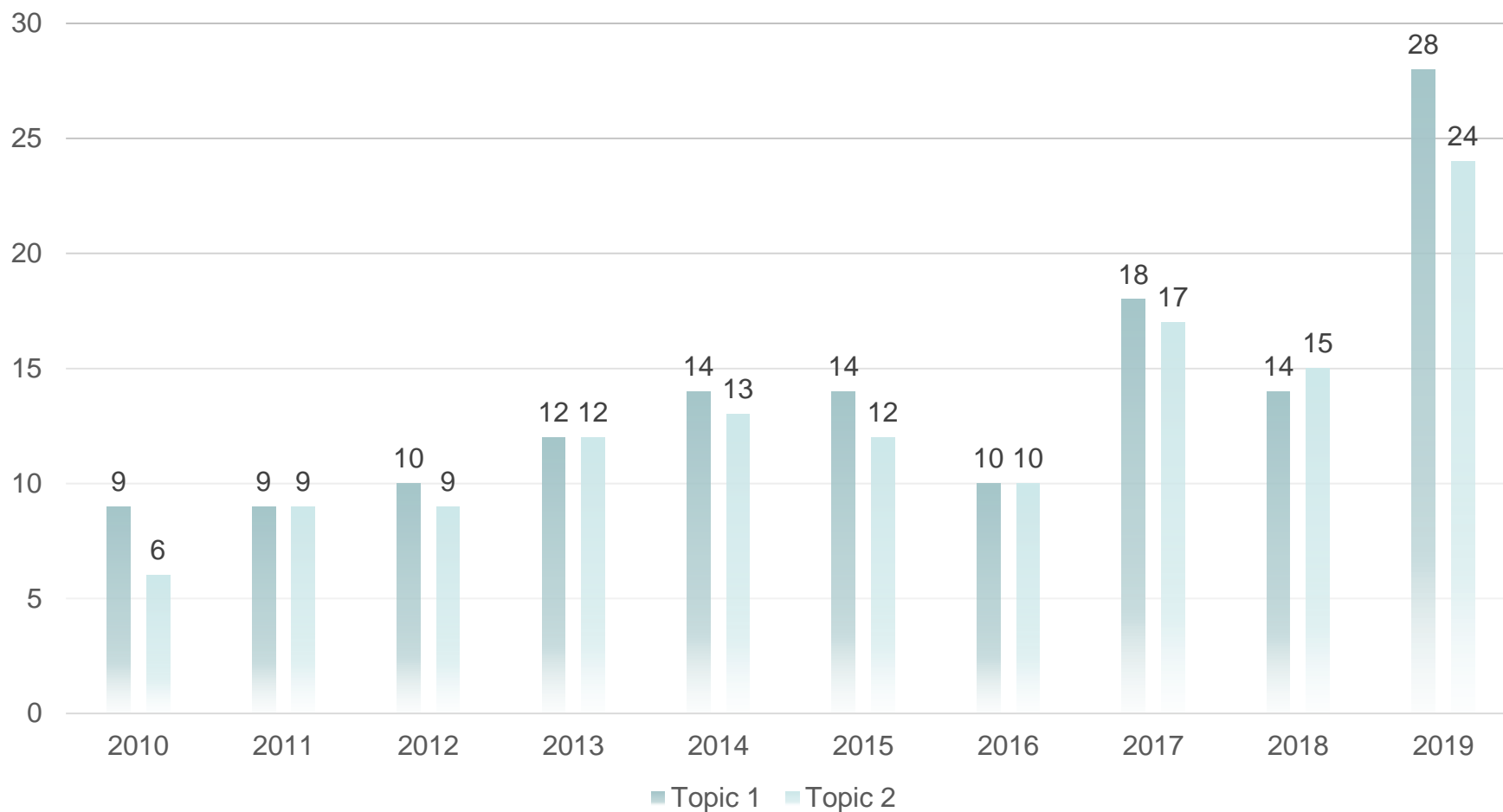
☐ **Technology Transfer**

- ✓ Discuss and present the potential, achievements and needs in connecting to users and/or industry

