



**chist-era**

## Call 2017 for Research Proposals

Supporting the topics of

**Object recognition and manipulation by robots: Data sharing and experiment reproducibility (ORMR)**

and

**Big data and process modelling for smart industry (BDSI)**

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**Deadline: 11 January 2018, 17:00 CET**

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Documents and procedures: <http://www.chistera.eu>

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Indicative budget: 14.3 M€

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Funding Organisations supporting this CHIST-ERA Call's research projects:



CHIST-ERA supports European coordinated research on long-term ICT and ICT-based scientific challenges.



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 768997.*

## Key Facts & Figures

### CHIST-ERA

CHIST-ERA is a consortium of funding organisations with programmes supporting Information and Communication Sciences and Technologies (ICST). The CHIST-ERA consortium is itself supported by the European Union's Future & Emerging Technologies scheme (FET).

CHIST-ERA promotes multidisciplinary and transnational ICST research with the potential to lead to significant breakthroughs. The funding organisations jointly support research projects selected in the framework of CHIST-ERA, in order to reinforce European capabilities in selected topics.

### Content of the Call

Topic 1	Topic 2
<b>Object recognition and manipulation by robots: Data sharing and experiment reproducibility</b> <b>ORMR</b>	<b>Big data and process modelling for smart industry</b> <b>BDSI</b>

**Indicative budget:**

**14.3 M€**

Proposals must be submitted by international consortia with research partners in at least 3 of the following countries:

**Austria (only topic ORMR), Belgium (Wallonia-Brussels), Bulgaria, Canada (Québec), Czech Republic, Estonia, Finland, France, Greece (only topic BDSI), Ireland, Italy, Lithuania, Poland, Romania, Spain, Slovakia, Switzerland, Turkey, United Kingdom (only topic ORMR)**

**Proposals are evaluated jointly based on criteria of relevance to the topic, scientific excellence, implementation, and impact.**

**Each consortium partner is funded separately by a funding organisation.**

Each partner must fulfil the conditions of the funding organisation they are applying to, as described in the annex. Industrial partners are eligible to be funded by some funding organisations.

### Tentative Timeline

<b>11 January 2018, 17:00 CET</b>	<b>Deadline for pre-proposal submission</b>
Mid-March 2018	Notification of accepted pre-proposals
<b>Mid-May 2018</b>	<b>Deadline for full proposal submission</b>
October 2018	Notification of accepted proposals
1 December 2018	First possible start date for accepted projects

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## Research Targeted in the Call

Each year, CHIST-ERA launches a call for research proposals in two new topics of emergent scientific importance. This year's call concerns the following topics:

1. **Object recognition and manipulation by robots: Data sharing and experiment reproducibility (ORMR);**
2. **Big data and process modelling for smart industry (BDSI).**

In previous years, CHIST-ERA calls have targeted quantum computing, consciousness, knowledge extraction, low-power computing, intelligent user interfaces, smart communication networks, adaptive machines, distributed computing, trustworthy cyber-physical systems, human language understanding, security and privacy in the internet of things, terahertz communication, lifelong learning for intelligent systems and visual analytics.

The [CHIST-ERA](#) consortium has created a common funding instrument to support international research groups that engage in long-term research in the area of ICT and ICT-based sciences. Through this instrument, funding organisations support and join the European Union's "[Future and Emerging Technologies \(FET\)](#)" agenda. By coordinating their efforts, they can support more diverse research communities, who are able to tackle the most challenging and novel research topics.

### Community-defined topics

A workshop was held in Cracow on 21-23 June 2017 to identify important research challenges within the two selected topics. The workshop brought together ICST researchers from across a range of research communities and countries. The delegates identified a number of research challenges, which have formed the scope of this call. Presentations given at the workshop are available on the CHIST-ERA website (<http://conference2017.chistera.eu/>). Attendance at the workshop is not a prerequisite for submitting an application to this call. The evaluation criterion "Relevance to the Topic" is assessed only based on the topic descriptions below. The workshop presentations can nevertheless provide background information for preparing a proposal.

### Nature of research

Submitted proposals should be of a FET-like nature and contribute to the development of an international and multidisciplinary research. The transformative research done in CHIST-ERA should explore new topics with potential for significant scientific and technical impacts in the long term.

The two topics of this year's call are described below.

## **1<sup>st</sup> Topic: Object recognition and manipulation by robots: Data sharing and experiment reproducibility (ORMR)**

The ability to recognise and manipulate objects is central to robotics. For example, it might be useful for a robot to recognise a certain object requested by a user, and to determine if and how the object can be safely grasped in order to fetch it. However, despite decades of research, such abilities remain limited in practice. Some of the limiting factors are a paucity of usable, large data sets for training robust models for the tasks under study, a lack of objective evaluation protocols to test these models in a comparable way, and more generally the challenge of reproducing results.

The purpose of this call is to progress the field of robotic perception and manipulation, building solid scientific foundations of experimental reproducibility through transparent sharing of data and methods. This call challenges researchers to propose collaborative projects, which will simultaneously address the three pillars of recognition, manipulation and reproducibility within this domain.

### **Target Outcomes**

Projects should aim to enable the development of robots, which are able to accurately recognise and appropriately manipulate objects in various environments. Projects should lead to quantitative results which can be reproduced by others. Project teams should in particular make publicly available all the data, protocol description and software metrics needed to reproduce experiments. Appropriate efforts and means for doing so should be foreseen. Projects should address real-world challenges, and record and annotate robotic perceptions in order to experiment with different approaches for these challenges. Enough data from various environments and contexts should be used to show the robustness of the experimented approaches.

Key challenges are expected to be:

- Perceiving or predicting physical properties (shape, orientation, mass, fragility, etc.) of objects or environments;
- Handling of unknown objects and environments;
- Developing systems which are capable of operating in ambiguous contexts;
- Managing the perception-action loop;
- Interaction and cooperation with humans or other robots;
- Designing safe, secure, robust and ethically-sound systems;
- Independent and objective evaluation;
- Criteria and measures for reproducibility.

### **Approaches to Maximise Expected Impacts**

Projects are strongly encouraged to address the following objectives in order to enhance impact:

- Grant access to the training data, evaluation data and metrics set up by the projects where possible, in order to help build momentum beyond the project consortia;
- Support the development of objective benchmarks and evaluation strategies for research in this domain;
- Cross traditional boundaries between disciplines in order to strengthen the community involved in tackling these new challenges. A broad range of disciplines needed to cover the breadth of this topic should be considered and could include expertise and skills in computer vision, embodied cognition, performance evaluation and robot ethics, among others.
- Training and dissemination with a view to strengthening European research, knowledge and expertise in the topic areas;
- Expand understanding and engage with stakeholders on the issues of long-term security, ethical and legal issues associated with the adoption of intelligent and autonomous systems.

## **2<sup>nd</sup> Topic: Big data and process modelling for smart industry (BDSI)**

Industry is becoming increasingly digitized. Production and operational processes generate growing amounts of heterogeneous data, from simple sensor data to complex 3D video streams. This opens the way for new intelligent, flexible, network-centric production and operational approaches where parts, products and machines are interconnected across equipment, companies and value chains. The goal of these approaches is to enable production and operation at higher yield, higher quality, lower costs, lower environmental footprint and increased flexibility. This evolution is often referred to as the fourth industrial revolution, and it is relevant to most industrial sectors.

The aim of this call is to progress basic research on new information technologies for smart industries. Intelligent context-aware automation systems which are fit for purpose need to be developed. Such systems should be generic enough to be reusable in various settings. Success in this area will strengthen European competitiveness both in science and in industry. This topic is a prime opportunity for science and innovation to benefit by working closely together.

### **Target Outcomes**

Projects should combine big data and process modelling for optimal and accurate operation. The developed models should be reusable across various contexts and application domains. Their performance should be measurable in an objective way.

