

## Eureka Globalstars Call for proposals

on

### AI as enabling technology for Smart Cities and Healthcare, and Industry 4.0

Participating countries:

Brazil (São Paulo State)

Sweden

Spain

Germany (t.b.c.)

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#### Introduction

Eureka is the world's biggest public network for international cooperation in R&D and innovation, present in over 45 countries. It is a decentralised intergovernmental organisation aiming to boost the productivity and competitiveness of industries by funding and supporting international collaborative market-driven R&D projects. This call for projects has been launched following Eureka's Globalstars framework based on mutual consent between participating national and regional funding bodies.

#### 1. Call description

The national funding bodies (FB) from Sweden and Spain (Germany: t.b.c.), and the regional research funding body from the state of São Paulo, Brazil, have allocated funding for organisations collaborating on international R&D projects in the fields of Smart Cities and Healthcare with AI as enabling technology and in the field of Industry 4.0. Sweden will only support projects that address the call topics AI in Smart cities and AI in Healthcare.

For this call for projects, an organisation can submit its R&D project application between 22 August 2022 and 31 January 2023. Each project consortium must include at least one organisation from São Paulo State in Brazil and one organisation from the participating Eureka countries Sweden or Spain (or Germany, t.b.c.). At least one company must be part of the consortium. Multilateral projects with at least one organisation from the São Paulo State in Brazil are also encouraged.

## 2. Scope

This project call is for R&D projects within the following mandatory fields:

### AI in Smart Cities:

- The city as a platform for data driven innovation
- Digital twins for cities
- AI for city management
- AI for Budget and investment management

Focusing on:

- Water & air quality
- Water and sewage management
- Transport and logistics, mobility of people and goods
- Citizen's involvement – empowerment
- Contribution to resource efficiency and CO2 reduction

### AI in Health:

- Sensors, data from sensors (and analysis) in care, care rehab and prevention
- New technology and new ways of working in care
- Empowerment, increase control over one's own health / prevention - to combine lifelong learning with lifelong use of technology for empowerment / that one can use technology as support in different ways during different phases of life.
- Methods for technology development, user involvement and implementation together with companies (within Digital Health).
- New methods for decision making aimed at boosting efficiency and accuracy for health specialists.

### Industry 4.0:

ICT applications in the industrial context, including innovation in processes and products:

- Decentralized production
- Remote maintenance
- Robotics
- Digitalized control
- Virtualization
- Industry 4.0 technologies for sustainable production

Your project should address at least one of the fields mentioned and demonstrate the potential to research and develop a product, process or service for commercialisation.

### 3. Time Schedule

<b>Preannouncement of the Call</b>	July 2022
<b>Opening of the Call</b>	22 August 2022
<b>Deadline for Eureka and national applications</b>	31 January 2023
<b>Consensus meeting of funding agencies</b>	April 2023
<b>Funding decisions and Eureka label</b>	From May 2023
<b>Project Start</b>	Before October 2023

### 4. Participating Countries and National or Regional Funding Bodies (FBs)

- Brazil (state of São Paulo region): FAPESP – São Paulo Research Foundation
- Sweden: Vinnova – Sweden’s innovation agency
- Spain: Centre for the Development of Industrial Technology – CDTI
- Germany: Federal Ministry of Education and Research – BMBF (t.b.c.)

### 5. Eligibility criteria

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

- Your project idea must represent international cooperation in the form of a specific project.
- The project must be directed at researching or developing an innovative product, process, or service with the goal of commercialisation.
- The project must have a civilian purpose.
- Your consortium must include at least two independent legal entities from a minimum of one Eureka participating country and one from the state of São Paulo in Brazil.
- The project must include at least one Brazilian SME (up to 250 employees) with a branch established in São Paulo State in Brazil or a Brazilian company (of any size) associated, for the purposes of this project, with a research centre or university located in the state of São Paulo.
- No single organisation or country can be responsible for more than 70% of the project budget.
- 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.).
- A signed consortium agreement is mandatory following national requirements. 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.
- Product, service or process implementation or market launch should happen no later than 24 months after project completion.

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 national laws, rules,

regulations and procedures in effect, on a non-exchange of funds basis, and subject to budgetary availability.

Each participating FB may apply additional eligibility criteria based on their national or own regulations. Applicants are strongly advised, prior to submitting the application, to check relevant country sections in this call and to contact their FB to discuss their project idea and to verify their and their project's eligibility.