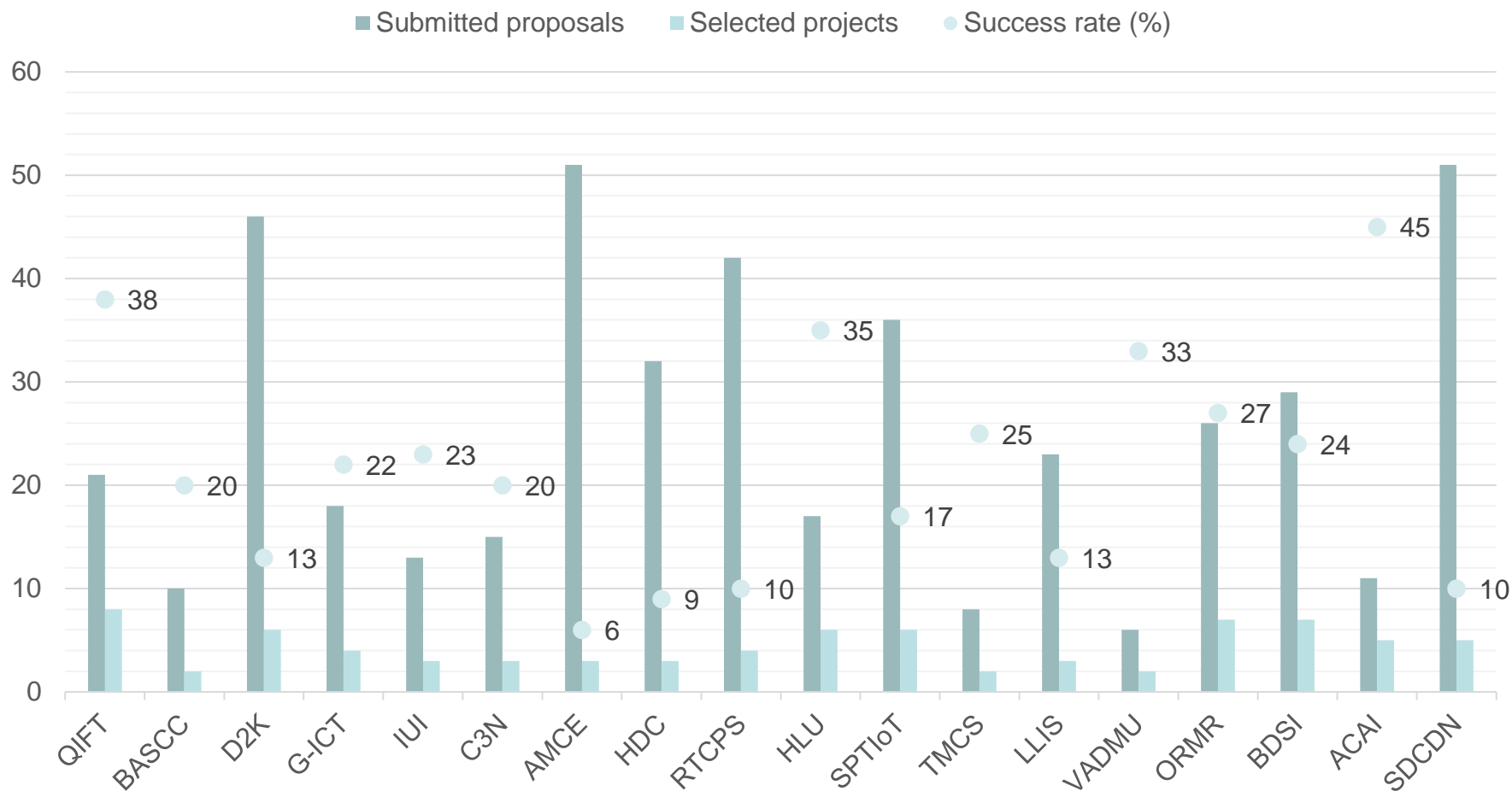
☐ **Impact analysis**

- ✓ Offer to attend editions of the Seminar beyond project end

Funder Participation in Calls



Success Rate in Calls

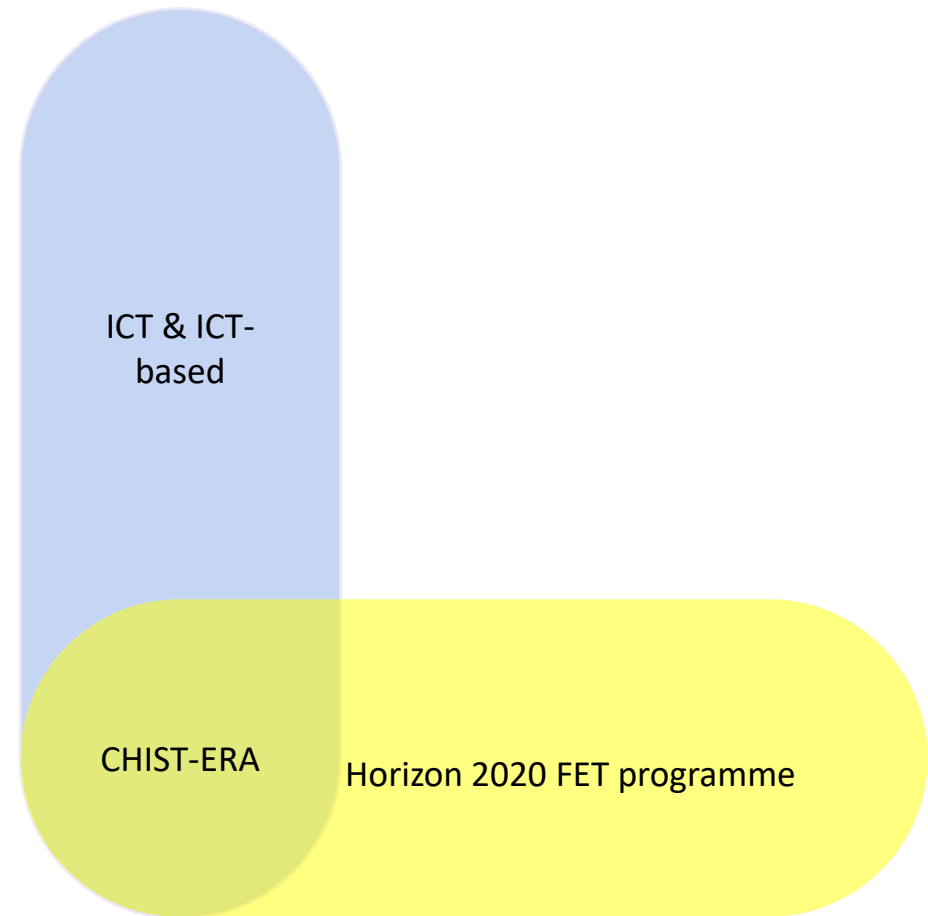


Success rate (average): 17.4%

- ❑ CHIST-ERA is the ERA-NET of the FET Proactive programme
- ❑ Support to **basic research for future and emerging ICT (FET-like research)**
 - ✓ Long term interdisciplinary research
 - ✓ Risky with potential high impact
 - ✓ Favour novelty

CHIST-ERA promotes

- Widened participation through the European Research Area
- Open access to publications and research data





- ❑ **Launch in the fall 2020**
- ❑ **Call Announcement will be published at www.chistera.eu**
 - ✓ Brain-Computer Interfaces / Interaction in Virtual Spaces
 - ✓ Frugal ICT

❑ As of the Call 2019, the applicants...

Open access to publications

- ✓ ... commit, if they are selected, to deposit the publications (full text) resulting from the project into an open archive
- ✓ ... are encouraged to opt for publishing in open access journals

Open access to research data

- ✓ ... must provide, if they are selected, a Data Management Plan together with the yearly project scientific report
- ✓ ... are encouraged in that respect to adopt approaches as open as possible

❑ Next steps

- ✓ Provide applicants with Data Management Plan template
- ✓ Further define CHIST-ERA Open Science policy (guidelines + related tools to support the researchers)

AGENCE NATIONALE DE LA RECHERCHE

ANR

*Coordination by the
Marie-Alexandra Neouze*



FLAG-ERA

Supported by the



European
Commission

***marie-alexandra.neouze@anr.fr**
www.flagera.eu*

Mission 1:

Trans-national Calls

2019



FLAG-ERA

2020

2021

Supported by the



European
Commission

2022

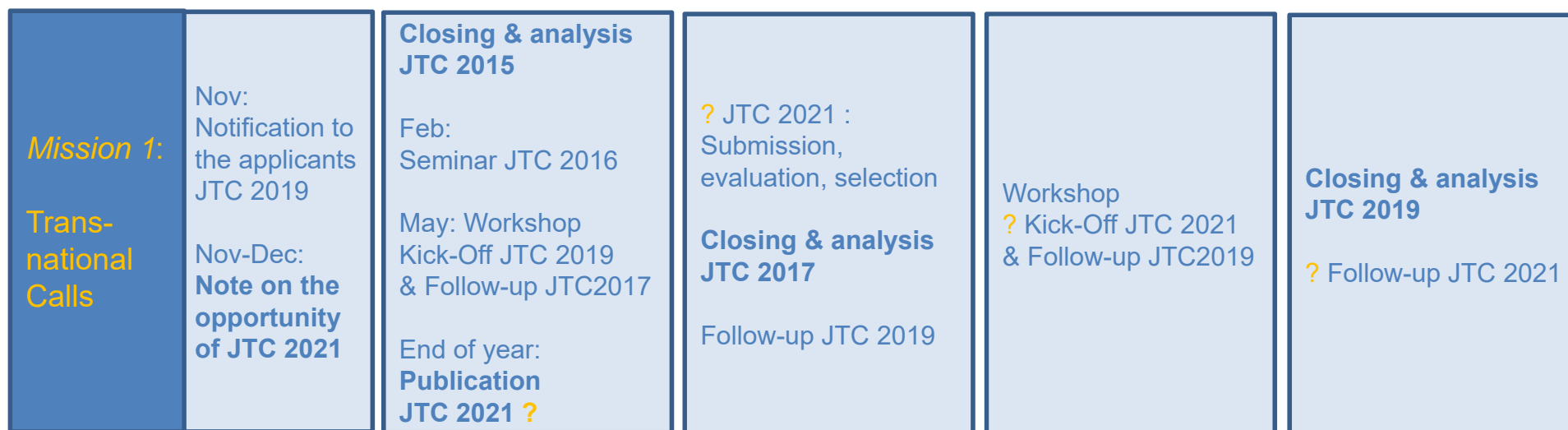
2023

Mission 2:



**Support to the Flagships:
HBP & Graphene**





2019

2020

2021

2022

2023



Supported by the



European Commission



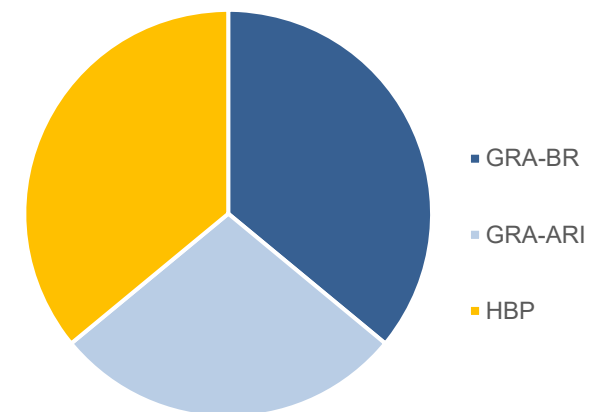
Outcome of the JTC 2019

	Eligible pre-proposals	Full proposals above threshold	Number of selected projects
Graphene Basic (GRA-BR)	30	25	9
Graphene Applied (GRA-ARI)	23	11	7
Human Brain Project (HBP)	29	24	9
Overall	82	60	25

25 projects recommended for funding
out of 82 submitted pre-proposals

Success Rate of 30%

Number of projects recommended for funding

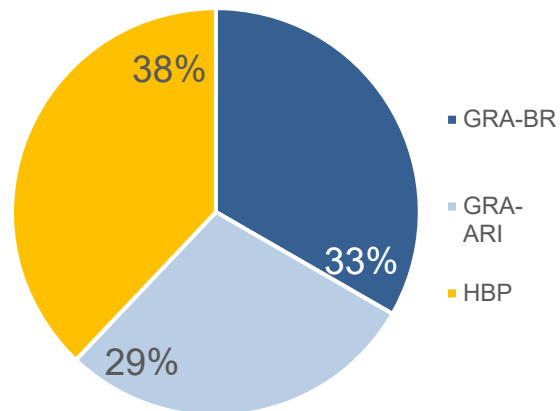


Outcome of the JTC 2019

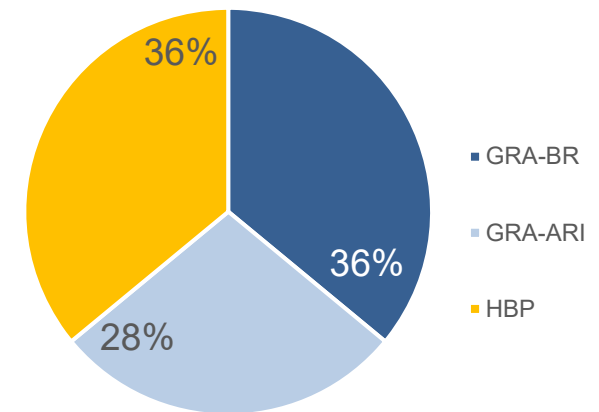
	Committed Budget	Number of selected projects
GRA-BR	5,8 M€	9
GRA-ARI	5,0 M€	7
HBP	6,6 M€	9
Overall	17,4 M€	25

