EUREKA Call for Proposals for Joint R&D Projects on Artificial Intelligence / Quantum Technology

between

Austria, Belgium, Canada, Denmark, Israel, South Korea, Spain, Switzerland, Turkey & UK

Time Schedule

Preannouncement	15. March 2019
Opening of the Call	1. April 2019
Consortia building and Matchmaking	16. May 2019 – 9:00-11:45
EUREKA Global Innovation Days, Manchester.	14-16. May 2019
Deadline for applications	1. July 2019 (CET: 17:00)
Communication of evaluation results	November 2019
Signature of the Consortia Agreements & Project Start	Q1 2020

Introduction

EUREKA (<u>www.eurekanetwork.org</u>) is an intergovernmental organisation for marketdriven industrial R&D. It is a decentralised network facilitating the coordination of national funding on R&D&I, aiming to boost the productivity & competitiveness of European industries. Following a bottom-up approach with projects being of any technological area with a civilian purpose, *EUREKA* has been the driving force of innovation in Europe for over 30 years.

1. Participating Funding Agencies and Countries

Within the EUREKA initiative, the call is based on mutual consent between the participating funding bodies 1. FFG (Austria), 2. VLAIO, Innoviris & SPW-EER (Belgium) 3. NRC IRAP (Canada), 4. IFD (Denmark), 5. ISERD (Israel), 6. CDTI ¹(Spain), 7. Innosuisse (Switzerland), 8. KIAT (South Korea) 9. Tübitak (Turkey), 10. Innovate UK (UK).

2. Scope

Participants are invited to submit applied research and innovation project proposals in the following thematic domains:

- Artificial Intelligence
- Quantum Technology/Quantum sensing

3. Eligibility criteria

In order to apply to the present call, the partners must meet the following qualifications:

- The consortium should include at least two (for profit) independent companies from two of the participating countries. The participation of research institutes/universities is welcome according to each country's funding regulations.
- The project partners must express their willingness to cooperate, on a winwin/fair basis in the development of a new product, industrial process or service.
- The product, process or service must be innovative and there must be a technological risk involved.
- The project must have a civilian purpose.
- The project should benefit all involved partners in a well-balanced consortium.
- The project should have an obvious advantage and added value resulting from the technologic cooperation between the participants (e.g. increased knowledge base, commercial leads, access to R&D infrastructure etc.).

¹ Centre for the Development of Industrial Technology, EPE

- A signed consortium agreement is mandatory **before the actual start** of the project. The consortium agreement should at least include the ownership and use of know-how and IPR settlements
- The duration of the project may not exceed 36 months.

Any partner whose collaborative industrial research and innovation project is consistent with the aforementioned criteria can apply to the present call in accordance with their own laws, rules, regulations and procedures in effect, on a non-exchange of funds basis, and subject to budgetary availability.

Each participating funding body may apply additional eligibility criteria based on their national regulations. Applicants are strongly advised, prior to submitting the application, to contact their funding body (see below) to discuss their project idea and check the eligibility of the project.

Partners from other EUREKA countries or countries outside of EUREKA can also participate, but funding must be secured within the deadlines for the call.

4. Submission and approval procedures

In order to apply for this call the following documents are mandatory:

1. EUREKA Project Form

The project consortium should fill out the project description in the 'EUREKA Project Form' (an electronic form available in <u>this link</u>. The form must be completed in English. You can find further instructions <u>here</u>.

For this call specific instruction for filling out the 'EUREKA Project Form' is available (see Section 8 of the call text). The project consortium is strongly advised to follow this instruction and describe all necessary elements in the form as requested. You can contact your EUREKA national office to get support preparing the document (see below for detailed information per funding agency in section 7)

2. Annex 1 – Additional Project Infomation

Additionally, the project consortium has to fill out and submit Annex 1 with additional project information not included in the official EUREKA Project Form.

- 3. Annex 2 Project Budget per Partner
 - The template for the budget must be used.

4. Annex 3 - GANTT diagram

There is no formal format for the GANTT diagram, but the individual WP, milestones and partners must be clearly visible in the GANTT format used.

The completed EUREKA application form, Annex 1, budget, GANTT diagramme and document with signatures should be sent to <u>ai.quantum.call@eurekanetwork.org</u> with subject: AI&QT multi-lateral call 2019 **before 1. July 2019, 17:00 (CET)** at the latest. The email subject line should read: "AI&QT multi-lateral call 2019.

In parallel to the submission of the EUREKA project form (both PDF editable version and a scanned signed version), all project partners are required to submit national funding application, if required, to their respective funding bodies, taking into account all relevant national procedures and submission rules. Deadline for submission might differ between the participating funding bodies (see below for detailed information per funding agency in section 7).

