



chist-era

Call 2019 for Research Proposals

Supporting the topics of

Explainable Machine Learning-based Artificial Intelligence

and

Novel Computational Approaches for Environmental Sustainability

Deadline: 2 July 2020, 17:00 CET

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

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Indicative budget: Approx. 16 M€

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

CHIST-ERA is supported by the Horizon 2020 FET programme of the EU



Key Facts & Figures

CHIST-ERA

CHIST-ERA is a consortium of research funding organisations in Europe and beyond supporting use-inspired basic research in Information and Communication Technologies (ICT) or at the interface between ICT and other domains. The CHIST-ERA consortium is itself supported by the European Union's Future & Emerging Technologies (FET) programme. CHIST-ERA promotes novel and multidisciplinary research with the potential to lead to significant technology breakthroughs in the long term. The funding organisations jointly support high risk and high impact research projects selected in the framework of CHIST-ERA, in order to reinforce European capabilities in promising emerging topics.

Content of the Call

Topics: **Explainable Machine Learning-based Artificial Intelligence**
Novel Computational Approaches for Environmental Sustainability

Indicative budget: Approx. 16 M€

International consortium: The project consortia must have a minimum of 3 eligible and independent partners requesting funding in at least 3 of the following countries including at least 2 partners from EU Member States or Associated Countries not taking into account UK:
Austria, Belgium, Bulgaria, Québec (Canada), Czech Republic, Estonia, Finland, France, Greece, Hungary, Ireland, Israel, Italy, Latvia, Lithuania, Luxembourg, Poland, Portugal, Romania, Slovakia, Spain, Sweden (topic 1 only), Switzerland, Turkey, United Kingdom (topic 1 only)

Standard consortium size: Three to six partners

Evaluation: Proposals are evaluated based on criteria of *Relevance to the topic (short proposals only)*, *Scientific and technological quality*, *Implementation* and *Impact*

Funding: Each partner is funded separately by the national/regional funding organisation they are applying to. They must fulfil the conditions of their funding organisation, as described in the annex

Tentative Timeline

14 February 2020, 17:00 CET Deadline for short proposal submission

End of April 2020 Notification of accepted short proposals

2 July 2020 Deadline for full proposal submission

Mid-October 2020 Notification of accepted proposals

1 December 2020 First possible start date for accepted projects

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Research Targeted in the Call

The CHIST-ERA (www.chistera.eu) consortium has created a common funding instrument to support European research projects that engage in long-term research in the area of ICT and ICT-based sciences. Through this instrument, the national/regional funding organisations of CHIST-ERA support and join the Horizon 2020 [Future and Emerging Technologies \(FET\)](#) agenda. By launching joint European calls, they can support more diverse research communities, who are able to tackle the most challenging and novel research topics.

Each year, CHIST-ERA launches a call for research projects in two new topics of emergent scientific importance.

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 IoT, terahertz communication, lifelong learning for intelligent systems, visual analytics, object recognition and manipulation by robots, big data and process modelling for smart industry, analog computing for artificial Intelligence and smart computing in networks.

This year's call concerns the following topics:

- 1. Explainable Machine Learning-based Artificial Intelligence (XAI);**
- 2. Novel Computational Approaches for Environmental Sustainability (CES).**

A workshop was held in Tallinn (Estonia) on 11-13 June 2019, bringing together researchers from across a range of research communities and countries, to identify the challenges and promising research directions within the two selected topics. This open consultation has formed the scope of this call.

CHIST-ERA projects should be of a FET-like nature and contribute to the development of the European research and innovation capacity in the technology domain of the call topics. The transformative research done in CHIST-ERA should explore collaborative advanced interdisciplinary science and/or cutting-edge engineering with the potential to initiate or foster new lines of technology and help Europe grasp leadership early on in promising future ICT and ICT-based areas with potential for significant impact in the long term.

Open access to publications and research data is a key asset to leverage on research funding. Applicants are encouraged to consider approaches promoting open access starting from the project preparation stage (see p. 8 about CHIST-ERA developing policy and ongoing activities).

