



Deadline	Thu 13 May 2021, 17:00 CET Pre-proposals (IOCB deadline Fri 7 May 2021) Wed 15 Sep 2021, 17:00 CET Full-proposals (IOCB deadline Fri 10 Sep 2021)
Call name	QuantERA II ERA-NET Cofund: Call 2021 for Transnational Research Proposals
www	QuantERA II: https://quantera.eu/calls-for-proposals/call-2021 TA CR: https://www.tacr.cz/quantera-ii-call-2021-nova-mezinarodni-vyzva-v-oblasti-kvantovych-technologii-je-otevrena/
Focused on	<p>The submitted proposals are expected to be aligned with one of the two QuantERA 2021 co-funded call 2021 topics:</p> <p>Quantum Phenomena and Resources (QPR), where the goal is to lay the foundations for the QT of the future. The focus is on basic quantum science and fundamental physics, and the projects should explore novel quantum phenomena, concepts, resources, and/or address major challenges that prevent broad applications of some quantum technologies;</p> <p>Applied Quantum Science (AQS), where the goal is to take known quantum effects and established concepts from quantum science, translate them into technological applications and develop new products. These could be novel devices that are based on known quantum effects and that will serve a novel application in QT, or devices that translate known quantum applications into products and industrial applications.</p> <p>Funded projects in both topics are expected to address one or more of the following areas:</p> <ol style="list-style-type: none"> 1. Quantum communication 2. Quantum simulation 3. Quantum computation 4. Quantum information sciences 5. Quantum metrology sensing and imaging <p>Czech successful applicants (institutions) in research projects under AQS topic (Applied research) – financially supported by TAČR.</p> <p>Czech successful applicants (institutions) in research projects under QPR topic (Basic research) – financially supported by MEYS (see the separate Summary for project proposals under the MEYS call conditions).</p>
PI	<p>Consortia consisting at least 3 different countries (usually 3-6 partners). One partner acts as the Coordinator for the consortium and is the single point of contact towards the QuantERA Call Secretariat.</p> <p>The project consortia must have a minimum of 3 eligible partners requesting funding in at least 3 of the following countries: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Malta, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey.</p> <p>Partners from other countries can also be members of the consortium, but they must secure own funding.</p>
Eligible organisation	Academia (universities, higher education institutions, research institutes), Enterprises (all sizes). National/regional restriction may apply.
Target group	Multinational research groups collaboration - senior researchers, junior researchers, postdocs
Expected outputs	At least one of the following types of results: (F) Utility model, industrial model; (G) Prototype, functional sample; (N) Certified methodology, treatment procedure, heritage procedure, specialized map with scientific content; (P) Patent; (O) others (e.g. patent application); (R) Software; (Z) Trial operation, verified technology, variety, breed technology.
Call opens	12 Mar 2021
IOCB deadline	Fri 7 May 2021 Pre-proposals Fri 10 Sep 2021 Full-proposals
Final deadline	<p>Thu 13 May 2021, 17:00 CET Pre-proposals Wed 15 Sep 2021, 17:00 CET Full-proposals</p> <p>For both stages of application:</p> <p>One joint proposal per consortium- submission via Electronic Submission System (ESS)</p> <p>Consortium coordinator should fill in information (financial and administrative) about partners.</p> <p>Czech participant: submission of national parts of the proposal to the TA CR via the data box (datová schránka) ID: afth9xp</p>