Effective Budget of
the JTC 2019:
16,4 M€

Committed Budget



Number of projects recommended for funding



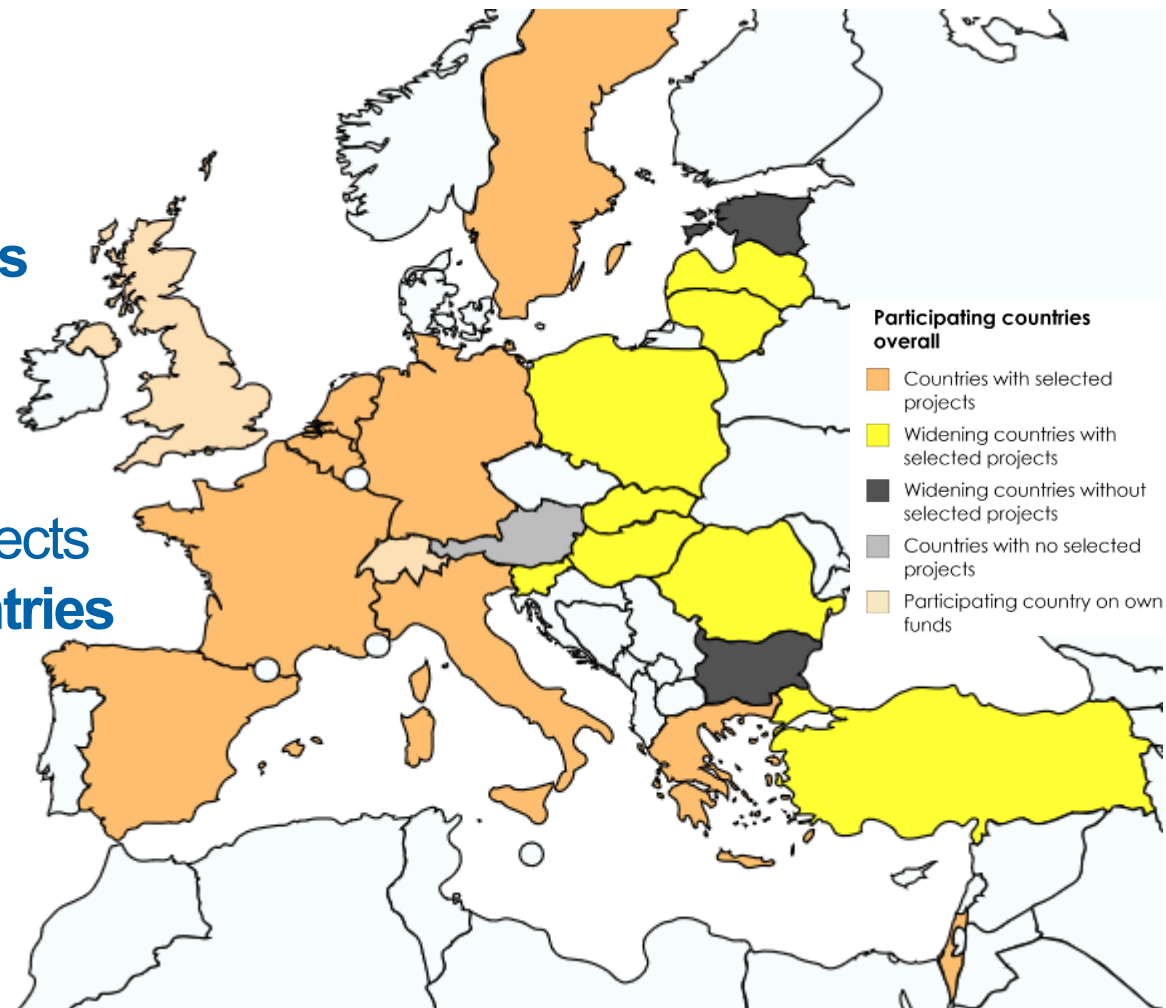
FLAG-ERA calls 2015, 2017 & 2019

67 funded projects
Representing 309 participants

27% success rate

20 countries with funded projects
From which **8 widening countries**

Effective budget 42,5 M€





Kick-Off Meeting JTC 2019 Follow-up Meeting JTC 2017 RRI Workshop



04 – 06 May 2020 in Bucharest, Romania

Hosted by: *UEfiscodi*

Supported by the   European Commission

Board of Funders Brussels, 22 November 2019

*Sylwia Kostka, NCN
QuantERA Programme Coordinator*



QuantERA Calls 2017 & 2019

EUR 45M

38 transnational
research projects

**193 research teams
from 25 countries**

- › Quantum communication
- › Quantum simulation
- › Quantum computing
- › Quantum information sciences
- › Quantum metrology sensing & imaging

**Call
2017**

221 pre-proposals
91 full proposals
26 selected projects

**Call
2019**

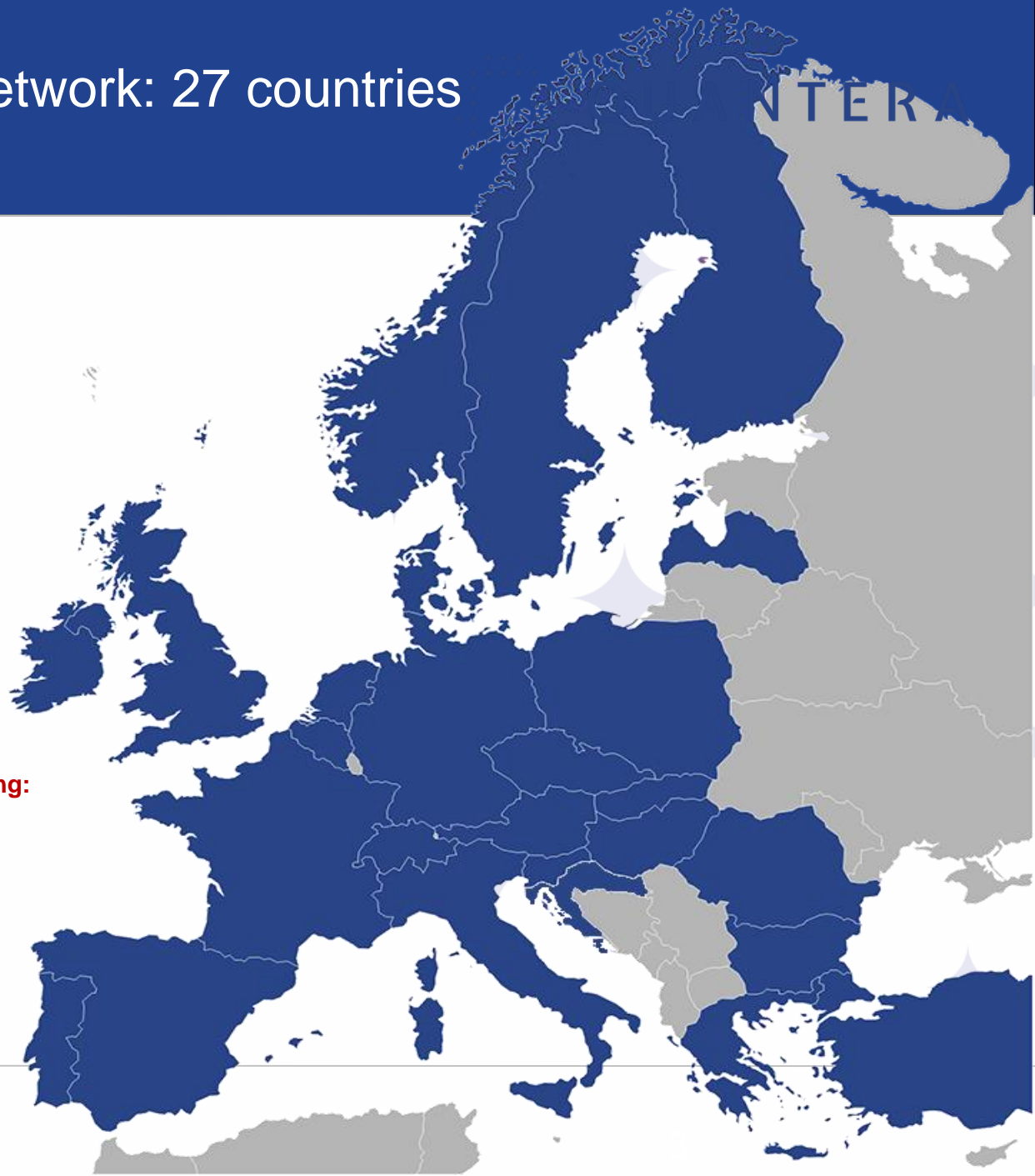
85 pre-proposals
56 full proposals
12 selected projects