5 Evaluation

Applications will be evaluated nationally based on the EUREKA application including the annexes and national application forms if required. The national evaluations will subsequently be coordinated by the relevant national funding agencies.

The basis for the national evaluation is the general EUREKA eligibility criteria, national eligibility criteria and evaluations, the EUREKA application form with annexes and if required a national application form.

The relevant national funding agencies will coordinate their evaluations based on the EUREKA project assessment methodology (see annex 4). After a common list of funded and non-funded projects has been agreed the EUREKA Association will inform the applicants about the results.

6 Funding Conditions and National Funding Budgets

Funding will only be provided to labelled projects that are positively evaluated by all participating funding bodies, taking the common ranking list into account. Funding of project partners is subjected to budgetary availability and national funding conditions stipulated by each funding body.

Any IPR arising from cooperative project activities under this call shall be regulated in a Consortium Agreement (CA) in accordance with the relevant laws of the countries participating in the project.

A signed CA on the execution and commercialisation of the projects results is mandatory for selected projects and must be send to the relevant national funding agencies no later than 3 months after the results of the evaluation has been communicated. The project start can in any case not be prior to the approval of the signed CA.

The funding bodies named below will provide access to public investment for the selected projects. The support will be given to each partner by its respective funding body in accordance with their national laws, rules, regulations and procedures in

effect, on a non-exchange of funds or soft loan basis, and subject to budgetary availability for each funding body.

Name of NFB	Country	Type of finance	Allocated budget	Max funding per project
FFG	Austria	Soft Loan	€1 mio. (flexible)	Flexible
VLAIO	Belgium - Flanders	Grant	Unlimited	Flexible
INNOVIRIS	Belgium- Brussels	Grant	€1 mio.(flexible)	Flexible
SPW	Belgium- Wallonia	Grant	€1 mio.(flexible)	Flexible
NRC - IRAP	Canada	Grant	Unlimited	Flexible
IFD	Denmark	Grant	€1 mio. (flexible)	€ 400.000
ISERD	Israel	Grant	€1 mio.(flexible)	Flexible
CDTI	Spain	Soft Loan	Unlimited	Flexible
Innosuisse	Switzerland	Grant	Unlimited	CHF 1 Mio. (app. €880.000)
КІАТ	South Korea	Grant	€1 mio. (flexible)	500 Mil Korean Won / year (app €390.000)
Tûbitak	Turkey	Grant	Unlimited	Flexible
Innovate UK	ик	Grant	€1 mio. (flexible)	€400.000
Total Call budget			Minimum €12-15 mio.	

NB: The budgets in the table is indicative. You must consult you national Funding Agency for further details.

7.1 FFG – Austria	
Specific National/ Regional rules	Only companies are eligible to apply for funding, universities and research organisations can be subcontractors of an Austrian company in the consortium. Each Austrian company should submit national application separately
	and simultaneously with the EUREKA application (until 1 July 2019). National funding programme for this call is Basisprogramm. In the national application all work of the applicant (only) should be explained in detail.
Eligible costs and funding rates	Eligible are direct costs related to research project: personnel, overhead, materials, etc. All details you can find at the website <u>https://www.ffg.at/recht-finanzen/kostenleitfaden</u>
Additional documents required	Complete Basisprogramm application <u>https://www.ffg.at/programme/basisprogramm-das-programm</u>
Contact persons	Irina Slosar (EUREKA) E-Mail: irina.slosar@ffg.at Phone: +43 5 7755 4901 Sabine Bauer (Basisprogramm) E-Mail: <u>sabine.bauer@ffg.at</u> Phone: +43 5 7755 1501

7 Funding conditions and rules per NFB

7.2a VLAIO – Belg	ium Flanders
Specific National/ Regional rules	In the VLAIO program only companies can apply for funding via subsidies. Flemish or foreign academic partners or research institutes can be funded by VLAIO if their expertise is crucial for the Flemish partner (company) and if they are subcontracted by this company
Eligible costs and funding rates	In Belgium-Flanders the funding % for companies depends on the type of activities in the project, the size of the company and the participation of at least one SME : between 25% to maximum 60 %
Additional documents required Contact persons	In addition to the centrally submitted EUREKA Project Application Form, partners from Flanders need to submit an application to VLAIO by the 01.07/2019 at 17:00, including a project plan and budget. We invite Flemish partners need to contact us for a pre-check of their project ideas. More info: <u>https://www.vlaio.be/nl/subsidies-financiering/subsidies- voor-ooi-een-internationaal-consortium/netwerken</u> Flanders Entrepreneurship & Innovation (VLAIO) Geert Thorrez EUREKA NPC Belgium Flanders E-Mail: <u>Geert.thorrez@vlaio.be</u>
7.2b SPW-EER – B	Phone: +32 2 432 42 97 elgium Wallonia
Specific National/ Regional rules	A Walloon application form must be submitted (see below); Minimum 40% of the Walloon budget must be allocated to an enterprise; The project cannot receive double funding; The beneficiary must have a stable financial situation; The beneficiary must have Operational offices in the Walloon Region; The project must add benefit to the regional economy.
Eligible costs and funding rates	Funding rates are depending of the type of research (Industrial research or Experimental development) and of the type of partnership. Funding rates vary between 35% to 60% for large companies and from 50% to 80% form SMEs. Universities and Colleges funding rate is 100% and 75% for research centers.

