



QuantERA Call 2023





QuantERA II





QuantERA II

The QuantERA II ERA-NET Cofund is a network of Research Funding Organisations financing research projects in Quantum Technologies (QT). QuantERA has managed to efficiently pool, coordinate and mobilise national and regional resources in order to fund ambitious research and innovation in the QT domain.

QuantERA II Consortium aims to stimulate and intensify QT research and innovation at the European level, through a framework for funding excellent transnational collaborative projects, recognising and rewarding outstanding research ideas in the field of QT.

- Call 2021 budget: 40 M EUR (co-funded)
- Call 2023 budget: 33 M EUR (non co-funded)

JOINT ACTIONS

- ◆ Directing the transnational Calls for Proposals in the field of QT
- ◆ Fostering international dialogue and cooperation among Research Funding Organisations
- ◆ Promoting responsible research and innovation in QT (RRI)
- ◆ Spreading research excellence within Europe and beyond
- ◆ Mapping the development of public policies in QT in Europe
<https://quantera.eu/additional-activities/mapping-of-public-policies>

QUANTUM TECHNOLOGIES

PUBLIC POLICIES IN EUROPE

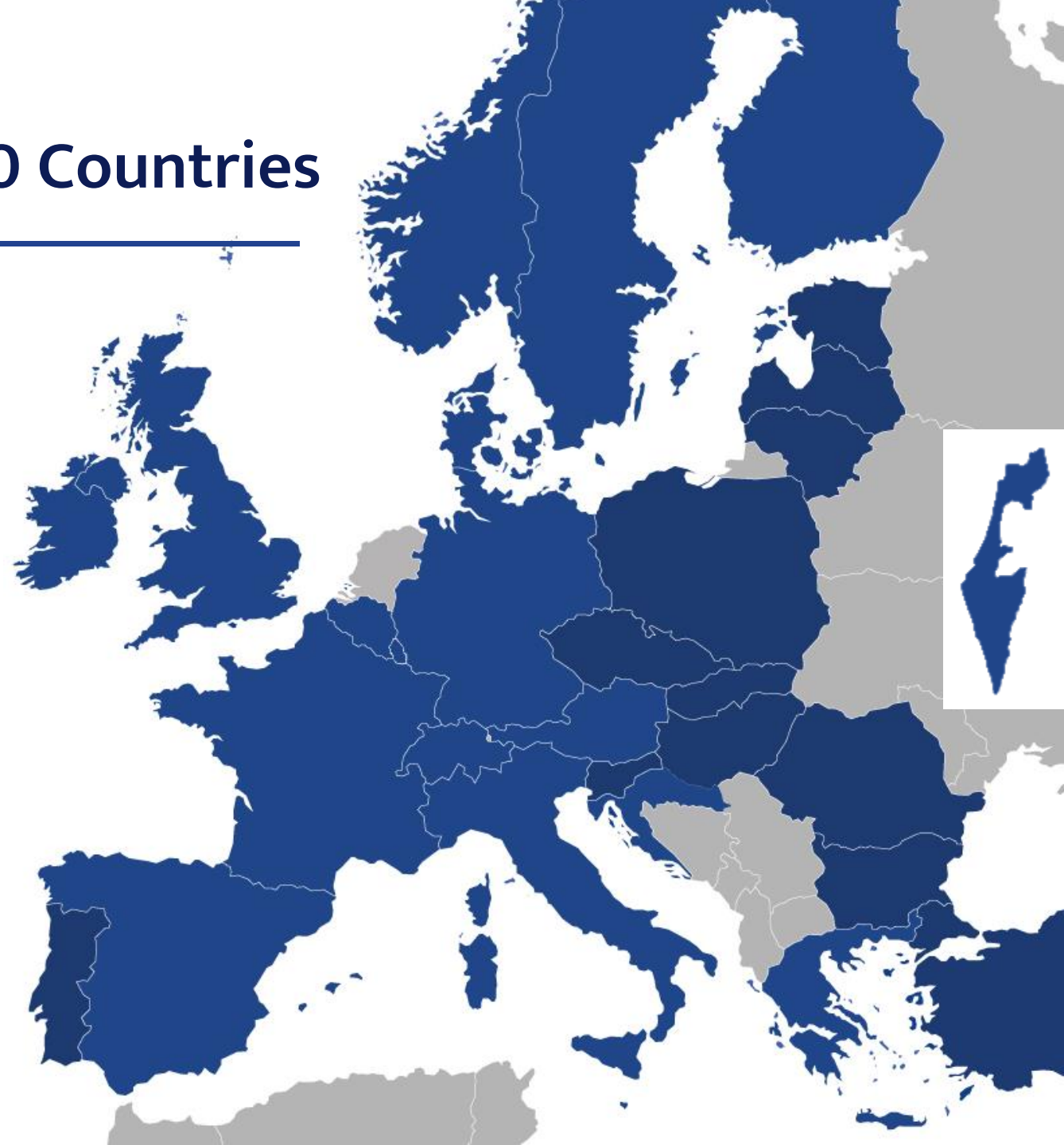




QuantERA II

38 Partners from 30 Countries

Austria	FFG, FWF	Latvia	VIAA
Belgium	FNRS, FWO	Lithuania	LMT
Bulgaria	BNSF	Luxembourg	FNR
Croatia	HRZZ	Malta	MFIN
Czechia	MEYS, TACR	Norway	RCN
Denmark	IFD	Poland	NCBR, NCN
Estonia	ETAg	Portugal	FCT
Finland	AKA	Romania	UEFISCDI
France	ANR	Slovakia	SAS
Germany	BMBF, DFG, VDI	Slovenia	MIZS
Greece	GSRT	Spain	AEI
Hungary	NKFIH	Sweden	VR
Ireland	SFI	Switzerland	SNSF
Israel	Inn. Auth.	Turkey	TUBITAK
Italy(2021)	CNR, INFN, MUR	United Kingdom	UKRI
Italy(2023)	NQSTI		



QuantERA Strategic Advisory Board



Alain Aspect
Institut d'Optique



Igor Jex
Czech Technical
University in
Prague



Thorsten Schumm
Vienna University
of Technology



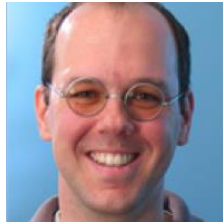
Stefanie Barz
University of
Stuttgart



**Sir Peter L.
Knight**
Imperial College



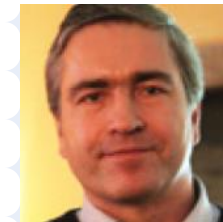
Andrew Shields
Toshiba Research
Labs Europe



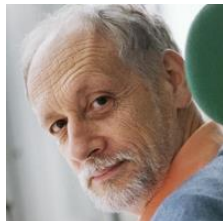
Tommaso Calarco
Forschungscentr
um Jülich



