



QuantERA ERA-NET Cofund in Quantum Technologies

Board of Founders, Brussels 30.06.2016

Sylwia Kostka



NATIONAL SCIENCE CENTRE



Research funding in Poland 2015

MINISTRY OF SCIENCE AND HIGHER EDUCATION

National budget for research
€1.71 bln



MINISTRY'S
PROGRAMMES
AND AWARDS

Executive agency level



BASIC RESEARCH

NCN

Budget: € 222 M



APPLIED RESEARCH

NCBR

Budget: € 767 M
(€ 522 M - EU structural funds
€ 245 M – national budget)



Bottom-up Initiative

QuantERA

outcome of the successful cooperation between the funding agencies, scientific community and the EC





QuantERA Consortium





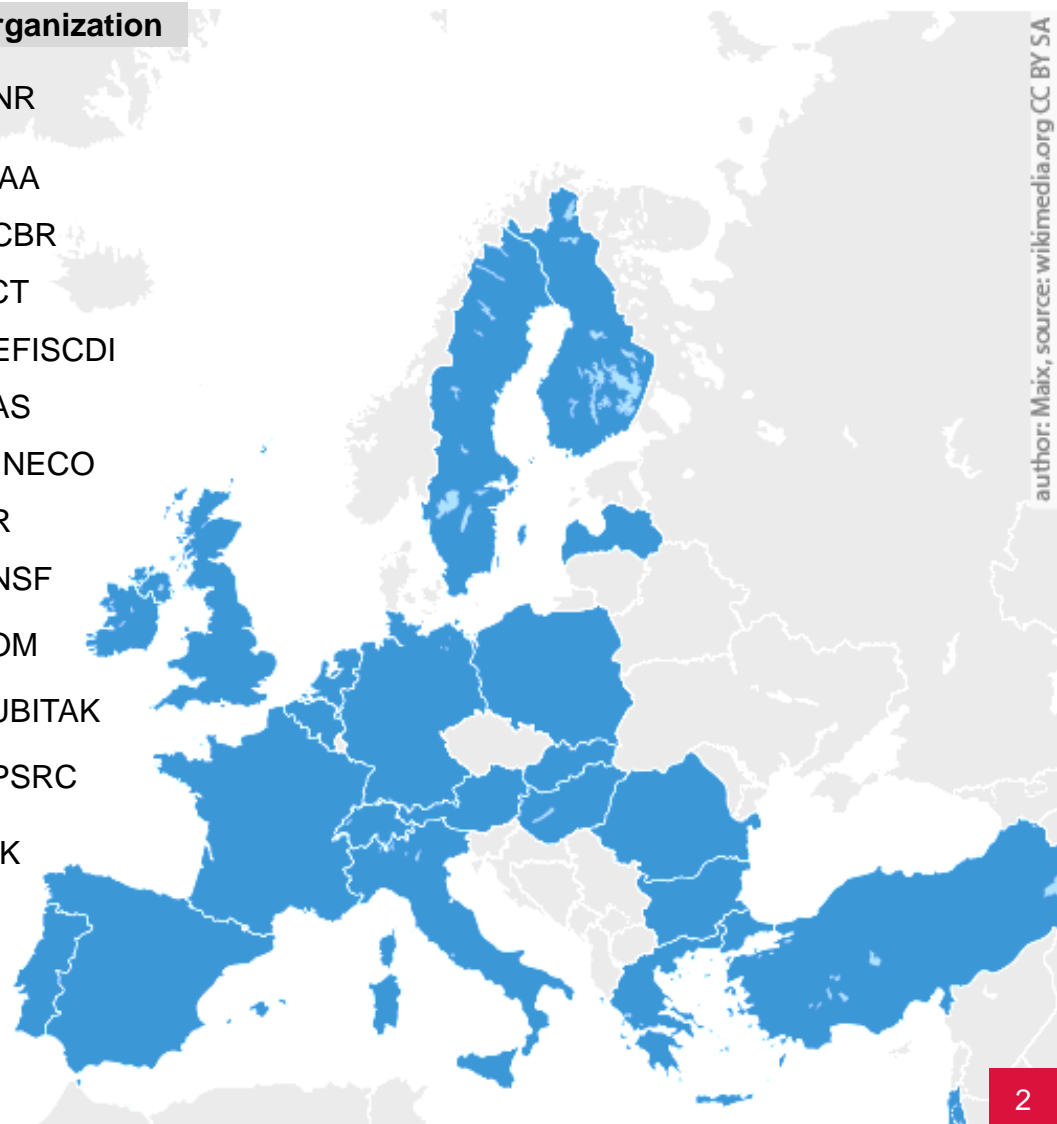
Objectives & goals





QuantERA Consortium

Country	Organization	Country	Organization
Poland (Coordinator)	NCN	Italy	CNR
Austria	FWF	Latvia	VIAA
Belgium	FNRS	Poland	NCBR
Bulgaria	NBSF	Portugal	FCT
Finland	AKA	Romania	UEFISCDI
France	ANR	Slovakia	SAS
Germany	BMBF	Spain	MINECO
Germany	VDI/VDE-IT	Sweden	VR
Greece	MINEDU	Switzerland	SNSF
Hungary	NKFIH	The Netherlands	FOM
Ireland	SFI	Turkey	TUBITAK
Israel	MATIMOP	United Kingdom	EPSRC
Israel	MOST	United Kingdom	IUK
Italy	MIUR		

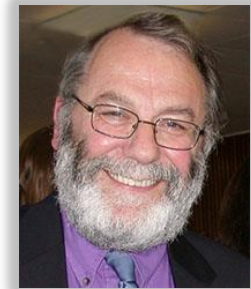


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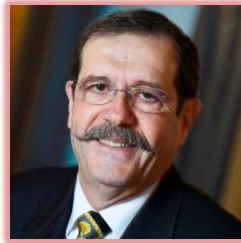




QuantERA Strategic Advisory Board



Sir Peter L. Knight, Imperial College



Alain Aspect
Institut d'Optique



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Technische Universiteit Delft



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Vice President Quantum Safe Security
idQuantique



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The ambition of QuantERA is:

- **to reinforce European scientific excellence in quantum research**, addressing major scientific challenges that are still to be solved
- **to identify novel aspects of quantum science** that can be used as resources for technological developments
- **to prepare a competitive European landscape for innovation and developments in QT.**

This will be done by:

- supporting collaborative research projects that will put together competences from numerous participating countries in various fields of quantum science
- supporting high risk projects potentially leading to new QT
- reinforcing interdisciplinary interactions in collaborative projects