Additional	In addition to the centrally submitted EUREKA Project Application Form,
documents	partners from Wallonia need to submit an application to SPW-EER by the
required	01.07.2019 at 17:00. We strongly advice Walloon partners to contact us
	for a pre-check of their project ideas. More info can be found in the
	Walloon EUREKA webpage.
Contact persons	SPW Economie, Emploi, Recherche (SPW-EER)
	Nicolas Delsaux EUREKA NPC Belgium Wallonia
	E-Mail: <u>Nicolas.delsaux@spw.wallonie.be</u>
	Phone: +32 473 55 61 74
7.2c Innoviris – Be	elgium Brussels
Specific	In order to be eligible for Innoviris support you must develop all or part
National/	of your activities in the Brussels-Capital Region and present an innovative
Regional rules	R&D project that is likely to have a favourable impact on the economy,
negionarraies	employment or sustainable development in the Brussels-Capital Region.
	Brussels research centres must collaborate with at least one Brussels
	industrial partner and no partner may bear more than 70% of the cost of
	the project.
Eligible costs and	Funding rates in Brussels depend on project type (Industrial research vs
funding rates	Experimental development), company size (SME and large) and
	collaboration.
	Funding rates yery between 25% to 80% for companies. Universities and
	Funding rates vary between 25% to 80% for companies. Universities and
	research institutes are 100% funded.
Additional	In addition to the centrally submitted EUREKA Project Application Form,
documents	partners from Brussels need to submit an application to Innoviris by the
required	01.07.2019 at 17:00. We advise Brussels partners to contact us for a pre-
	check of their project ideas. More info can be found on the Innoviris
	website
Contact persons	Innoviris
• • • • •	Stijn Maas EUREKA NPC Belgium Brussels
	E-Mail: smaas@innoviris.brussels
	Phone: +32 2 600 50 67

7.3 NRC IRAP – Ca	nada
Specific	In order to be considered for possible NRC IRAP funding, the basic
National/	eligibility criteria are:
Regional rules	 be a small and medium-sized enterprise in Canada, incorporated and profit-oriented;
	 have 500 or fewer full-time equivalent employees; and
	 have the objective to grow and generate profits through development
	and commercialization of innovative, technology-driven new or
	improved products, services, or processes in Canada.
	See <u>https://www.nrc-</u>
	cnrc.gc.ca/eng/irap/services/financial_assistance.html .
Eligible costs and	Up to 50% of Total Project Cost, which is calculated as Salaries (for
funding rates	eligible personnel) + Overhead (55% of Salaries) + Contractor Costs, for
	eligible project activities. Funding details are to be discussed with one
	of NRC IRAP Industrial Technology Advisors located across Canada.
Additional	National application to be submitted once the project has been selected
documents	by the Call. Complementary information may be required such as
required	annual and interim financial statements.
Contact persons	Eric Holdrinet, EUREKA Deputy National Projects Coordinator
contact persons	E-Mail: <u>Eric.holdrinet@cnrc-nrc.gc.ca</u> ;
	Phone: 1.514.882.9384
	FIIUIIC. 1.J14.002.7304