Key challenges and opportunities are expected to be:

- Large-scale, complex systems in dynamic environments;
- Designing conceptual models for autonomous or semi-autonomous decision support;
- Intelligent fusion of multiple data streams;
- Integration of heterogeneous, structured and unstructured data;
- Combining a priori knowledge and models with empirically derived data;
- Undertaking research in collaboration with industrial partners who can provide representative data;
- Managing to combine the requirements for privacy, security and intellectual property with the need to develop models openly;
- Taking advantage of collaboration to collect data from multiple international environments (physical, cultural and regulatory);
- Implement independent evaluation of systems, data and outputs.

### **Approaches to Maximise Expected Impacts**

Projects are strongly encouraged to address the following objectives in order to enhance impact:

- Where possible, aim to ensure that data used by the project can be made usable beyond the project, in order to help build momentum beyond the project consortia;
- Take advantage of international collaboration to make impact on multiple countries and markets;
- Training and dissemination with a view to strengthening European research, knowledge and expertise in the topic areas;
- Support the development of objective benchmarks and evaluation strategies for research in this domain;
- Expand understanding and engage with stakeholders on the issues of long-term security, ethical and legal issues associated with the adoption of intelligent and autonomous systems.

## Eligibility

CHIST-ERA is a hybrid funding instrument. Proposals are submitted by international consortia with partners (research groups) from multiple countries. The call as well as the proposal evaluation and selection are international. Funding is then provided by participating funding organisations directly to the selected consortium partners.

Each partner is directed by a principal investigator (PI), who interacts with the funding organisation. One partner acts as the coordinator for the consortium and is the single point of contact with the CHIST-ERA Secretariat.

It is necessary that both the **consortium is eligible** for CHIST-ERA and **all partners are eligible** to be funded by their respective organisation. **All partners have to fulfil the regulations of their respective funding organisation.**

If a partner may be eligible to receive funding by multiple participating organisations, the partner must choose a single organisation for funding.

CHIST-ERA projects have a duration of either **24 or 36 months**.

## Eligibility of the Consortium

The following criteria must be met:

1. The consortium is **international**:
  - It must have a minimum of three partners requesting funding to organisations in the call from at least three distinct countries.
2. The consortium is **balanced**:
  - At most 60% of the total funding may be requested by partners from one country.

The consortium needs to be **focused**, that is, the proposed research must have a clearly defined goal. Consortia should therefore normally contain between three and six partners.

Research groups who are not eligible to receive funding from any organisation participating in the concerned topic may be part of a consortium if they are able to secure their own funding. Third-party funding is not considered for the criteria above. The consortium coordinator must be supported by a funding organisation participating in the topic.

## Eligibility of Partners

The eligibility criteria for partners are specific to the chosen funding organisation. **Be aware that some funding organisations:**

- require that eligibility of partners is checked with them prior to applying;
- request additional national forms to be submitted prior or alongside the CHIST-ERA Call;
- only fund non-commercial research.

The table on the next page provides an overview of each organisation's eligibility rules. Further details, including those of the Funding Organisations' contact points, can be found in the annex.

In order not to jeopardize the whole consortium, partners should avoid that a priori doubts exist about the eligibility of their institution (university, academic institutions, industry), the eligibility of their PI (permanent staff, position secured for the duration of the project, etc.), and their eligible costs.

## Eligibility of Partners: Overview Table

See the National Annex for detailed national regulations and conditions.

Country	Funding organisation	Budget (M€) †	Max. number of projects †	Prior contact ‡	Additional forms ‡	Industrial partners eligible ‡	Reference funding scheme	Additional information
AT	FWF	0.30	1-3	Yes	Yes	Yes	Stand-alone projects	Read the specific conditions in the national annex. FWF only supports the topic ORMR.
BE	FNRS	0.20	2-3	Yes	No	No	PINT-M	Only Wallonia-Brussels Federation.
BG	BNSF	0.45	3-5	Yes	Yes	No	Programs ERA-NET	Read the specific conditions in the national annex.
CA	FRQNT	0.60	2-3	No	No	No	Collaborative project	Read the specific conditions in the national annex.
CH	SNSF	1.00	4-8	Yes*	Yes	Yes	“Programmes/ERA-NET”	Read the specific conditions in the national annex.
CZ	TACR	1.00	2-5	No	No	Yes	<a href="#">“Programme EPSILON”</a>	Read the specific conditions in the national annex.
EE	ETA <sub>g</sub>	0.10	1	No	No	No	“Knowledge Based Estonia 2014-2020”	If several Estonian research teams participate in the same consortium, their total maximum funding is 100 000 €.
ES	MINECO	0.50	4-5	No	No	No**	“Acciones de Programación Conjunta Internacional”	** Read the specific conditions in the national annex.
ES	IDEA	0.50	2-4	Yes	No	Yes	“Programa de Fomento de la I+D+i Internacional”	Read the specific conditions in the national annex.
FI	AKA	1.00	3-4	recommended	No	No	Academy project	Read the specific conditions in the national annex.
FR	ANR	2.00	8-10	Yes*	No	Yes	Collaborative Project	Read the specific conditions in the national annex.
GR	GSRT	1.50	6-9	recommended	No	Yes	“Programmes/ERA-NETs”	Read the specific conditions in the national annex. GSRT only supports the topic BDSI.
IE	IRC	0.15	1	Yes	No	No		Standard IRC eligibility criteria apply. You must contact IRC prior to submission.
IT	MIUR	0.50	3-5	Yes	Yes	Yes	FIRST - Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica + IGRUE for EU cofunding.	Up to 150 k€ per project. Please read carefully the national eligibility criteria in the MIUR National Annex. National documents must be submitted to MIUR by the same deadline of the pre-proposal phase.
LT	LMT	0.10	1	Yes	No	Yes**	Towards Future Technologies	** Read the specific conditions in the national annex.
PL	NCN	0.34	1-3	Yes	Yes	Yes	At full proposal stage, applicants must fill in UNISONO form via the OSF electronic submission system <a href="http://www.osf.opi.org.pl/app/adm/start.do">http://www.osf.opi.org.pl/app/adm/start.do</a>	

<b>RO</b>	<b>UEFISCDI</b>	0.50	2-3	Yes	Yes	Yes	PNCDI III – Subprogram 3.2 HORIZON 2020	
<b>SK</b>	<b>SAV</b>	0.12	1	Yes	No	No	“Programmes/ERA-NET”	Read the specific conditions in the national annex.
<b>TR</b>	<b>TÜBITAK</b>	1.20	8	Yes	Yes	Yes	TUBITAK 1001- Program	Read the specific conditions in the national annex.
<b>UK</b>	<b>EPSRC</b>	1.00	2-4	No	No	No	Standard Mode	EPSRC only supports the topic ORMR.

\* Prior contact is highly recommended if PI has never been supported by reference funding scheme.

† The budget is indicative and represents the committed funding available for all projects the organisation supports in this topic. Together with the budget, the maximum number of projects gives an indication of the financial constraints that should be expected by partners applying to be funded by this organisation.

‡ Some funding organisations require that partners contact them prior to submission or send specific documents. Some allow industrial partners but additional conditions may apply. Applicants are strongly recommended to contact their contact point (found in the annex) prior to submission in order to verify their eligibility.

## 2 Stages Application Procedure

### Ensure the Proposal is Valid

- The research is clearly in line with one of the two topics of the call.
- The consortium meets eligibility criteria.
- Each partner meets eligibility criteria.

It is the responsibility of each partner to ensure their eligibility. Refer to the overview table on the previous page and the detailed regulations of each organisation in the annex for partner-specific conditions.

Please make sure that all partners who must contact their funding organisation prior to submission of their proposal have done so.