- organising contacts between the running projects in order to share acquired knowledge and developments on a broad basis
- facilitating connections between academia and industry in order to move ideas from labs to applications



Funding instrument

European Commission Work Programme 2016-17

FETPROACT 3 – 2016:

FET ERANET Cofund in Quantum Technologies

Proposal submitted: **April 2016**

Expected results: **end of July 2016**

Budget: ca. **30 Mio EUR**



QuantERA Timeline

Programme Preparation (2014-2016)

Letter of Intent circulated and signed	2014
Consortium Kick-off Meeting in Krakow	June 2015
EC FET Work Programme 2016-17 approved	October 2015
Works on Quant-ERA Proposal	January to April 2016
EC FET Submission deadline	12 April 2016
Signature of the Grant Agreement with EC	Autumn 2016

QuantERA Co-funded Call Timeline

Launch of the Cofunded Call	January 2017
Ranking List	November 2017
Research Projects start	January 2018



QuantERA Structure

WP1

Coordination & Management

WP2

Co-funded Call Launch

- establishing the scientific content
- promotion and launch of the Co-funded Call

WP3

Co-funded Call Evaluation

- creating an electronic submission & evaluation system
- Evaluation Panels and list of projects to be funded

WP4

Monitoring & Follow-up

- projects' evaluation, mid-term and final reports
- programme impact assessment

WP5

Communication

- external communication
- dissemination of results

WP6

Strategic Developments

- two-way communication with industrial partners
- raising awareness on potential RRI issues
- mapping the development of public policies in QT



QuantERA Additional Activities

The QuantERA Consortium shares the perspective that QT, given its potential, but also complexity, must be supported as a part of a mid- to long-term strategy.

The main objective is to assess and support the continuation of QuantERA beyond the Co-funded Call by creating a long-term framework for action.

Strategic developments:

- Collaboration between the **academia and industry**
- Communication channels with **industrial stakeholders**
- Building **cooperation** with countries **beyond Europe**
- Raising awareness on **RRI issues** with regards to QT
- Mapping of development of the **public policies** in QT field
- Exploring future **funding opportunities**



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