Gerd Leuchs
Max Planck
Society



Jiri Vala
Maynooth
University



Nicolas Gisin
University of
Geneva



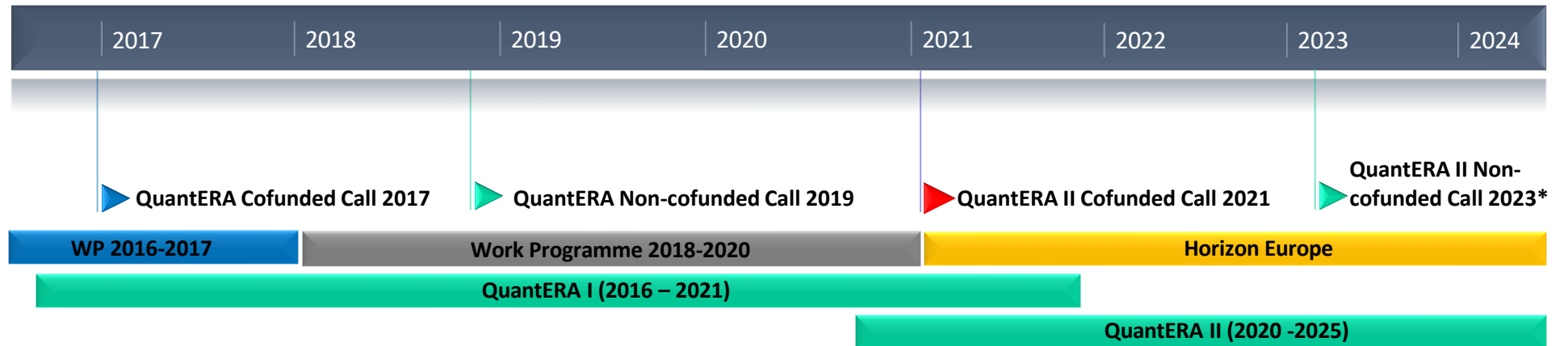
Yehuda Naveh
IBM Research
Israel



Marek Żukowski
Uniwersytet
Gdański

QuantERA II

QuantERA II ERA-NET Cofund is included in the Horizon 2020 FET Work Programme 2018-2020.



* TBC



Quantum Technologies Flagship

Flagship initiative of the European Commission

Financing international research projects in the field of QT

Supporting cooperation with the industry

1 billion euro/10 yrs



Q.QUANTUM
FLAGSHIP

Previous Calls



83,5
M EUR



77
international
research projects



>300
research teams
from 27 countries

Co-funded Call 2017

221 pre-proposals
26 funded projects

Call 2019

85 full proposals
12 funded projects

Co-funded Call 2017

128 pre-proposals
39 funded projects

77 % of the funded projects involve research teams from the "widening countries".



QuantERA II

Call 2023



QuantERA Co-funded Call 2023

Quantum Information and
Communication Sciences and
Technologies

Topics:

- ◆ Quantum Phenomena and Resources (QPR)
- ◆ Applied Quantum Science (AQS)

33 M EUR

Call Calendar:

Deadline for pre-proposal
Submission

11th May 2023

Notification of accepted
proposals

December 2023

Start date for
funded projects

January 2024





QuantERA Co-funded Call 2023

Funded projects are expected to address one or more of the following research areas:

- ◆ Quantum communication
- ◆ Quantum simulation
- ◆ Quantum computation
- ◆ Quantum information sciences
- ◆ Quantum metrology sensing and imaging

QuantERA Co-funded Call 2023

Evaluation:

Proposals are evaluated based on criteria of Excellence, Impact, Quality and Efficiency of the implementation

International consortium:

The project consortia must have a minimum of three partners requesting funding in at least three countries participating in the Call.

Project duration:

Projects may be funded for 24 or 36 months.