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

## **6. Call Process/Submission**

There are two stages to the submission and assessment process, using the Eureka Smart Simple online platform.

### **Stage 1: EUREKA application**

All partners must complete the online Eureka project application form, which is available in the call webpage through ([Eureka | Eureka hub \(eurekanetwork.org\)](https://eureka-network.org)). It must be completed and uploaded online by 31 January 2023 at 18.00 Central European Time (CET). The form must be completed in English.

The project consortium is strongly advised to read the form carefully, follow the guidelines and complete all necessary elements in the form as requested. Your organization is advised to contact your Eureka National Project Coordinators to get support in preparing the form (for additional information, see detailed information for each FB in Section "Funding conditions and rules per FB").

Main partner:

- Creates an account on the Eureka application portal,
- completes an application form on behalf of the whole consortium,
- uploads a GANTT chart (pdf format) in the quality and efficiency of the implementation section,
- uploads relevant annexes (if requested by FBs) at the bottom of the overview section on behalf of the partners,
- invites other consortium partners to fill in a partner form,
- reviews the consortium partners' partner forms,
- submits the final application.

Consortium partners:

- All partners (including the main partner) must complete and submit a partner form as well as a signed Co-Signature form. Partner forms and Co-Signature forms submitted by partners must be approved by the main partner.

### **Stage 2: National applications**

If required by their FB, project participants will also submit a related funding application, taking into account all relevant FB procedures and submission rules. Submission deadlines might differ between

the participating FBs, please see section “Funding conditions and rules per FB” for detailed information.

- All applications are assessed against the eligibility criteria of the call before being put forward for the national assessments according to the national evaluation criteria.
- 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.
- Successful projects are put forward for a Eureka label. After a common list of labelled and non-labelled projects has been agreed, applicants will be informed about the results.

## 7. Funding conditions and funding budgets

Funding will only be provided to projects that are positively evaluated by all relevant participating FBs. Funding of project partners is subjected to budgetary availability and funding conditions stipulated by each FB.

Any IPR arising from cooperative project activities under this Globalstars call shall be regulated in a Consortium Agreement (CA) in accordance with the relevant laws of Brazil and the involved Eureka member state(s). A signed CA on the execution of the project and the commercialisation of the project results is mandatory before the actual start of the project. The CA should include the ownership and use of the know-how and IPR agreement. We recommend that you seek legal advice when drafting your CA.

The funding bodies named below will provide access to public funding for the selected projects. The support will be given to each partner by its respective FB 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 FB:

Name of Funding Body (FB)	Country	Type of finance	Allocated budget (EUR)	Max funding per project
FAPESP	Brazil	Grant	1.500.000 €	250.000 €
Vinnova	Sweden	Grant	500.000 €	250.000 €
BMBF	Germany	t.b.c.	t.b.c.	t.b.c.
CDTI	Spain	Mix Loan/Grant	Open	No limit

NB: The budgets in the table are indicative. You must consult your Funding Body (FB) for further details.

## 8. Funding conditions and rules per FB

Brazil – State of São Paulo	
<b>Specific regional rules</b>	<p>FAPESP's regional call is aimed at: 1) SMEs (as defined below); or 2) project partnerships between companies and research institutions.</p> <p>1) SMEs (up to 250 employees) with the branch responsible for conducting the project established in São Paulo State in Brazil, aiming to collaborate with organisations in the participating Eureka countries.</p> <p>2) Companies of any size with operations in Brazil associated with a research centre or university located in São Paulo State in Brazil, aiming to collaborate with organisations in the participating Eureka countries.</p>
<b>Eligible costs and funding rates</b>	<p>Brazilian participants can apply for grants according to FAPESP's general terms and conditions for grants. In this call, FAPESP funding will follow established PIPE (Phase 2) and PITE programs. The following funding levels apply.</p> <p>1) PIPE Program (Phase 2): SMEs (limited to 250 employees). FAPESP funds up to 100% of eligible costs. The maximum funding (grant) per project is limited to PIPE Phase 2 budget (R\$1.000.000,00). Information on terms and conditions for funding and eligible costs: <a href="https://fapesp.br/58/programa-fapesp-pesquisa-inovativa-em-pequenas-empresas-pipe">https://fapesp.br/58/programa-fapesp-pesquisa-inovativa-em-pequenas-empresas-pipe</a></p> <p>2) PITE Program: Companies of any size. FAPESP funds up to 50% of the project's cost. Funding awarded by FAPESP is disbursed solely to higher education and research institutions in São Paulo State. The maximum funding (grant) per project is R\$1.300.000,00. Information on terms and conditions for funding and eligible costs: <a href="https://fapesp.br/en/pite">https://fapesp.br/en/pite</a></p>
<b>Additional documents required</b>	<p>Participants from the state of São Paulo that require funding from FAPESP are recommended to get in touch with the Foundation before submitting the regional application.</p> <p>In addition to the centrally submitted online Eureka project application form, São Paulo State participants of the international project consortium need to apply to the regional call through the FAPESP's SAGe online platform to the regional call that will open on 22nd August 2022: <a href="https://fapesp.br/15629">fapesp.br/15629</a></p> <p>All project participants shall enter into a Consortium Agreement, including the participants from São Paulo. FAPESP asks for a copy of the document to be submitted as soon as it is signed.</p>