Evaluation results	July 2021 - Notification of accepted pre-proposals December 2021 - Notification of accepted full-proposals
Signature of agreement	Subject to national legal procedures Dec 2021 – Feb 2022
Earliest date of implementation	Beginning of 2022
Latest date of implementation	Subject to national procedures
Sustainability	For the type or results „O“ – others: they must meet the condition of applicability in practice and subsequently their application in practice will be monitored within the implementation plans.
Reporting	National rules (for Czech participants – TA CR, annual reports 30 January)
Project duration (min-max)	24-36 months: Regular collaborative projects National/regional restriction may apply
Allocation for the call	TACR budget 1 M EUR;
Project budget (min-max)	up to 300 000 EUR (recommended for Czech participant)
Success rate	n.a.
Eligible costs	Czech participant: §2 of the Act. No 130/2002 Coll. <ul style="list-style-type: none"> • personnel • other direct costs (consumables, travel, depreciation costs, IPR) • subcontracting (max. 20% of total budget) • indirect costs (overheads) flat rate of 25 % or full cost Rules for TA CR national programme EPSILON apply. Investment costs are not eligible
Reimbursement	Max. 85 % of total eligible costs is provided by TA CR for the Czech application. In case of participation of a Czech SME or a company, research organizations can apply for up to 100% of financial support.
Mode of funding	ex-ante
Language of application	English/Czech for TA CR documents
Provider	Consortium of 35 national/regional providers from 28 countries (for Czech participants – Technology Agency of the Czech Republic (TA CR), www.tacr.cz and Ministry of Education Youth and Sports (MEYS), www.msmt.cz TACR contact: Eliška Šibrová, eliska.sibrova@tacr.cz , + 420 778 464 012 QuantERA Co-fund Coordinator: National Science Centre (NCN), Poland, Coordination Office, e-mail: QuantERA@ncn.gov.pl ; Programme Coordinator: Sylwia Kostka, sylwia.kostka@ncn.gov.pl ; Scientific Coordinator: Prof. Konrad Banaszek, konrad.banaszek@ncn.gov.pl Call Information: Agence Nationale de la Recherche (ANR) France, Project Officer: Dr. Sergueï Fedortchenko, serguei.fedortchenko@anr.fr +33 (0)1 7809 8037 QuantERA FAQ
Call identifier	QuantERA Co-funded Call 2021
Conditions / Restrictions	Consortium as a whole is eligible with respect to QuantERA's transnational rules (see QuantERA II 2021_Guidelines) Each partner must fulfil the conditions of the national/regional funding organization , as described in the Annex 1 of QuantERA II 2021_Guidelines. It is the responsibility of the partners to ensure their eligibility. <ul style="list-style-type: none"> • Consortium must include research groups and/or companies from at least three countries participating in the QuantERA 2021 Co-funded call 2021. • All partners are obliged to sign an agreement with their foreign partners (i.e. Consortium Agreement), which will define the modalities of cooperation on the project and the IPR, before signing the Agreement with the national funding organizations (CZ: TA ČR). • If there are more Czech applicants in the consortium, the Partnership agreement has to be signed before signing the Agreement with the national funding organizations (CZ: TA ČR). • The Czech participation in project under TACR must be set for TRL ranged 3-9 (in the end of the project) more • One principal investigator will represent each project partner. • One partner acts as the Coordinator for the consortium and is the single point of contact towards the QuantERA Call Secretariat. • A principal investigator may not coordinate more than one proposal. • At most 60% of the total requested funding may be requested by partners from one country.

	<ul style="list-style-type: none"> At most 40% of the total requested funding may be requested by a single partner Partners from several countries will submit application jointly, but individual partners will be funded by the individual QuantERA funding organization respective of the country/region from which applicants have applied.
Proposal consists of	<p><u>1a) Joint pre-proposal application form (max. 12 pages):</u></p> <ul style="list-style-type: none"> Data of each participating organization (partner) Summary of the project (max. 1/2 page) Relevance to the topic (max. 1/4 page) Detailed project information: Excellence (max. 6 pages), Impact (max. 1 page), Implementation (max. 2 pages) – incl. Financial plan Ethical issues (max. 1/2 page) References (max. 30 ref.) Financial Form - Financial plan of each partner, including items description <p><u>1b) Czech applicant - national application for the TA CR:</u></p> <ul style="list-style-type: none"> TACR application form A Sworn statement of the applicant Confirmation of the Certification authority for results NmetS (if applicable) Patent research for results type P (patent) (if applicable) <p><u>2a) Joint full-proposal application form (max. 35 pages):</u></p> <ul style="list-style-type: none"> Similar structure as the pre-proposal Detail project information – more details Brief CV of each partner, list up to 5 relevant publications, and/or products, services (incl. widely-used datasets or software), or other achievements relevant to the call content.
Evaluation criteria	<p>1) Excellence; weight 25% in AQS 2) Impact; weight 50% in AQS 3) Quality and efficiency of the implementation; weight 25% in AQS. Maximum score 15 points; scope 0-5 for each criterion. The QuantERA II evaluation process will consider gender balance in the evaluation panels as much as possible and will provide gender-sensitive peer review guidelines for evaluators.</p>
Research areas	<p>Research areas under the topic: Applied Quantum Science - to take known quantum effects and established concepts from quantum science; translate them into technological applications; new products development (i.e. novel devices that are based on known quantum effects and that will serve a novel application in QT; devices that translate known quantum applications into products and industrial applications)</p>
Call workshop	<p>Presentation from the TACR and MEYS webinar An online webinar organized by NCN QuantERA Partner Search Tool is provided at link TACR Partnering Tool</p>
IOCB contact	<p>Please inform the IOCB Project Office about your intention to apply. Do not hesitate anytime to contact us for consulting, discussion or help. Jitka Šilerová, jitka.silerova@uochb.cas.cz, +420 220 183 229organi Veronika Palečková, veronika.paleckova@uochb.cas.cz, +420 220 183 266</p>
Download documents	<p>QuantERA II 2021_Summary_TACR QuantERA II 2021_Guidelines QuantERA II Call 2021_TACR_All about call (in Czech) QuantERA II 2021_Pre-proposal Form QuantERA II 2021_Financial Form QuantERA II 2021_TACR conditions (in Czech) QuantERA II 2021_TACR Application form</p>