QuantERA Network: 27 countries

- Austria
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Israel
- Italy
- Latvia
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom

EU countries missing:

- Cyprus
- Estonia
- Luxembourg
- Malta





WP6. Strategic Developments

Task 6.5.

Mapping the development of **public policies in QT** in Europe

TASK LEADER: **Spain AEI**, contributing: **NCN, ANR, ALL**

To do so, we will look into national, European and other international collaborative instruments related to the area, or analyse specific national policy documents:

- **please provide information on the strategic research policy in your country!**

(APPROX. 2 PAGES OF INFORMATION - name of the programme, start date, objectives, funding, etc. In case of no specific policy - any information related to activities/projects/initiatives that support QT in your country).

- **deadline:** by the end of **January 2020**

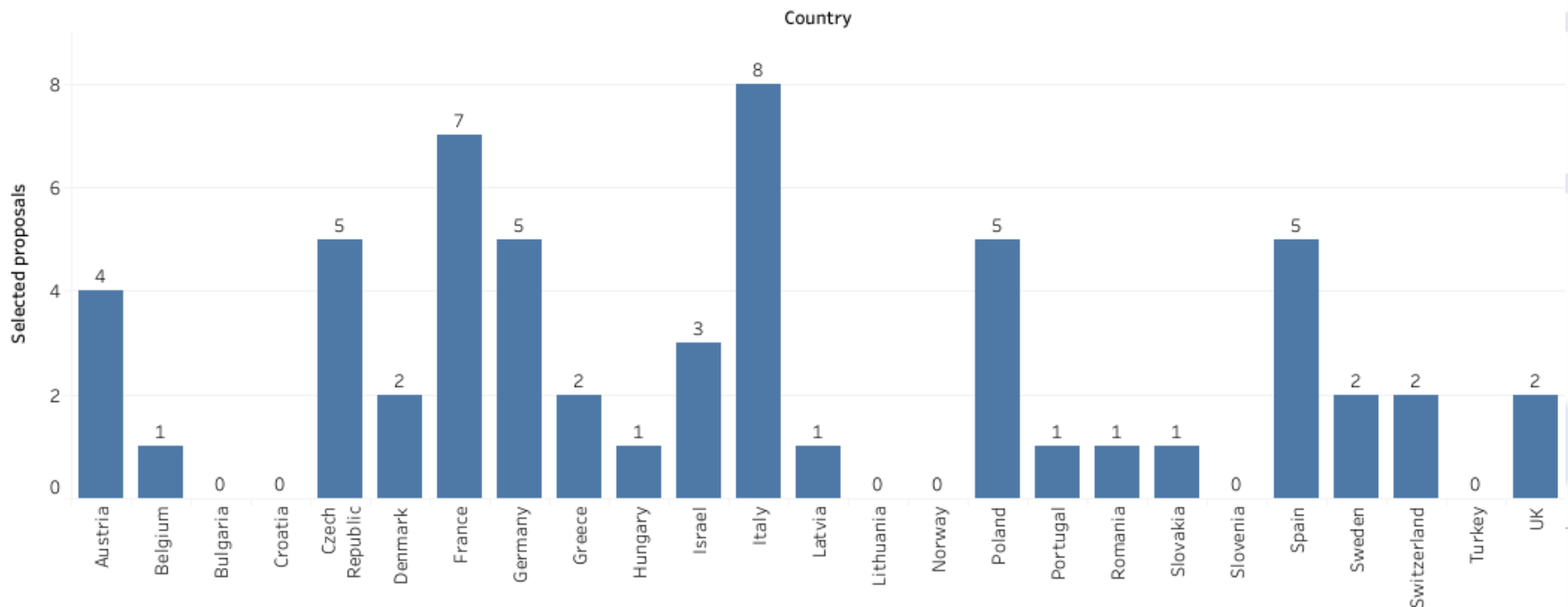
➤ **BoF Representatives input is crucial**

A final **REPORT** of the mapping exercise will be due in **SUMMER 2020**.

Results of the QuantERA Call 2019

- Submitted: 85 Short & Full Proposals, 83M EUR in total
- Selected: 12 Projects, ca. 13M EUR in total**
- 65 research teams (partners within projects)