7.4 IFD – Denma	ark							
Specific National rules	value in	IFD can invest in projects with a clear societal value and/or economic value in Denmark. IFD invest in applied research and experimental development.						
Eligible costs and funding rates	The Danish part of the consortium must include a commercial partner, but universities, research institutes and other types of partners can also be financed by IFD if Danish commercial partners participate. For eligibility and general terms and conditions, please refer to "The General Terms and Conditions for International Projects". IFD can invest in projects at TRL 3-9. The general maximum investment rates for Danish partners are summarized in the table below. IFD has special funding rules for de minimis funding.Applicant typologyInvestment rates for Innovation Fund Denmark Actual costsActual costsActual costs X							
	Activity typology Industrial Research Experimental Development	Grant Grant	SME's 75% 33%	00 DKK per hour Large Enterprises 65% 25%	GTS 60% 60%	Universities & University Colleges 90% + 44% overhead 90% + 44% overhead	Public Hospitals 90% + 3,1% overhead 90% + 3,1% overhead	Other public organisations 90% - no overhead 90% - no overhead
Additional documents required Contact persons	EUREKA registrat EUREKA E-Mail: J	applicatio	on using l grant is 2 tor Jens l	FDs natic weeks af	onal e-gra fter the C rup	ally registo int portal. all deadlin	The dead	
	E-Mail: <mark>B</mark>	c Officer E Boerge.lin -45 6190 S	dberg@i	-	<u>dk</u>			

7.4 ISERD – ISRAEL	
Specific National/ Regional rules	 Israel will offers 3 funding schemes for the call #1 - Industrial companies (SME's, Large Enterprises etc.). In this scheme Universities, Research Institutes can participate as subcontractors, according to OCS guidelines or through non-OCS funding source. #2 - Academic institutions may submit a collaboration project with another academic partner #3 - Collaboration between Industry and Academia from Israel with a consortia of academia and industry from the partnering countries
Eligible costs and funding rates	 #1 - Up to 60% of approved budget for Israeli Industrial partners. #2 - Up to 66% of approved budget for Israeli Industrial partners #3 - Up to 85% of approved budget for Israeli academia, up until 440,000NIS per year
Additional documents required	 National Funding Application: #1 - <u>https://my.innovationisrael.org.il/</u> #2 + #3 <u>https://innovationisrael.org.il/en/program/promoting-applied-research-academia</u>
Contact persons	ISERD Uzi Bar-Sadeh E-mail: <u>Uzi@iserd.org.il</u> Phone: +972 3 511 81 85

7.6 CDTI - Spain	
Specific	CDTI will finance industrial research and/or technological development
National/	activities of Spanish companies. Universities and research centers
Regional rules	could take part as subcontractors.
Eligible costs and	Funding conditions for Spanish partners may vary depending on the
funding rates	nature of the project and the beneficiaries. The features of the main
	funding tool for EUREKA projects in Spain is available here:
	https://www.cdti.es/index.asp?MP=100&MS=802&MN=2
A	Fach common would consult to and other it the funding condication to
Additional	Each company must complete and submit the funding application to
documents	CDTI within 20 days after receiving the communication of eligibility.
required	Funding decision is expected within 3 months after submitting an
	eligible funding application.
	It is mandatory that project activities do not start before submitting
	the funding applications to CDTI. For further information, please
	contact CDTI.
Contact persons	EUREKA Coordinator: Óscar Fernández Moyano
	E-mail: oscar.fernandez@cdti.es
	Tel: +34 91 581 5607

7.7 Innosuisse – S	witzerland
Specific	Only consortia consisting of at least 1 Swiss company and 1 Swiss
National/	University or Research Organisation, sharing the project costs 50:50
Regional rules	can apply for funding. Academic partners are funded 100%. Companies
	self-fund their participation and pay 10% of the funding contribution
	to the Swiss Research Organisation. In return they are entitled to non-
	exclusively exploit the project results in their business domain.
Eligible costs and	Salaries, consumables, international travel, equipment depreciation.
funding rates	Swiss universities are funded 100%.
	Swiss companies self-fund their participation.
	A self-funded participation of Swiss companies without participation of
	a funded Research Organisation is possible
Additional	National funding application:
documents	https://www.innosuisse.ch/inno/en/home/start-your-innovation-
required	project/innovationsprojekte.html
Contact persons	Colette John,
	E-mail: <u>colette.john@innosuisse.ch</u> ,
	Phone: +41 58 466 77 32

7.7 KIAT – South H	Korea		
Specific National rules	KIAT will finance industrial research and/or technological development activities of Korean companies, universities and research centers. A private enterprise which has been in operation for more than 1 year and which received corporate R&D center accreditation by the Korean government should be included in the Korean consortium.		
Eligible costs and funding rates	Project cost is comprised of government contributions and civilian dues (cash and in-kind). The amount of government contributions will vary depending on the type of executing organizations and project in accordance with Article 24 (Funding criteria) and Article 25 (Civilian dues) of the Common Operational Regulations for the Industrial Technology Innovation Programs in Korea. (see: <u>www.k-pass.kr</u>) A party that participates in a project shall carry out its project using the government contributions allocated to it, and for-profit organizations shall individual bear the cash portion of civilian dues.		
	ClassificationShare of government co ntributions in executing organization's project budgetShare of cash in executing organization's civilian dues		
	Large company Mid-tier company SME	33% or less 50% or less 67% or less	60 or more 50 or more 40 or more
	Other	100% or less	To be borne if necessary
Additional documents required	The Korean consortium should submit its national application form until 28 th of June on the k-pass system (online), before the EUREKA application until 1 st of July.		
	See : <u>www.k-pass.kr</u> or <u>www.kiat.or.kr</u> > 2019 년 산업기술국제협력 국제공동기술개발사업 공고 National submission on the k-pass system is mandatory for the project to get public funding.		
Contact persons	Hyewook Joung, E-mail: <u>hyewook118</u> Phone +82-2-6009-3		