### Proposal Submission: 2 stages

The call follows a **two-stage submission and evaluation procedure**. First, a pre-proposal (max. 10 pages, see pre-proposal template) is submitted. If the pre-proposal is selected after evaluation by an international Evaluation Panel set up specifically for each Call topic, the consortium is invited to submit a full proposal (see full proposal template).

The projects presented in the full proposal and in the pre-proposal must be consistent. Any change to the plans described in the pre-proposal should be explained and justified. If the changes involve a change in consortium composition, it is strongly advised to contact the national contact points in the concerned countries as well as the CHIST-ERA Secretariat prior to submission to check for any eligibility issue.

At both stages of the application, the coordinator prepares a joint proposal (pre-proposal or full proposal) for the whole consortium, using the template available on the CHIST-ERA website (<http://www.chistera.eu>). The form is submitted via the electronic submission system on the website.

In addition, a Partner Search Tool is provided at <http://www.chistera.eu>.

We recommend that a preliminary proposal be submitted several days before the deadline to guarantee against unforeseen issues. Proposals that have already been submitted can be modified until the deadline.

Partners whose funding organisation requires submitting forms alongside the joint proposal submission must do so at this point, see the overview table and the national annexes.

The coordinator and all partners must be in a position to diligently answer e-mail queries after the submission. If a partner's PI is not available, the PI must be represented by a collaborator from the same organisation.

## Evaluation and Selection of Proposals

Proposals are assessed by an evaluation panel of international experts. There is one panel for each topic of the Call.

The proposals are evaluated and ranked within each topic according to the following criteria:

1. **Relevance to the Topic:** Relevance of the project with respect to the topic description. (this criterion applies to the pre-proposal stage only)
2. **S/T Quality:** Scientific and/or technological excellence:
  - a. Soundness of the concept, and quality of the objectives;
  - b. Progress beyond the state-of-the-art;
  - c. Quality and effectiveness of the methodology and the associated work plan;
  - d. Originality and novelty of ideas.
3. **Implementation:** Quality and efficiency of the implementation and management:
  - a. Appropriateness of the management structure and procedures;
  - b. Quality and relevant experience of individual participants;
  - c. Quality and added value of the consortium (complementarity, balance, etc.);
  - d. Appropriateness of allocation and justification of requested resources (staff, equipment...);
  - e. Identification of risks.
4. **Impact:** Potential impact through the development, dissemination and use of project results:
  - a. Contribution, at the European and/or international level, to the expected impacts;
  - b. Societal and scientific importance;
  - c. Appropriateness of measures for the dissemination and/or exploitation of project results, and management of intellectual property.

On the basis of the ranking established by the evaluation panel, the top ranked pre-proposals, representing a cumulated requested funding of about three times the total available budget for the call, are selected by a board representing the call's funding organisations (Call Steering Committee) and invited to submit a full proposal.

Full proposals are assessed by the evaluation panel with the help of external reviewers. On the basis of the ranking and of available funding, the Call Steering Committee will prepare a list of projects recommended for funding.

At each stage, the assessment by the evaluation panel of each proposal is detailed in a consensus report, which is made available to applicants.

## **Management of Projects**

### **Setting up the Consortium**

If the full proposal is recommended for funding, each partner may need to submit an administrative application to the chosen funding organisation to apply for their CHIST-ERA funding (grant or contract). In rare cases, specific partners in a consortium may be requested to apply for their funding from another funding organisation than the one they had chosen initially. The subsequent negotiation phase between the partner and the funding organisations follows the established procedures and, if successful, results in a grant agreement between the two parties.

All partners of a consortium should request their funding to start at approximately the same date, to ensure that the collaborative research can be conducted as planned.

The administrative and financial management of funding is overseen by the respective funding organisations, according to their rules and guidelines.

At the latest three months after the start of a project, a consortium agreement has to be signed by all partners and sent to the CHIST-ERA Secretariat. Some funding organisations require that the consortium agreement is signed before the grant agreement can be finalised.

### **Reporting and Publications**

Consortia must present the status of their project at each yearly event organised by CHIST-ERA. The related costs are eligible.

Furthermore, the coordinators of funded projects have to submit a scientific report on each 12-month period of the project. The reports must be sent to the CHIST-ERA Secretariat within two months after the end of each period.

Some funding organisations require separate reports for individual project partners. This is specified in their grant agreements.

Any publications resulting from CHIST-ERA projects must acknowledge CHIST-ERA, and an electronic copy must be sent to the CHIST-ERA Secretariat. Granting open access to publication and data is encouraged (related costs are eligible in the framework of the respective funding organisation regulations).

# National Annex: Funding Organisation's Contact Points and Regulations

## AT – Austria

## FWF

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FWF—Der Wissenschaftsfonds  
Sensengasse 1  
1090 Wien

<http://www.fwf.ac.at/>  
Fax: +43 | 505 6739

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### National Contact Point

Mag. David Miksits  
+43 | 505 6740 8410  
[david.miksits@fwf.ac.at](mailto:david.miksits@fwf.ac.at)

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### Funding Criteria and Regulations

All Austrian partners must contact FWF prior to submission.

For Austrian proposers hold the same application criteria as for regular stand-alone projects (see pages 1 and 5-7 of “application guidelines” available at the FWF website:

[http://www.fwf.ac.at/fileadmin/files/Dokumente/Antragstellung/Einzelprojekte/p\\_application-guidelines.pdf](http://www.fwf.ac.at/fileadmin/files/Dokumente/Antragstellung/Einzelprojekte/p_application-guidelines.pdf)

Applications forms can be found following this link:

<http://www.fwf.ac.at/de/forschungsfoerderung/antragstellung/internationale-programme/joint-projects-era-net-calls>

mandatory are:

- Scientific Abstract of the joint project in E and PR-Abstract of the joint project in D and E
- Application form (incl. signature and stamp of the research institution)
- Programme specific data
- Attachment Co-Authors
- Itemisation of requested funding (only FWF part)

If existing:

- National research partner
- Itemisation form-Equipment
- Offer for equipment ≥ 400€
- Transferred equipment form

Filled and signed FWF forms have to be sent to the FWF office concurrent to the submission of the joint CHIST-ERA proposal.

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## BE – Belgium (Wallonia-Brussels) FNRS

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### Contact Point

Dr. Florence Quist  
Scientific Officer

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[florence.quist@frs-fnrs.be](mailto:florence.quist@frs-fnrs.be)

Dr. Arnaud Goolaerts  
Scientific Officer

+32 2 504 93 28

[arnaud.goolaerts@frs-fnrs.be](mailto:arnaud.goolaerts@frs-fnrs.be)

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### Funding Criteria and Regulations

**Project duration:** The maximum amount of requested funding per project is 150.000 EUR for a total period of three years. If the project involves the recruitment of a PhD student, the project duration of the F.R.S.-FNRS sub-project could be up to four years (cf. PINT-MULTI regulations).

**Eligibility of the proposal and applying candidates:** all eligibility rules and criteria can be found in the [PINT-MULTI regulations](#).

### Forms to be submitted

Applicants must provide basic administrative data by submitting an administrative application on [Semaphore](#) for the same deadline as the consortium application is submitted. Please select the “PINT-MULTI” funding instrument when creating the administrative application. Proposals invited to the second stage will be able to complete the pre-proposal form and provide information for the full proposal upon validation by the F.R.S.-FNRS.

General rules and regulations of FNRS apply: [www.frs-fnrs.be](http://www.frs-fnrs.be).

See also: <http://www.ncp.fnrs.be/index.php/appels/era-nets>

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Bulgaria National Science Fund - BNSF

Blvd. Al. Stampolijski 239

Entr. B

Sofia 1309

[www.fni.bg](http://www.fni.bg)

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**National Contact Point**

Milena Aleksandrova

Program Coordinator of ERA NET participation

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[aleksandrova@mon.bg](mailto:aleksandrova@mon.bg)

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**Funding Criteria and Regulations**

Applicants eligible to participate in this project selection procedure are only the following entities:

- 1) Accredited universities as defined in Art.85 para.I, p. 7 of the Higher Education Act;
- 2) Research organizations as defined in Art. 47, para I of the Higher Education Act.