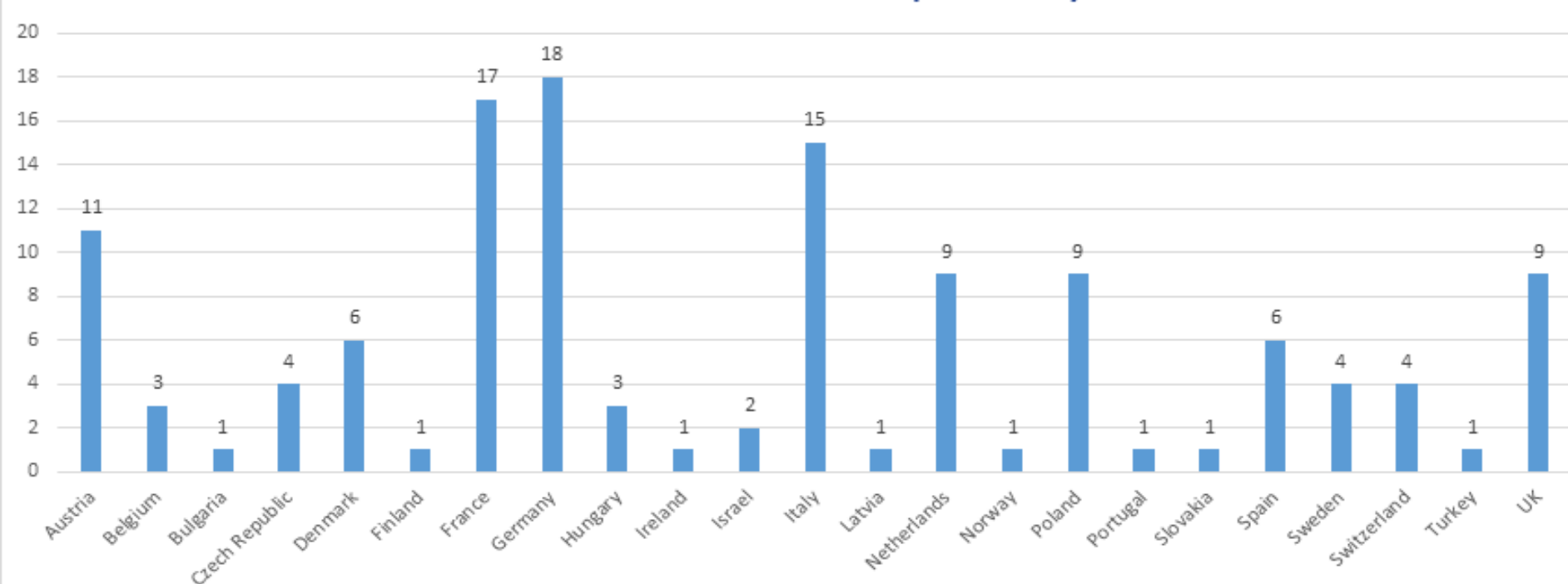
Number of projects per country



Results of the QuantERA Call 2017

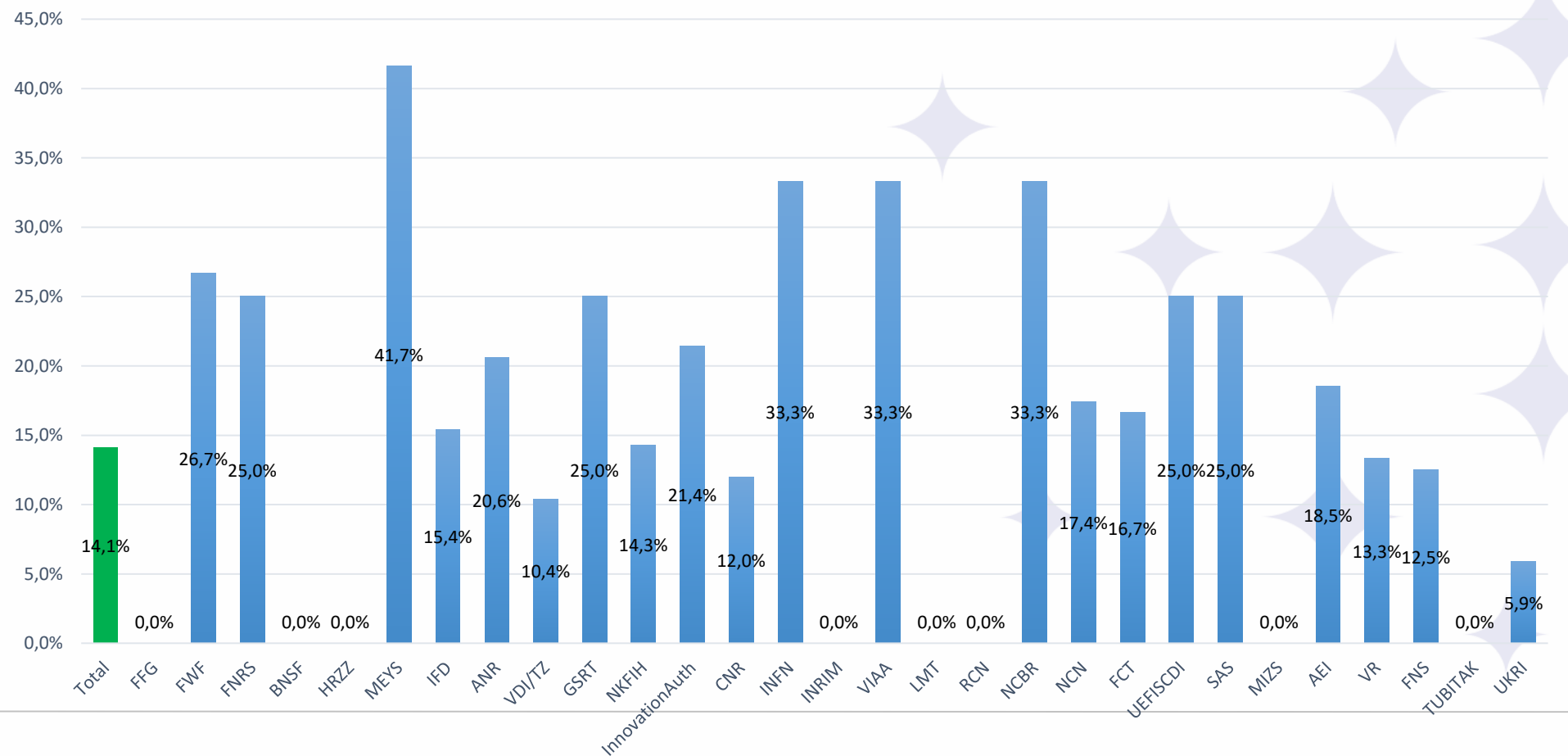
- Submitted: 221 Proposals, 236 M EUR in total
- Funded: 26 Projects, 33 M EUR in total**
- 128 research teams (partners within projects)