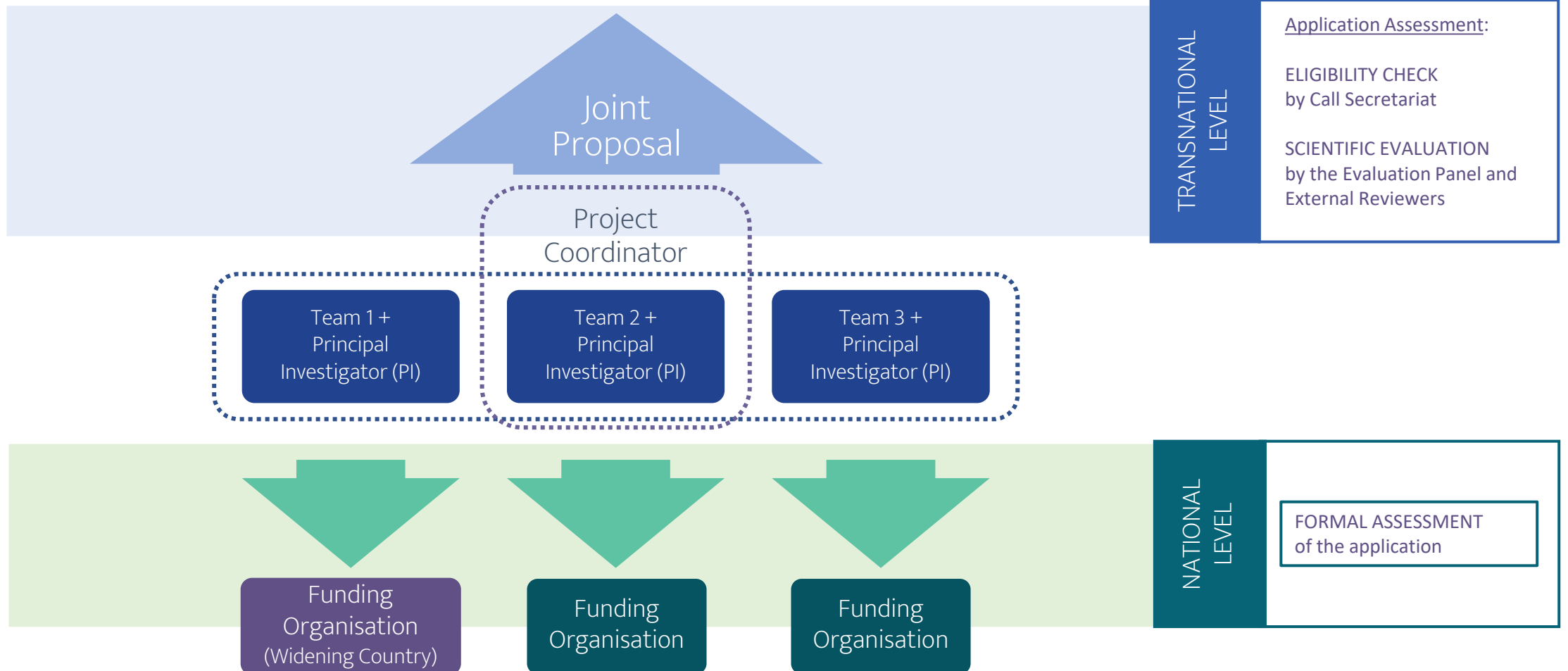
Participating countries:

Austria	Germany	Romania
Belgium	Hungary	Slovakia
Bulgaria	Israel	Slovenia
Canada	Italy	Spain
Croatia	Latvia	Sweden
Czechia	Lithuania	Switzerland
Denmark	Luxembourg	Turkey
Estonia	Malta	United Kingdom
Finland	Netherlands	
France	Poland	



PROPOSAL SUBMISSION

ESS SYSTEM





QuantERA Co-funded Call 2023

Application and evaluation procedure:

A one-stage submission and evaluation procedure, with each proposal comprising a scientific document (a proposal form typically between 25 and 35 pages) and financial document (a table listing the detailed requested funding and lists of participants). It is Project Coordinator's (PC) responsibility to prepare a joint proposal for the whole consortium, using the templates available on the [QuantERA website](#). The two forms (proposal form and financial form) composing the proposal should be submitted via

<https://quantera.eu/call-2023-electronic-submission-system-3/>

Please be informed that no collaboration with Russian entities is allowed – whether funded or non-funded:

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_1544



Call documentation

National/Regional Eligibility Requirements – each applicant must:

- ◆ Fulfill the conditions of the national/regional research funding organisation.
- ◆ Review the requirements regarding eligibility of PIs and their institutions.
- ◆ Check the applicable eligible costs and if caps on funding are applied.
- ◆ Contact the relevant national/regional contact point for clarifications (lists included in the Call Announcement).



QUANTERA

ERA-NET Cofund in Quantum Technologies

✉ quantera@ncn.gov.pl

🌐 www.quantera.eu

📘 [@QuanteraCoFund](https://www.facebook.com/QuanteraCoFund)

🐦 [@quantERA_EU](https://twitter.com/quantERA_EU)



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