Applicants under this procedure shall be directly responsible for the implementation of the activities under the project proposal and shall not act as intermediaries, but they shall carry out activities under the project proposal on their behalf and at their expense.

Applicants to this procedure must be entities:

- Carrying out fundamental research studies; and
- Whose activities are entirely of a non-profit nature; or
- Whose activities are of both for-profit and not-for-profit nature, but these activities are clearly distinguished and their organization allows tracking of revenue and expenditures connected with their implementation, including by keeping analytical accounting. In the event that an applicant is involved in both for-profit and not-for-profit activities, the funding, expenditures and revenues shall be taken into account separately for each type of activity and on the basis of consistently applied principles of accounting of expenditures being justifiable.

Eligible costs are specified in “National requirements and eligibility conditions” of Bulgarian National Science Fund available at: [https://www.fni.bg/sites/default/files/competition/12\\_2016/ERA/ERA\\_NET\\_2016\\_2.pdf](https://www.fni.bg/sites/default/files/competition/12_2016/ERA/ERA_NET_2016_2.pdf)

Applicants need to fill in Application form for the administrative description of the project and deposit it at BNSF Registry Office.

More information on national requirements and application forms can be obtained at: <https://www.fni.bg/?q=node/603>

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The Fonds de recherche du Québec – Nature et technologies

140 Grande Allée Est, suite 450  
Québec (Québec), G1R 5M8  
Canada

<http://www.frqnt.gouv.qc.ca/en/>

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**National Contact Point**

Ms. Véronique Baril  
Program Manager and International Partnerships

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**Funding Criteria and Regulations**

**Eligibility of the proposal and applying candidates:** all eligibility rules and criteria can be found in the Common General Rules of the FRQ, available here:

[http://www.frqnt.gouv.qc.ca/documents/10191/1800731/FRQ\\_common-general-rules.pdf/cdda5d0c-132d-45be-bda3-64033c8122b7](http://www.frqnt.gouv.qc.ca/documents/10191/1800731/FRQ_common-general-rules.pdf/cdda5d0c-132d-45be-bda3-64033c8122b7).

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Swiss National Science Foundation

Division II – Mathematical, Natural and Engineering Sciences  
Wildhainweg 3  
P.O. Box 8232  
CH-3001 Berne

<http://www.snf.ch>

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### **National Contact Point**

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### **Funding Criteria and Regulations**

Projects must comply with SNSF Project Funding (division II) [regulations and practices](#).

In particular, all Swiss applicants and co-applicants must be eligible for Project Funding, see also the [Regulations on project funding](#). Swiss applicants who have not previously obtained a Project grant in division II must contact the national contact point.

Partners of the international project consortium applying for funding at other funding agencies as the SNSF cannot be declared as project partners in the sense of article 11.2 of the SNSF Funding Regulations. They should be declared as consortium partners instead and apply for their funding at their respective research funding organisation.

Article 17 of the SNSF Funding Regulations only applies in the sense that proposals with overlapping funding periods are only approved if the research projects pursue different goals in the context of this European programme than any ongoing projects by the same applicant.

Article 7.3 of the Regulations on project funding applies. Swiss applicants may participate in at most one CHIST-ERA proposal.

Grants will be managed according to [standard SNSF rules](#); reporting requirements duplicating those of CHIST-ERA will not be enforced. Follow-up applications may not be submitted.

### **Forms to be submitted**

Applicants must provide basic administrative data by submitting an administrative application in the online [mySNF tool](#) for the same deadline as the consortium application is submitted. Please select the “Programmes/ERA-NET: Pre-proposal” funding instrument when creating the administrative application for the pre-proposal and “Programmes/ERA-NET” if you are invited to submit a proposal for the second stage. The pre-proposal can be used as a template when the full proposal is created in mySNF.

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Technology Agency of the Czech Republic

Evropská 1692/37

160 00 Praha 6

Czech Republic

<https://www.tacr.cz>

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### National Contact Point

Martina Křepelková

Project manager

+420 234 611 635

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### Funding Criteria and Regulations

The project granted by the TACR must be aligned with the main objectives described in [programme EPSILON](#), (also in [Czech version](#)) Funding programme for applied research and experimental development EPSILON

#### **Eligible beneficiaries of the funding**

Eligible beneficiaries of funding for projects are: businesses and research organizations.

Eligible beneficiary= only businesses who act as a natural persons according to Annex I of the Regulation engaged in an economic activity pursuant to Act no. 455/1991 coll. on Trades (Trade Act).

#### **The start day of the accepted projects**

The first possible start day of the accepted projects is the day following the TA CR competition period deadline in order to fulfil the incentive effect of the support within the meaning of Article 6 paragraph 2 of the Regulation.

#### **Eligibility of applicants:**

- Only those applicants who meet the eligibility conditions set out in Section 18 of the Support of Research and Experimental Development and Innovations Act can obtain funding for a project. The applicant shall submit a mandatory attachment, which contains the professional prerequisites for the implementation of the project pursuant to Section 18 Article 2, points (a) of the Support of Research and Experimental Development and Innovations Act:
  - The structured CVs of the researcher and other members of the research team,
  - A list of up to 5 of the most significant projects applicants have participated in in recent years. The project name and the length of the project is to be submitted in the form required by the Central Project Register.
  - A list of up to 5 of the most significant results applicants have achieved in recent years. For each result, specify how the result was used (eg, license sale, use at work in your institution, use for education).
- Eligibility of Applicants must be proven pursuant to Section 18 of the Support of Research and Experimental Development and Innovations Act by a sworn statement of the applicant (available at: [https://www.tacr.cz/dokums\\_raw/cestne\\_prohlaseni\\_uchazece.docx](https://www.tacr.cz/dokums_raw/cestne_prohlaseni_uchazece.docx)). Completed sworn statement will be attached to the project proposal.
- The eligible applicant is not an undertaking which is subject to an outstanding recovery order following a previous Commission decision declaring an aid illegal and incompatible with the single market, and an undertaking in difficulty referred to in Article 1 (4), points (a) and (c) of the Regulation.
- Entities, who do not fulfil the obligation pursuant to Act no. 563/1991 coll. on accounting, mainly the duty to publish their financial statements in the respective register in the sense of Act no. 304/2013 on public registers, are not eligible applicants. This paragraph is related only to those entities that have this duty. Financial statements for years 2013, 2014, and 2015 will be attached to the project proposals.
- If the activity related to the implementation of the project requires special permission in accordance with Section 18 Article 2, point (b) Support of Research and Experimental Development and Innovations Act, a copy of the business authorization or other required authorization (eg in accordance with Act No. 246/1992 Coll., On the Protection of Animals against Torture, and Decree No. 311/1997 Coll. on breeding and use of experimental animals) must be a part of qualification documents.

[to be continued on the next page]

#### Eligible and recognized costs:

The eligible costs of the project are divided into specific categories defined under the Article 17 [Terms & Conditions](#) (version 4), investments and scholarships are not eligible costs in this joint call.

#### Supported results

The call can only support projects that are reasonably expected to achieve at least one of the following types of (categorized according to the register of information on the results):

P - patents;

G - technically realized results - prototype, functional sample;

Z - pilot plant, verified technology;

R - software;

F - results with legal protection - utility model, industrial design;

N - certified methodologies and practices, treatment, conservation methods, specialized maps with expert content.

Results, which will not be recognized by the provider as the sole result in the given project, but only in combination with at least one other result given in the above list of result types, are results of the type: H - results promulgated into legislation and standards, and results promulgated into guidelines and regulations of a non-legislative nature which are binding within the competence of the relevant provider.