Number of Research Teams per Country



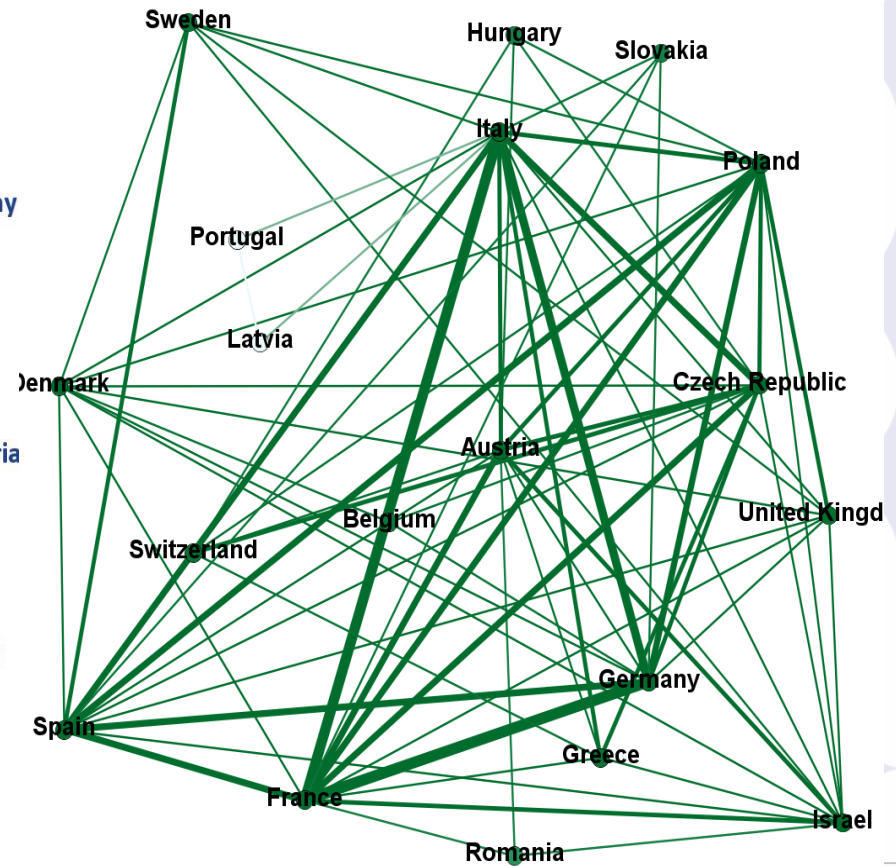
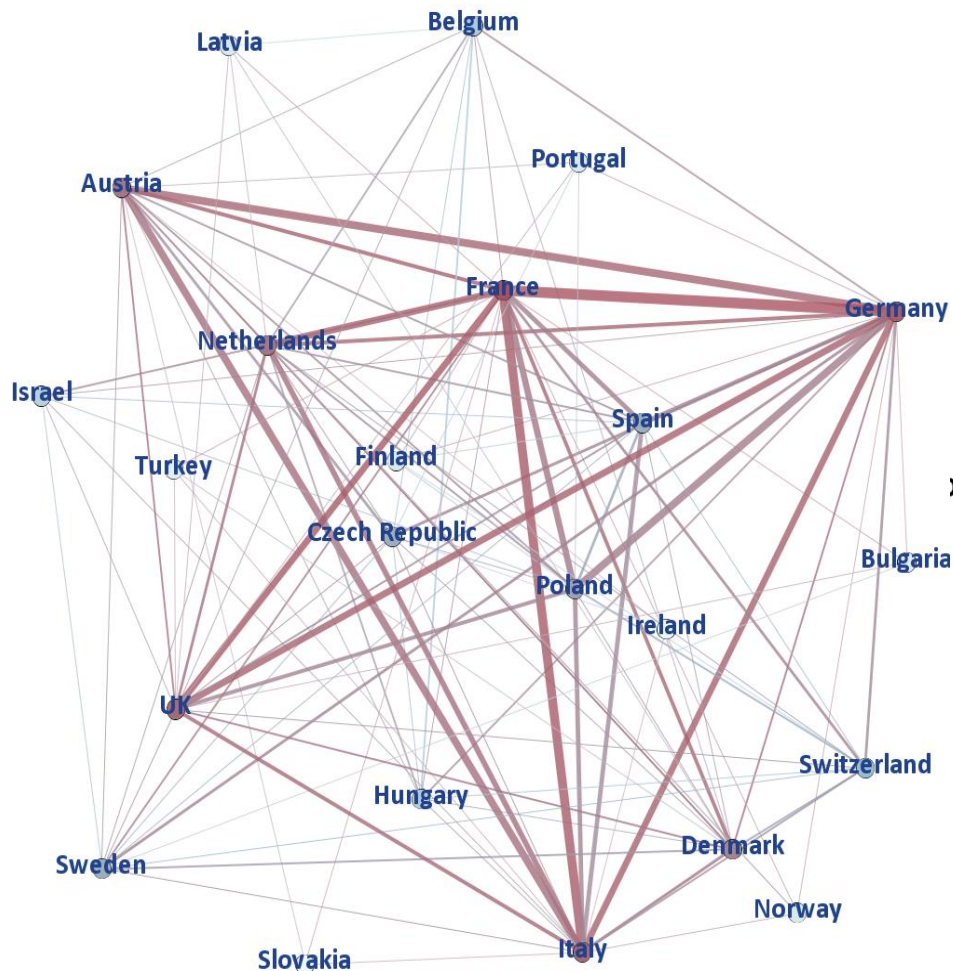
Call 2019 success rate

Success rates w.r. to the short-proposals stage





QuantERA Projects: ca.200 research teams from 25 countries



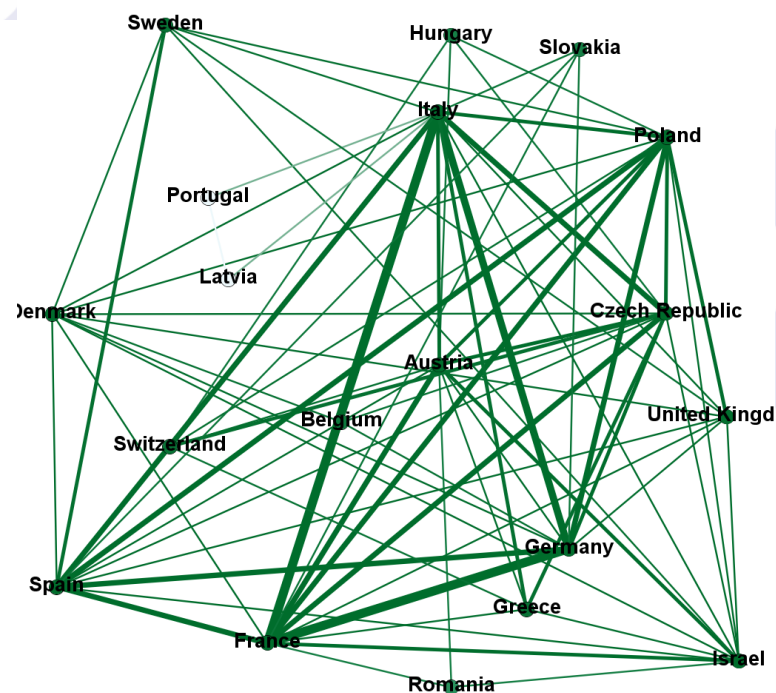
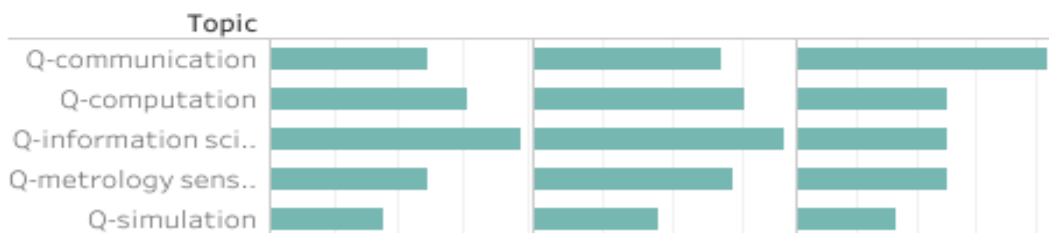
QuantERA Call 2019