<b>Contact persons</b>	Alexandre Roccatto E-mail: <a href="mailto:chamada-eureka@fapesp.br">chamada-eureka@fapesp.br</a>
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<b>Sweden</b>	
<b>Specific National rules</b>	Vinnova's national call is aimed at companies, universities, university hospitals, research institutes or other relevant actors in Sweden that want to collaborate with organisations in Brazil and the participating Eureka countries. Vinnova will only support projects that address the call topics AI in Smart cities and AI in Health. A participant seeking a grant must be a Swedish legal entity. In this respect, a Swedish legal entity is equated to a foreign organization with a branch or establishment in Sweden.
<b>Eligible costs and funding rates</b>	<p>Swedish participants can apply for grants according to Vinnova's general terms and conditions for grants. State aid rules apply to organisations that carry out economic activities<sup>1</sup>. The rules on state aid for research, development and innovation are stated in the European Commission's General Block Exemption Regulation No 651/2014 (GBER). In this call article 25 in GBER applies.</p> <p>In addition, the following funding levels apply: SMEs up to 50% of eligible costs, large companies up to 30% of eligible costs and universities and research institutes up to 100% of eligible costs. The maximum funding (grant) per project is 2.5 MSEK (approximately 250.000 Euro). Information on terms and conditions for funding and eligible costs: <a href="https://www.vinnova.se/en/apply-for-funding/rules-for-our-funding/terms-and-conditions-for-our-funding/">https://www.vinnova.se/en/apply-for-funding/rules-for-our-funding/terms-and-conditions-for-our-funding/</a></p>
<b>Additional documents required</b>	<p>Swedish participants that require funding from Vinnova are recommended to get in touch with one of the Vinnova contact persons before submitting the national application.</p> <p>In addition to the centrally submitted online Eureka project application form, Swedish participants of the international project consortium apply on the Vinnova web page <a href="https://www.vinnova.se/en/">https://www.vinnova.se/en/</a> to the national call that will open on 22 August 2022: <a href="https://portal.vinnova.se/DynFormNet/CreateForm.aspx?BaseType=ansokan&amp;request=3532">https://portal.vinnova.se/DynFormNet/CreateForm.aspx?BaseType=ansokan&amp;request=3532</a></p> <p>Prior to the project start, all Swedish participants, including the assigned Swedish coordinator, must fill in the form "Participant Approval." All project participants shall enter into a Consortium Agreement. The Consortium Agreement shall include the Participants' mutual commitments, conditions concerning rights to foreground and background information and other issues of significance to the cooperation. The participants shall have entered into the Consortium Agreement no later than the date when the first Vinnova status report is</p>

<sup>1</sup> <https://www.vinnova.se/en/apply-for-funding/rules-for-our-funding/state-aid-to-companies/>

	due. Applicants will also need to submit an abstract (or agree wording based on the proposal submission) that will be published by Vinnova.
<b>Contact persons</b>	<p>Peter Lindberg  Phone: +46 (0)8 473 31 93  E-Mail: <a href="mailto:peter.lindberg@vinnova.se">peter.lindberg@vinnova.se</a></p> <p>Johan Rignér  Phone: +46 (0) 8 4733074  E-Mail: <a href="mailto:johan.rigner@vinnova.se">johan.rigner@vinnova.se</a></p>