The TA CR financial allocation for CHIST ERA Joint Call 2017 is 1 000 000 EUR.

The applicants may contact the National Contact Point Mrs. Martina Křepelková ([martina.krepelkova@tacr.cz](mailto:martina.krepelkova@tacr.cz))

Detailed information for applicants from Czech Republic will be available at the TA CR website by the end of October 2017: <https://www.tacr.cz>

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Estonian Research Council

Soola 8  
Tartu 51013

<http://www.etag.ee>

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### National Contact Point

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### Funding Criteria and Regulations

Estonian Research Council (hereafter The Council) funds basic and applied research. Applied research is funded only as far as it is not refer to product development with commercial value and for marketing purposes.

A grant or research support is the allocation of funds by the Council for a specified purpose to carry out research work and the grant shall be awarded within an open competition.

#### I. Participants in the grant project

I.1. Principal Investigator is the applicant of the grant, to whom the grant has been allocated within an open competition and who shall be responsible for the use of the grant for specified purpose and for the productive realisation of the grant project. The Council shall enter into a grant agreement with the Principal Investigator.

##### I.2. The Principal Investigator

I.2.1. Must possess either the Estonian nationality or citizenship or be a permanent resident of Estonia.

I.2.2. Has a updated profile in the Estonian Research Information System (ETIS).

I.2.3. Has as a rule entered into an employment relationship with the legal person (hereinafter Institution), which is the basis of the realisation of the grant project and through which the grant shall be allocated to the Principal Investigator.

I.2.4. Must be a holder of the doctoral degree of Estonia or an equivalent academic degree (both awarded by the deadline of submission of the grant application, at the latest).

I.2.5. Must have published within the last five years prior to the proposal's submission deadline at least three publications, which comply with the requirements of clauses 1.1 of the classification of publications of the ETIS, or at least five publications, which comply with the requirements of clauses 1.1, 1.2, 2.1 and 3.1 of the classification of publications of the ETIS; international patents are equalised with publications of clause 1.1.; the monographs are equalised to each author with three publications mentioned in clause 1.1 if the number of its authors is three or less. If the applicant has been on the parental leave or in the compulsory military service within these last five years, the deadline of the publication requirement shall be extended by the time stayed on the parental leave or compulsory military service

I.3. The main participant of the project is a person who participates in the substantial performance of the project. The main participant of the project shall either possess at least the master's degree or the respective qualification and must have published at least one publication within the last three years prior to the proposal's submission deadline, which comply with the requirements of clauses 1.1, 1.2, 2.1 or 3.1 of the classification of publications of the ETIS; or be a doctoral candidate

[to be continued on the next page]

## **2. Budget**

2.1. A budget of proposal shall consist of the research expenses and the overhead costs of the institution, through which the grant project is to be carried out.

2.2. The research expenses consist of personnel costs (incl. scholarships), travel costs, other direct costs and subcontracting costs. The expenses on research are clearly required to carry out the project and respectively identifiable.

2.3. Remuneration may be only paid out of the grant to the Principal Investigator, main participants in the project and auxiliary staff according to the time they participate in the grant project and their total salary cost for Institution. Double funding of activities already have contributions is not acceptable.

2.4. Scholarship equal to the state grant may be paid out of the grant to doctoral candidates not paid any salary by Institution. The scholarship for a doctoral candidate may not exceed 422 euros a month. The scholarship of the doctoral candidate along with the State education allowance may not exceed 622 euros a month. Should a doctoral candidate participate in several projects financed by the Council, the total amount of the scholarship received from different projects may not exceed the aforementioned amount. It means that maximum of the scholarships per doctoral candidate is annually 5064 euros.

2.5. Travel costs cover expenses for transport, accommodation and daily allowances (except in case of internal travel).

2.6. Subcontracting costs cover generally only additional or complementary tasks (e.g. costs for translation, analyses, etc.) to the third parties. Core project research tasks should not be subcontracted. Subcontracting costs may not exceed 10% of the total costs.

2.7. Other direct costs are:

2.7.1. Consumables related to the project

2.7.2. Costs for publishing and dissemination of project results (fair distribution of costs between partner should be followed);

2.7.3. Costs for organising the meetings/seminars/conferences (only in Estonia)

2.7.4. Fees for participating in scientific forums and conferences;

2.7.5. All other costs which are clearly required for the implementation of the project and respectively identifiable.

2.8. Overhead costs of the institution must not exceed a maximum of 20% of eligible direct costs and should be cover general expenses of the institution.

2.9. Costs for equipment and services intended for public use (copying machine or printer publicly used, phone bills, copying service, etc. shall be covered from the overhead fee.

2.10. Participants' personal expenses or expenses not directly related to the project are not eligible.

## **3. Human research or animal tests**

3.1. If a human research or animal tests are intended in the research project, the positive resolution of the Ethics Review Committee or Animal Testing Project Permits Committee with respect to the performance of the project addressed to the Council shall be submitted before the funding decision is made.

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Ministerio de Economía, Industria y Competitividad – Agencia Estatal de Investigación

Subdivisión de Programas Científico - Técnicos Transversales, Fortalecimiento y Excelencia  
 Paseo de la Castellana 162  
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 +34 916037990

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### National Contact Point

Administrative and technical issues:	Scientific issues:	Representative:
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<a href="mailto:era-ict@aei.gob.es">era-ict@aei.gob.es</a>		

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### Funding programme

*Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad*, [Plan Estatal de Investigación Científica Técnica y de Innovación 2013-2016](#).

The instrument for funding the Spanish groups will be the Spanish Call on International Joint Programming Actions (*Acciones de Programación Conjunta Internacional*), which will be launched in 2018 (APCIN 2018) or the equivalent. Only as a reference, the beneficiaries are advised to read the call APCIN 2017.

The Spanish legal entities granted are obliged by the regulations established in this APCIN call and by the funding limits specified below.

### Purpose of funding

The projects granted by the MINECO must be aligned with the main objectives described in the [Programa Estatal](#).

### Funding commitment

Maximum funding for the CHIST-ERA call 2017: 500.000 € (750.000 € including Cofund Top Up)

### Eligible criteria

Eligible legal entities for MINECO funding:

Non-profit research organizations according to the APCIN call

1) Although enterprises won't be funded through the APCIN Call, the Spanish industrial sector is much welcome to participate in the transnational consortia using their own funds.

Final rules on eligibility will be described at the APCIN 2018 call, to be published [here](#).

### Additional eligibility criteria

#### Mandatory:

Spanish Principal investigators **must be** eligible according to the APCIN 2018 call and must have experience as investigators in projects funded by the *Plan Nacional I+D+I 2008-2011*, the *Plan Estatal I+D+I 2013-2016*, ERC Grants, or European Framework Programmes.

#### Not allowed:

- Principal Investigators are not allowed to apply for funding in more than one proposal of the CHIST-ERA call 2017.
- Principal Investigators are not allowed to apply for funding in more than one proposal in APCIN 2018 (or equivalent) call. This must be taken into account when participating in different ERA-Nets or other international initiatives.
- Important note: Principal Investigators granted in the APCIN 2017 call are not allowed to apply neither in APCIN 2018 nor in the transnational CHIST-ERA II 2017 call.

MINECO will avoid double funding (overlapping with other EU or National funding), and will not grant projects or parts of projects already funded.

[to be continued on the next page]

### **Eligible costs**

- Personnel costs for temporary contracts (fellowships are not eligible).
- Current costs, small scientific equipment, disposable materials, travelling expenses and other costs that can be justified as necessary to carry out the proposed activities.
- Indirect costs (overheads) or clinical assays (proofs of concept, proofs of principle) are not eligible for funding in the APCIN call.

### **Funding rates**

The following funding limits are considered eligibility criteria. Proposals not respecting these limits could be declared non eligible.