Thanks to the funding provided by the QuantERA member organisations, the list of projects recommended for funding included **12 excellent international proposals in the field of quantum technology research** for over EUR 13M.

Requested Funding (in EUR)

Short proposals (evaluated)	85	83,025,787
Full proposals (evaluated)	56	57,194,429
Selected proposals	12	13,031,153

Topics Distribution (%)



What's next?





QuantERA II

To ensure sustainability we will apply for the **QuantERA II** within the FETFLAG-04-2020 (ERA-NET-Cofund) EC call in 2020:

- The next **QuantERA Co-funded Call** would be launched in **2021**
- EC contribution: **15 M EUR**
- QuantERA's expected contribution: **ca.30 M EUR**

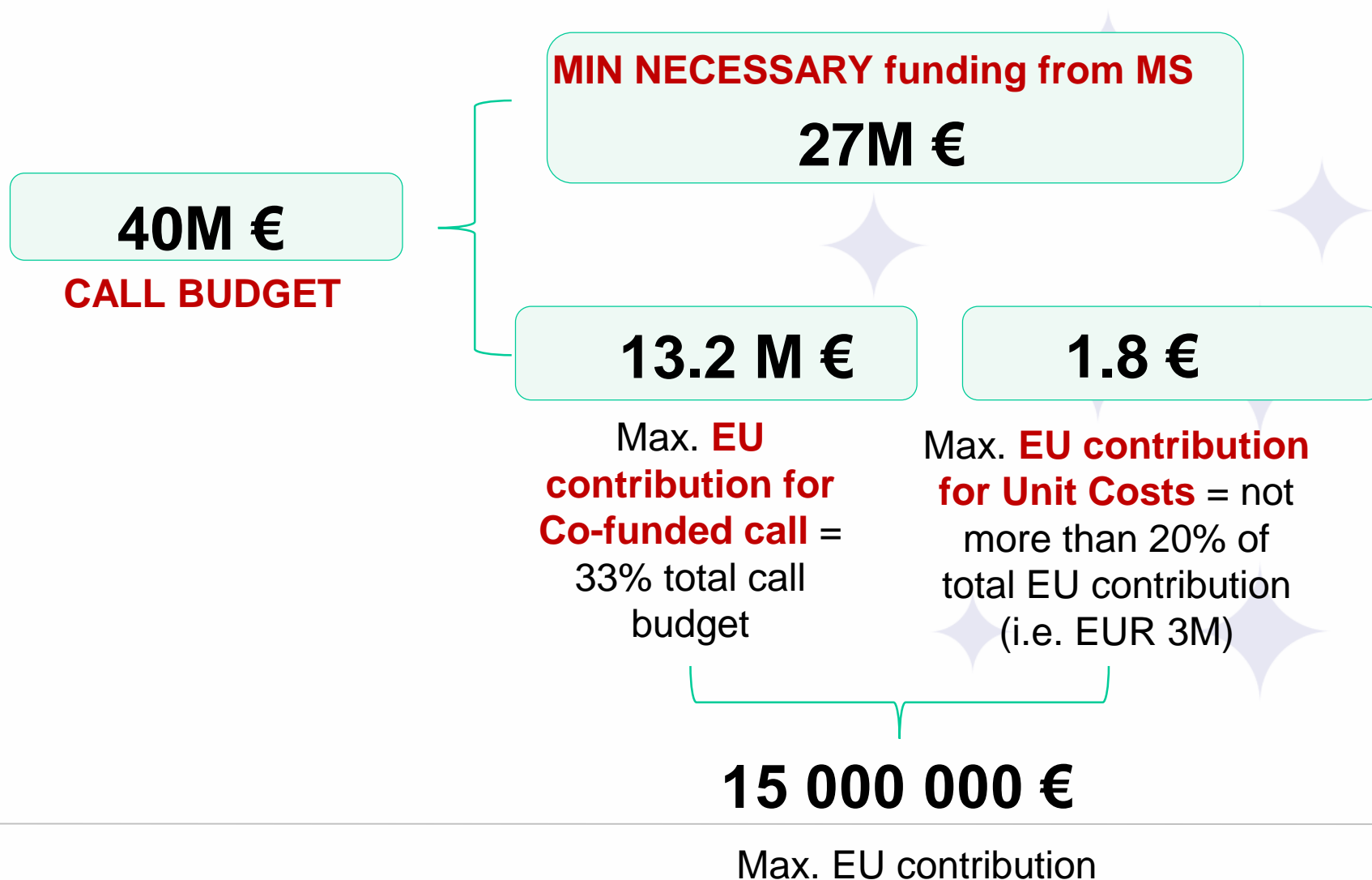
QuantERA I (2016-21):

- Co-funded Call 2017
- Call 2019

QuantERA II (2020-25):

- Co-funded Call 2021
- Call 2023

QuantERA II - FETFLAG-04-2020 (ERA-NET-Cofund)





QuantERA Mid-Term Projects' Event (AEI Spain)





QuantERA Strategic Advisory Board

Alain Aspect
Institut d'Optique



Igor Jex
Czech Technical
University in Prague



Sir Peter L. Knight,
Imperial College



**Tommaso
Calarco**
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Stuttgart



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Jiri Vala
Maynooth
University

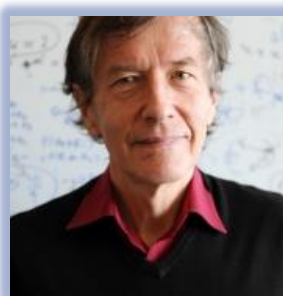


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