Results of the QuantERA Call 2017

Sylwia Kostka, QuantERA Coordinator

Board of Funders, 1.12.2017

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under Grant Agreement No 731473.
QuantERA is a network of 32 organisations from 26 countries, coordinated by the National Science Centre, Poland.

The main goal of QuantERA is to fund excellent international research projects in the field of quantum technologies through joint calls for proposals.

The budget of the QuantERA Call 2017 is ca. €34M, combining national budgets with co-funding from the EC. This mechanism is called ERA-NET Cofund.
QuantERA Consortium

- Austria – FWF, FFG
- Belgium – FNRS, FWO
- Bulgaria – NBSF
- Czech Republic – MEYS
- Denmark – IFD
- Finland – AKA
- France – ANR
- Germany – BMBF, VDI-TZ
- Greece – GSRT
- Hungary – NKFIH
- Ireland – SFI
- Israel – MATIMOP
- Italy – MIUR, CNR

- Latvia – VIAA
- Netherlands – NWO
- Norway – RCN
- Poland – NCN, NCBR
- Portugal – FCT
- Romania – UEFISCDI
- Slovakia – SAS
- Slovenia – MIZS
- Spain – MINECO-AEI
- Sweden – VR
- Switzerland – SNSF
- Turkey – TUBITAK
- United Kingdom – EPSRC, InnovateUK
NCN is a government agency, supervised by the Ministry of Science and Higher Education, set up in 2011 to support basic research in Poland.

**Our goals:**

- Financing the best projects in all areas of basic research
- Supporting researchers at all stages of their career
- Inspiring international cooperation
- Budget: €330 M in 2018
QuantERA Call 2017

Topics targeted in the Call 2017:

- Quantum communication
- Quantum simulation
- Quantum computation
- Quantum information sciences
- Quantum metrology sensing and imaging
- Novel ideas and applications in quantum science and technology

CALL 2017 TIMELINE

- **January 2017**
  - Call Announcement

- **March 2017**
  - Pre-proposals Deadline

- **July 2017**
  - Full Proposals Deadline

- **November 2017**
  - Ranking List

- **January 2018**
  - Funded Projects’ Start
Results of the QuantERA Call 2017

submitted: 221 Proposals, 236 M EUR in total

funded: 26 Excellent Projects! 32 M EUR in total
Results of the QuantERA Call 2017

Pre Proposals submission
221 submitted pre-proposals
1087 applicants
Total requested funding:
> EUR 235 M

Full Proposals submission
91 submitted full proposals
490 applicants
Total requested funding:
ca. EUR 107 M

Recommended Projects
26 projects
128 applicants
Total requested funding:
> EUR 32 M
Results of the QuantERA Call 2017

Number of Projects per Research Topic

![Bar chart showing the number of projects per research topic: Q-communication (6), Q-simulation (7), Q-computing (8), Q-information (10), Q-metrology (8).]
Call statistics

https://public.tableau.com/views/ResultsofQuantERACall2017/Dashboard1?:embed=y&:display_count=yes

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Thanks to joint funding provided by the European Union and QuantERA member organisations, the list of projects recommended for funding includes 26 excellent international proposals in the field of quantum technology research. 18 of these projects involve research teams from widening countries.

Size of Project Consortia

8 Consortium of 6 Partners
1 Consortium of 7 Partners
2 Consortia of 3 Partners
8 Consortia of 4 Partners
7 Consortia of 5 Partners

Distribution of Research Topics*

Areas of research

Number of Projects

- Quantum Communication
- Quantum Computing
- Quantum Information
- Quantum Metrology
- Quantum Simulation

* note that one project may address more than one topic

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This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement no. 751471.
QuantERA aims at spreading research excellence across European Research Area by encouraging consortia to include partners from the widening countries participating in the network:

- Bulgaria
- Czech Republic
- Hungary
- Latvia
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Turkey

✓ QuantERA is the only ERA-NET Cofund in H2020 coordinated by an EU13 country!

✓ Widening Countries participate in 70% of QuantERA Funded Projects!
QuantERA Additional Activities

Collaboration between the Academia & Industry

Exploring future funding opportunities
QuantERA Call 2019 (tbc)

Raising awareness on Responsible Research & Innovation

Mapping of development of the public policies in QT field

Cooperation with countries beyond Europe

Communication with industrial stakeholders
Join us!

www.quantera.eu
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**QUANTERA**

ERA-NET Cofund in Quantum Technologies

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