- Maximum per legal entity and proposal eligible for MINECO should not exceed 37.000 € per year (up to 111.000 € for three year project). If two or more legal entities participate in the same proposal the MINECO part should not exceed 46.000 € per year (up to 138.000 € for three year project).
- For experimental groups, the above limits are increased: Up to 50.000 € per year (up to 150.000 € for three year project) for one Spanish partner. Up to 65.000 € per year (up to 150.000 € for three year project) for the whole Spanish part in case more than one Spanish partner participates in the same proposal.
- If the transnational proposal is led by a PI eligible for MINECO a maximum of 8.000 € per year in addition.

Centres formed by different Spanish legal entities will be considered as a unique entity, and thus the maximum funding should not exceed the limits per proposal established above (for example mixed centres).

The final funding will take into account the transnational evaluation of the collaborative proposal, the scientific quality of the Spanish group, the added value of the international collaboration, the participation of the industrial sector, and the financial resources available.

Spanish PIs have to remain unchanged between the pre-proposal stage, the full proposal stage, and the National APCIN call.

### **Mandatory acknowledgement**

Any publication or dissemination activity resulting from the granted projects must acknowledge MINECO funding even after the end of the project: "Project (reference n° XX) funded by MINECO through APCIN 2018".

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Agencia de Innovación y Desarrollo de Andalucía

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#### National Contact Point

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Mr. José Antonio Pascual Sánchez  
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#### Funding Criteria and Regulations

All Andalusian partners must contact Agencia IDEA contact points prior to pre proposal submission.

**Eligibility of the proposal and applying candidates:** all eligibility rules and criteria can be found in the document available under the link below, under the section Línea de Subvención «Programa de Fomento de la I+D+i Internacional».

Applicants eligible to participate in this project selection procedure are only companies described into Article 3.1 and Article 10 of the link below. Applicants under this procedure shall be directly responsible for the implementation of the activities under the project proposal and shall not act as intermediaries, but they shall carry out activities under the project proposal on their behalf and at their expense.

[Orden de 5 de junio de 2017, por la que se establecen las bases reguladoras para la concesión de subvenciones destinadas a la promoción de la investigación industrial, el desarrollo experimental y la innovación empresarial en Andalucía.](#)

Projects eligible and specific requirements for this call, are described into Articles 8.2.a) and 9.4. Only TRLs from 5 till 7 will be eligible.

For further common details as eligible costs (Article 13 and 14), evaluation criteria (Annex II), funding rates (Annex III), project duration, Regional regulation, financial conditions among others general participation requirements, are described into the previous link.

After the CHIST-ERA full proposals evaluation, Applicants will need to fill in Application form for the administrative description and budget of the project and deposit it at “[Oficina Virtual Agencia IDEA](#)”. The first possible start day of the accepted projects is the day following after this application form submission.

#### Purpose of funding

The projects granted by Agencia IDEA must be aligned with the main objectives described in the [Regional innovation Strategy of Andalusia](#) (See also Annex V)

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Academy of Finland

Hakaniemenranta 6, 00530 Helsinki, Finland

<http://www.aka.fi/>

+358 295 33 5000

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#### **National Contact Point**

Jukka Tanskanen

Science adviser

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#### **Funding Criteria and Regulations**

##### **General**

Finnish applicants are recommended to contact the Academy of Finland before proposal submission for the purpose of checking national funding terms and conditions (e.g. national eligibility criteria).

##### **Applicant**

Applicant for Academy of Finland research funding (i.e. the PI of a research project) must have the qualifications of a professor or docent. A PI requesting funding from the Academy of Finland (coordinator or partner) may not participate in more than two proposals.

##### **Funding**

The Research Council for Natural Sciences and Engineering plans to grant a maximum of 450,000 euros per project (150,000 euros per year). In general, the conditions and restrictions on Academy Projects apply to the funding. The Academy applies the full cost model in its funding, and the Academy's funding contribution for a project can come to no more than 70% of the total project costs. No industrial cofunding is required. Funding can be granted to research teams for purposes of hiring scientific staff, for the acquisition of equipment and supplies, and for other expenses arising for instance from researcher mobility and networking activities. The PI's salary costs must not be significant in relation to the project's total costs. For example, a three-year research project must not include more than 4,5 months of the PI's effective working hours. This is equivalent to about 1,5 months a year. Finnish partners of projects that have been successful at the second call stage will be invited to submit national application forms. The Finnish partners have to agree in writing with the other project partners on the rights of ownership and use of the research results of the project as soon as possible after the funding decision has been made. Project partners have to clarify the rights and obligations of inventors with the other members of their research team as well as with their research partners and funding bodies.

More information on the Academy's general conditions and guidelines for funding:

<http://www.aka.fi/en/funding/how-to-use-the-funding/general-conditions-and-guidelines-for-funding/>

Guidelines for research project funding granted by the Research Council for Natural Sciences and Engineering:

<http://www.aka.fi/fi/tiedepoliittinen-toiminta/toimikunnat-rahoittajina/luonnontieteen-ja-tekniikan-tutkimuksen-toimikunta/>

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**National Contact Point**

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**Funding Criteria and Regulations**

The specific appendix for applicants from France will be available by end November on the website of ANR:  
<http://www.anr.fr/AAPProjetsOuverts>.

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**General Secretariat for Research and Technology (GSRT)**

International S&T Cooperation Directorate – Bilateral Relations Division

14-18, Messogion Ave.

11527, Athens

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**National Contact Point**

Sofia DIMITROPOULOU

Programme Officer

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**Funding Criteria and Regulations**

**A.** The following topic is supported by GSRT: Innovation

All the topics within RIS3 (<https://www.espa.gr/en/pages/staticRIS3.aspx>) i.e. ICT

**B.** Who can apply?

a. All Legal Entities b. Individual Enterprises

**C.** What types of funding are eligible for Greek researchers?

**Aid for research and development projects** (COMMISSION REGULATION (EU) No 651/2014 article 25)

**1. Kind of Research.**

The aided part of the research and development project shall completely fall within one or more of the following categories:

(a) industrial research;

(b) experimental development;

**2. The eligible costs of research and development projects** shall be allocated to a specific category of research and development and shall be the following:

(a) personnel costs: researchers, technicians and other supporting staff to the extent employed on the project (regarding the individual enterprises the contracts should abide by the national legislation and guidelines);

(b) costs of instruments and equipment to the extent and for the period used for the project. Where such instruments and equipment are not used for their full life for the project, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible;

(c) costs for of buildings and land, to the extent and for the duration period used for the project. With regard to buildings, only the depreciation costs corresponding to the life of the project, as calculated on the basis of generally accepted accounting principles are considered as eligible. For land, costs of commercial transfer or actually incurred capital costs are eligible;

(d) costs of contractual research, knowledge and patents bought or licensed from outside sources at arm's length conditions, as well as costs of consultancy and equivalent services used exclusively for the project;

(e) additional overheads and other operating expenses, including costs of materials, supplies and similar products, incurred directly as a result of the project.

**3. The aid intensity for each beneficiary:****A. Public Research Institutes and Universities**

The aid intensity can reach 100% for performing non economical activities in accordance to the point 19 of the article 2.1.1 of the «Framework for State aid for research and development and innovation» (2014/C 198/01)).

**B. Private Sector**

(a) 50 % of the eligible costs for industrial research;

(b) 25 % of the eligible costs for experimental development;

The aid intensities for industrial research and experimental development may be increased up to a maximum aid intensity of 80 % of the eligible costs as follows:

(a) by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises;

(b) by 15 percentage points if one of the following conditions is fulfilled:

(i) the project involves effective collaboration:

— between undertakings among which at least one is an SME, or is carried out in at least two Member States, or in a Member State and in a Contracting Party of the EEA Agreement, and no single undertaking bears more than 70 % of the eligible costs, or — between an undertaking and one or more research and knowledge-dissemination organisations, where the latter bear at least 10 % of the eligible costs and have the right to publish their own research results;

(ii) the results of the project are widely disseminated through conferences, publication, open access repositories, or free or open source software.