<b>Germany - t.b.c.</b>	
<b>Specific National rules</b>	(to be added after confirmation of Germany's participation)
<b>Eligible costs and funding rates</b>	(to be added after confirmation of Germany's participation)
<b>Additional documents required</b>	(to be added after confirmation of Germany's participation)
<b>Contact persons</b>	<p>German Eureka Office  +49 – 228 3821-1352  E-Mail: <a href="mailto:eureka@dlr.de">eureka@dlr.de</a></p> <p>Matthias Frattini  Phone: +49 – 228 3821 1434  E-Mail: <a href="mailto:Matthias.frattini@dlr.de">Matthias.frattini@dlr.de</a></p> <p>Claudia Gruner  Phone: +49 – 228 3821 1406  E-Mail: <a href="mailto:claudia.gruner@dlr.de">claudia.gruner@dlr.de</a></p>

<b>Spain</b>	
<b>Specific National rules</b>	<p>CDTI will finance industrial research and/or technological development activities of Spanish companies. Universities and research centers could take part as subcontractors.</p> <p>Funding decision is expected within 4-5 months after submitting an eligible funding application</p> <p>It is mandatory that project activities do not start before submitting the funding applications to CDTI. For further information, please contact CDTI.</p>
<b>Eligible costs and funding rates</b>	<p>Funding conditions for Spanish partners may vary depending on the nature of the project and the beneficiaries. For more information please access:  <a href="http://www.cdti.es/index.asp?MP=100&amp;MS=802&amp;MN=2">http://www.cdti.es/index.asp?MP=100&amp;MS=802&amp;MN=2</a></p>



<p><b>Additional documents required</b></p>	<p>Spanish participants will have to submit a formal R&amp;D international project aid application through CDTI's website (<a href="https://sede.cdti.gob.es/">https://sede.cdti.gob.es/</a>) including the Eureka Application form (in English) and (optionally) the draft consortium agreement by January 31<sup>st</sup>. Additional documents in Spanish language, containing detailed information on the Spanish participants, could be requested depending on the specific type of funding requested by the company.</p> <p>CDTI will check the eligibility of the Spanish applicants after receiving this international application. If it is eligible, funding applications will be generated by CDTI to each Spanish company, and it must be completed and submitted by them. A full memory (in Spanish) must be attached to these applications. Deadline to reply to 1<sup>st</sup> March 2023. If the funding applications are not submitted in time, the international project could be rejected.</p>
<p><b>Contact persons</b></p>	<p>Centre for the Development of Industrial Technology (CDTI)  Javier Romero  Project Officer  Email: <a href="mailto:josejavier.romero@cdti.es">josejavier.romero@cdti.es</a>  Phone: (+34) 91 581 56 07 /04 89</p>

## **9. Evaluation - Common Eureka Assessment Criteria**

Your project application will be reviewed according to our Network projects evaluation methodology.

### **1. Impact**

- Is the market properly addressed (i.e., size, access and risks)?
- Is the value creation properly addressed (i.e., employment opportunities and environmental and societal benefits)?
- What are the competitive advantages of your project (i.e., strategic importance, enhanced capabilities and visibility)?
- Are your commercialisation plans clear and realistic (i.e., return on investment, geographical and sectoral impact)?

### **2. Excellence**

- What is the degree of innovation? (i.e., is the proposed product, process or service state-of-the-art? Is there sufficient technological maturity and risk)?
- How is the new knowledge going to be used?
- Is your project scientifically and technically challenging for consortium partners?
- Is the technical achievability and risk properly addressed?

### **3. Quality and efficiency of implementation**

- What is the quality of your consortium (i.e., balance of the partnership and technological, managerial and financial capabilities of each partner)?
- Is there added value through international cooperation?
- Is your project management and planning realistic and clearly defined (i.e., methodology, planning approach, milestones and deliverables)?
- Is your cost structure reasonable (i.e., costs and financial commitment for each consortium partner)?

### **4. Overall perception**

Experts will list the positive and negative points to your application and finally state whether they recommend your project for public investment.

Your national funding body may carry out a further evaluation (performed by the national project coordinator and technical experts) according to national rules before allocating funds to successful applicants.

### **Monitoring and impact**

Applicants will be requested to provide information during the lifetime of the project at international level to make sure the project has been developed as expected. Additionally, they will have to provide information regarding the impact of the project once it has been finished.