7.9 Tübitak – Turk	key
Specific National/ Regional rules	All companies which were established in accordance with Turkish law can apply for funding for their international projects. There is no budget limit for international projects and they can be funded by TUBITAK without any restriction in project duration. Only companies participating in international projects are funded within this program but universities and research centers can be funded as subcontractors. Turkish applicants must complete their national application before 1st of July.
Eligible costs and funding rates	Companies receive certain percentage of their eligible costs as a grant in this call. There is no maximum or minimum limit to the budget of project. The percentage is 60% for large companies and 75% for SMEs.
Additional documents required	For further information about financing of Turkish participants please directly contact with TÜBİTAK. Detailed information can also be reached from <u>here.</u>
Contact persons	Project Officer Umut Ege Phone: +90 312 2981861 <u>eureka@tubitak.gov.tr</u> EUREKA National Project Coordinator (NPC) Tarik Sahin

7.10 Innovate UK – UK	
Specific National/ Regional rules	To be eligible for funding your collaboration must a UK business of any size
	The international partner or partners must be separate, non-linked legal entities from the UK partners.
Eligible costs and funding rates	For UK participants we have allocated up to £1 million to fund innovation projects in this competition.
	For industrial research projects, businesses can receive funding for eligible project costs of:
	 up to 70% if you are a micro or small business
	 up to 60% if you are a medium-sized business
	 up to 50% if you are a large business
	The <u>research organisations</u> in your consortium can share up to 30% of the total eligible project costs. If your consortium contains more than one research organisation, this maximum will be shared between them.
	Any subcontracting costs must not exceed 20% of total project costs.
Additional documents required	Applications submitted to this competition have 2 parts:
	1. The EUREKA project application form.
	The Innovate UK application form, along with the required supporting documentation.
	This competition uses Innovate UK's document-based process for application submission which requires an online registration. If there are several UK partners, you must nominate one organisation to lead the UK application. The nominated lead must register to submit the application and required documentation to Innovate UK.
Contact persons	Dr Jane Watkins UK National Programme Coordinator for EUREKA Jane.Watkins@innovateuk.ukri.org
	Tel: +44(0)7500051146

8 Application form and Annexes

8.1 EUREKA Application Form

Please register on EUREKA homepage and Download application template http://www.eurekanetwork.org/network-projects

8.2 Annex 1 to 3

Annex 1 – Additional Project Information (see word template)

LINK to Word Document

Annex 2 - Project budget for all partners (see Excel template)

LINK to Excel template

Annex 3 - GANTT diagram (Individual format)

The GANTT diagram must be divided into WP, Milestones and a clear indication on which WP's the individual project participants are engaged in.

8.3 Common EUREKA Assessment Criteria:

In addition to the common EUREKA assessment criteria there can be national evaluation criteria and requirements.

1 1.00.000	1 la tha manifest much and social in terms of size according
1. Impact	1. Is the market properly addressed in terms of size, access and
	risk?
	2. Is the value creation in terms of growth, employment,
	environmental and societal benefits properly addressed?
	3. What are the competitive advantages of the project?
	(Strategic importance of the project, enhanced capabilities and
	visibility)
	4. Are the commercialization plans clear and realistic
	(Return on investment, Geographical sectoral impact)
2. Excellence	1. What is the degree of innovation
	(Commitment on State-of-the-art and the technological maturity and risk)
	2. How is the new knowledge going to be used?
	3. Is the project challenging scientifically, technically and for the partners?
	4. Are the technical achievability & risk conveniently addressed
3. Quality &	1. How is the quality of the consortium? (Well-balanced
Efficiency	partnership, technological managerial and financial capacity of each partner)
	2. Is there an added value through the international co-operation?
	3. Are the project management & planning realistic and clearly defined? (Methodology and planning approach, milestones and
	deliverables)
	4. Is the cost structure reasonable?
	(Cost and financial commitment of each participant)
4. Overall Perception	1. Pros and cons of the application
•	2. Is the project recommend for public investment? (Yes or No)