Further information regarding the categorization of aid intensity and the eligibility of costs is available at the national guide published at GSRT website.

For more information please contact the NCP.

### **1. Eligible costs as Indirect Costs**

Up to 15% calculated on the basis of the personnel budget of the partner. Indirect costs are eligible for all Legal Entities.

### **2. Upper funding limits for the eligible costs**

Upper limit of the total public funding will be 200.000 € per project (including indirect costs). Please note that this amount can be increased to 250.000 € per project if Greek partner assumes the project coordination.

The maximum state aid intensity will be calculated according to the provisions of the European state aid rules and regulations in force (type of research activity, size of the participating enterprise, collaborative research).

### **3. Duration of the projects**

The duration of a funded project is 24- 36 months. A possible extension of the duration under conditions can be accepted maximum up to the 1/3 of the initial duration taking in account the starting date without modifying the scientific or increasing the financial part of the project.

National phase: A national call will be announced for the submission of the approved proposals at national level after the selection of the projects at European level.

For more information you are strongly advised to contact the NCP.

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**The Irish Research Council (IRC)**

3 Shelbourne Buildings  
Crampton Avenue  
Shelbourne Road  
Ballsbridge  
Dublin 4  
D04 C2Y6

[www.research.ie](http://www.research.ie)

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**National Contact Point**

Dr. Aileen Marron

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[amarron@research.ie](mailto:amarron@research.ie)

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**Funding Criteria and Regulations**

The grants distributed by the Irish Research Council must be administered by an Irish higher education institution (HEI) that fulfils the Irish Research Councils criteria for an administrating organisation.

Eligibility criteria for regular IRC funding programmes apply ([www.research.ie](http://www.research.ie)). You must contact IRC prior to submission.

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Ministry of Education, Universities and Research

via Michele Carcani 61 – 00153 Rome

<http://www.miur.gov.it>

[http://www.ricercainternazionale.miur.it/era/eranet-cofund-\(h2020\)/chist-era-iii.aspx](http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/chist-era-iii.aspx)

### National Contact Point

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Dr. Aldo Covello

Programme Manager

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### Funding Criteria and Regulations

#### Name of & link to the funding programme(s) and other relevant information

FIRST (Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica) and IGRUE account for the EU cofunding.

Min. project duration: 24 months

Max. project duration: 36 months

#### Maximum funding per project

Overall funding commitment for the call: 500.000 €.

A maximum grant of 150.000 Euro can be awarded to each project proposal, even if it includes more than one Italian participant.

#### Institutional eligibility criteria

A maximum of two Italian participants per project proposal, requesting funding to MIUR, is admitted.

A Principal Investigator can participate (either as coordinator or as partner) in only one project proposal, requesting funding to MIUR.

All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Subcontracting, Consumables, and Overheads.

Applicant typology		Funding Rates			
		Small Enterprises	Medium Enterprises	Big Enterprises	Universities, public research institutions, research organizations (public and private) in accordance with Reg. EU n. 651/2014 of the Commission - June 17, 2014)
Activity typology		Enterprises and private research bodies (which meets the requirements of research organization under EU Reg. no. 651/2014 of the Commission - June 17, 2014)			
	Basic Research	40%	30%	20%	70%
	Industrial Research	40%	30%	20%	50%
Experimental Research	grant	30%	20%	10%	25%

On request of applicants a pre-payment may be done, equal to:

- 80% of the total contribution for public entities;
- 50% of the total contribution for private entities.

[to be continued on the next page]

The remaining part of contribute will be paid in instalments after each financial and progress reporting period.

*1) Type/nature of participants*

According to art. 60 of the Decree-Law n. 83/2012 and art. 5 of its implementing Ministerial decree 593/2016, the following entities are eligible, providing that they have stable organization in Italy: enterprises, universities, research institutions, research organizations in accordance with EU Reg. n. 651/2014 of the European Commission - June 17, 2014. Eligible participants must have a stable organization in Italy.

*2) Legal/administrative/financial conditions*

The participant must not be defaulting with regard to other funding received by MIUR.

The participant must not have requested/got any other funding for the same research activities.

The participant must respect the Italian law "D.Lgs. n 159 del 6/09/2011 e successive modificazioni ed integrazioni".

*3) Financial conditions*

For any participant, with the exception of public universities and public research institutions (Enti pubblici di ricerca), the following financial criteria, calculated using the data reported in the last approved balance sheet, must be fulfilled:

$$\mathbf{CN > (CP - I)/2}$$

Where:

- CN = net assets (Capitale netto)
- CP = sum of the costs of all the projects for which public funding has been requested by the participant during the year
- I = sum of the contributions received, approved or requested for the same projects

$$\mathbf{OF/F < 8\%}$$

Where:

- OF = financial charges (Oneri finanziari)
- F = turnover (Fatturato)

In addition to the project proposal, which shall be submitted at European level, the Italian participants are requested to submit further documentation to MIUR, through the national web platform, available at the following link: [http://www.ricercainternazionale.miur.it/era/eranet-cofund-\(h2020\)/chist-era-iii.aspx](http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/chist-era-iii.aspx).

These national additional documents must be submitted by the same deadline established for the pre-proposal phase submission as defined in the CHIST-ERA III international joint call.

Any participant who does not submit its national documents by the deadline of the pre-proposal CHIST-ERA III call, will be considered not eligible for funding.

MIUR will require to all Italian participants admitted for funding some additional documents describing in more detail the participant and its research activities within the project.

It is strongly recommended to contact the National Contact Persons already in early stage of project preparation. The admission for funding is subject to the adoption of the necessary accounting and administrative measures for the allocation of the resources.

Funded participants will be requested to submit financial and scientific reports to MIUR.

***Institutional thematic priorities***

All activities classifiable as Basic research, Industrial research and Experimental development are eligible for funding.

Furthermore, Basic research and Industrial research activities must be predominant with respect to Experimental development activities.

Research Council of Lithuania

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Lithuania

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**National Contact Point**

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**Funding Criteria and Regulations****Eligible applicants**

Researchers from Lithuanian higher education and research institutions (listed in the Register of Ministry of Education and Science of Republic of Lithuania) may participate in the consortia. The applicant who intends to act as a project leader (PL) or principal investigator (PI) has to be a scientist (researcher holding at least a Ph.D. degree). A person, acting as a PL, PI or a core group member can participate only in one proposal per Call.

Industrial partners are allowed to participate only in collaboration with Lithuanian higher education and research institution.

**Eligible costs**

Eligible direct costs for Lithuanian researchers:

- Personnel
- Subcontracting
- Consumables
- Travel and Subsistence
- Equipment
- Other

Overheads:

- Up to 30% of Personnel and Subcontracting costs.

The workload of the core members of the Lithuanian team must be at least 20 hours multiplied by the duration of the project in months.

One project can require up to € 100 000 for a maximum of three years in Lithuania.

**Links to further information or documents:**

This is not a comprehensive list of requirements for the Lithuanian participants. All national rules are presented in the Lithuanian language in the call text and Rules for Financing ([Lietuvos mokslo tarybos mokslo ir sklaidos projektų konkursinio finansavimo bendrosios taisyklės](#))

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Narodowe Centrum Nauki

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Poland

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#### National Contact Point

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#### NCN Eligibility Requirements for CHIST-ERA applicants based in Poland

**Only proposals involving basic research** (experimental or theoretical endeavours undertaken to gain new knowledge of the foundations of phenomena and observable facts, without any direct commercial use) **may be submitted in response to the call for proposals.**

- **Who can act as Principal Investigator?**

Any researcher, with a doctoral degree, employed at a Polish institution.

- **What are the eligible costs for Polish researchers?**

We strongly encourage all applicants to read information on **eligible costs** included in the Annex to NCN Council's Resolution on funding granted within calls for proposals for international research projects: [https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2017/uchwala31\\_2017-zal1.pdf?ncn](https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2017/uchwala31_2017-zal1.pdf?ncn) (p. 5-11).

You can apply for funding for all costs relevant, necessary and directly connected to the proposed research project including:

- Personnel costs (please see: 2.1., p. 6-9, in the abovementioned document);
- Equipment – the cost of an individual item of equipment must not exceed PLN 500 000;
- Other costs such as:
  - Devices and software: costs of devices other than research equipment, as well as the cost of purchasing software instrumental
  - Materials
  - Outsourcing
  - Business trips (travel and subsistence costs)
  - Visits and consultations
  - Costs of knowledge transfer
  - Publication costs (incl. editing and translation costs)
  - Other consumables

#### EURO exchange rate: 1 EUR = 4,2071 PLN

#### Please note:

- All applicants must register their applications in OSF submission system (<https://osf.opi.org.pl/app/adm/start.do>: UNISONO application). The online application includes the following budget table:  
[http://ncn.gov.pl/sites/default/files/pliki/UNISONO\\_budget\\_table.xlsx](http://ncn.gov.pl/sites/default/files/pliki/UNISONO_budget_table.xlsx)
- Overhead costs must not exceed **a maximum of 40%** of the total eligible costs (excl. equipment) and may not be increased during the course of a research project.
- Administrative personnel costs and costs of organisation of conferences have to be covered from overheads.

Applicants are obliged to adhere to the rules included in the Annex to NCN Council's Resolution on funding granted within calls for proposals for international research projects: [https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2017/uchwala31\\_2017-zal1.pdf?ncn](https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2017/uchwala31_2017-zal1.pdf?ncn)

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Research Funding Directorate

Management and Administration of Exploratory Research Programmes  
European Science Foundation Department

Executive Agency for Higher Education, Research, Development and Innovation Funding

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### **National Contact Point**

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### **Funding Criteria and Regulations**

Please check for information:

<http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html>

#### **Eligible institutions:**

Eligible entities for funding are universities, public institutions, R&D national institutions, joint-stock companies, SME's and Large companies, NGOs (associations, foundations, etc.), others. Funding rates vary in accordance with state aid legislation.

#### **Eligible costs**

- Staff costs;
- Logistics expenses
  - Capital expenditure;
  - Expenditure on stocks - supplies and inventory items;
  - Expenditure on services performed by third parties cannot exceed 25% of the funding from the public budget. The subcontracted parts should not be core/substantial parts of the project work;
- Travel expenses;
- Overhead (indirect costs) is calculated as a percentage of direct costs: staff costs, logistics costs (excluding capital costs and cost for subcontracting) and travel expenses. Indirect costs will not exceed 20% of direct costs.

#### **Budget**

The funds allocated from the state budget for the Romanian part of an ERA-NET / ERA-NET project Co-fund are:

- max. 250.000 EUR if Romania is the coordinator of the trans-national project;
- max. 200.000 EUR if Romania is partner in the trans-national project.

Principal Investigators are not allowed to apply for funding in more than one proposal of the CHIST-ERA call 2017.

#### **General regulations**

- The Romanian partners awarded in this call are invited to contract under the National Plan for RDI 2015-2020 rules/Subprogram 3.2 HORIZON 2020;
  - The Romanian partners awarded in this call should submit an annual report (scientific and financial) to UEFISCDI in accordance with the regulations settled in the funding contract.
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### National Contact Point

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### Funding programme

Research in the field of ICT, Computer and Information Sciences including the Automation and Control Systems and related ICT – based sciences.

### Commitment

Maximum funding for the CHIST-ERA call 2017: 120.000€

### Funding Criteria and Regulations

#### Who can apply?

Only research Institutes of Slovak Academy of Sciences are eligible organisations for funding (up to 100%). Applicants from other Slovak R&D centers (universities and/or other organisations from Slovakia) have to cover the project costs from their own sources (Letter of Commitment).

#### What types of funding are eligible for Slovak researchers?

##### 1. Eligible direct costs

##### 1.1 Personal costs

- must accurately reflect the work on the project
- may be used only to cover the costs (including health and social insurance) related to work agreements performed outside of employment
- maximum of 15 % of all direct costs (ERA.Nets) or maximum of 30% of all direct costs, if Slovak team is a coordinator of consortium (ERA.Nets) or maximum of 20% of all direct costs (JRP)

##### 1.2 Material costs and expenditures

- a. Consumables: minor equipment and instruments, small-scale office and laboratory material (no basic equipment of the workplace; essential computer equipment is exception)
- b. costs and expenditures for services directly related to the project: contracts, consultations, publication of project results, conference fees
- c. travel costs and living expenses: limits for travel costs and daily subsistence allowance vary depending on destination country (pursuant to Slovak Act. 283/2002 Col. Of Laws on travel reimbursement)
- d. capital expenditures: to a maximum of 40% of all direct costs

##### 2. Indirect Costs

- administration, energy and infrastructure
- maximum of 20% of all direct costs

#### Is an additional/parallel application requested to the funding organisation?

Slovak researchers that are partners in a project selected for funding will be requested to submit an additional application to the SAS (MVTs form). A separate request to do so will be sent to the Slovak researchers after the recommendation for funding of the respective Joint Call Secretariat. Slovak researchers should submit this application as soon as possible after having received the notification. The Presidium of SAS will make the final decision for funding of selected projects.

#### Information also available at:

[http://www.sav.sk/index.php?lang=sk&doc=services-news&source\\_no=25&news\\_no=5570](http://www.sav.sk/index.php?lang=sk&doc=services-news&source_no=25&news_no=5570)

**It is strongly recommended to contact NCP before the submitting the proposal.**

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## TÜBİTAK

EU Framework Programmes Division

Tunus Cad. No:80 Kavaklıdere

06100 ANKARA

[www.h2020.org.tr](http://www.h2020.org.tr)<http://www.tubitak.gov.tr>**National Contact Point**

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[ncpfet@tubitak.gov.tr](mailto:ncpfet@tubitak.gov.tr)[ncpict@tubitak.gov.tr](mailto:ncpict@tubitak.gov.tr)**Funding Criteria and Regulations**

Information will be available before the call deadline on the TÜBİTAK EU website <http://www.h2020.org.tr/>.

Selected proposals will be funded under I001 Programme. Program details can be found on:

- EN <https://www.tubitak.gov.tr/en/funds/academy/national-support-programmes/content-1001-scientific-and-technological-research-projects-funding-program>
- TR <https://www.tubitak.gov.tr/tr/destekler/akademik/ulusal-destek-programlari/icerik-1001-bilimsel-ve-teknolojik-arastirma-projelerini-destekleme-pr>

**Important Notice:** I001 Programme has a research budget limit of 360.000TRY for each proposal. But specifically for this Call, since TÜBİTAK wants to encourage researchers to take part in these topics, proposals owners can request up to 720.000TRY. This way, selected proposals will be funded up to two times of a typical I001 Programme research budget.

Proposal owners need to estimate their researcher incentive bonus (Proje Teşvik İkramiyesi - PTI) and pay of institution (Kurum Hissesi); and should request the sum of this amounts under the “Overhead” section of the budget table.

In addition to international submission, Turkish partners also need to complete their national submissions during both first and second stages. Typically, national submissions will be closed one week after the deadline of international submissions.

Projects with industry partners can be funded via I001 Programme.

Engineering and Physical Sciences Research Council

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**Funding Criteria and Regulations**

For UK applicants, the standard RCUK eligibility criteria apply. See the Funding guide on the EPSRC website:  
<http://www.epsrc.ac.uk/funding/howtoapply/fundingguide/>

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