To widen participation throughout Europe, CHIST-ERA projects are encouraged to include partners from the so-called Widening Countries participating in the call: Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Portugal, Romania, Slovakia and Turkey.

To build leading innovation capacity across Europe and connect with industry, CHIST-ERA projects are encouraged to involve key actors that can make a difference in the future, for example excellent young researchers, ambitious high-tech SMEs etc.

1st Topic: Explainable Machine Learning-based Artificial Intelligence (XAI)

Explanation of decisions made by Artificial Intelligence (AI) systems is seen as important for the trust and social acceptance of AI. It is likely in the future that there will be a 'right to an explanation' for decisions that affect an individual. The objective of research on this topic is to make machine learning-based AI explainable.

To do this effectively, it is expected that explanation will need to be designed and integrated into AI systems from the outset, including the data collection and training of algorithms that are the basis of machine learning-based AI.

Along with the technical challenges, it is important to consider that explanation is required at different levels for different stakeholders with different levels of technical knowledge, and in different application domains. It is also important to measure the effectiveness of the explanation at the human and the technical levels, for example by evaluating how transparency, trust and usability are enhanced.

Target Outcomes

- Integration of explainability into new and existing AI systems, including:
 - ✓ Explainability for identification and elimination of biases in data collection
 - ✓ Explainability in the training of machine learning algorithms
 - ✓ Development of algorithms and user interfaces for explainability
- Integration of social and ethical aspects of explainability into AI systems including: User requirements, bias, objectivity and trust
- Developing a means to measure the effectiveness of explainable systems for different stakeholders (objective benchmarks and evaluation strategies for research in this domain)

Applicants should also consider the following:

- Give due consideration to performance evaluation and experiment reproducibility
- The benefits of international collaboration
- Co-creation of projects with stakeholders, including end users, policy makers and industry
- Potential for development of standards or frameworks
- Responsible research and innovation including: Use and protection of data; The legal and ethical issues of providing explanations (what level of explanation is required or appropriate for whom); Open access to research data and publications

Expected Impacts

- Development of novel, ambitious and reliable technologies for the different components of explainable machine learning-based AI, including: AI systems with integrated explanations in a variety of application areas; Frameworks for integrating explainability into AI (Explainability by Design); Methods for putting explainability into current AI systems; Use cases in specific application areas
- Identification of new opportunities and applications fostered through explainable AI
- Enhanced interdisciplinarity; Stakeholders involvement in design and implementation of explainable AI systems; Consideration of the ethical and social aspects of explainability in AI systems
- Widened participation throughout Europe by involving partners from the Widening Countries
- Reinforced innovation capacity across Europe by involvement of key actors, for example young researchers, high-tech SMEs or first-time participants

2nd Topic: Novel Computational Approaches for Environmental Sustainability (CES)

With the challenge of environmental changes being highlighted, it is important that scientists are able to understand and model the environment so they can understand and predict upcoming changes. As environmental models become more complex and more adaptable in real time, it is necessary to change the way we work with these models, to be more integrative, more reactive and reduce the amount of computational power being used. This will improve the computational models that we have and allow better predictions on the future of our planet.

Better data → Better model → Better prediction → Better decision/action

Target Outcomes

- Improvements to computational systems so that data be collected and modelled
 - ✓ In real time
 - ✓ At different levels of complexity and granularity
- Integration of models to improve overall knowledge of an area or system
- Displaying the outputs of a model in a way that different stakeholders are able to understand and make decisions from them
- Modelling of uncertainty in a way that is easy to understand and make decisions from

Applicants should also consider the following:

- Cross traditional boundaries between disciplines in order to strengthen the communities involved in tackling these new challenges
- The benefits of international collaboration
- Co-creation of projects with stakeholders, including end users, policy makers and industry
- Potential for development of standards or frameworks
- Responsible research and innovation including: Use and protection of modelling data; How to reduce the environmental impact of the computational power used for modelling; Open access to data, models and publications

Expected Impacts

- Novel and ambitiously improved methods for environmental modelling, including whole systems approaches; Increased integration of models and data; Increased standardisation of environmental data approaches and storage
- Improved tools for displaying the outputs of the modelling, including the uncertainty in the system; Effective usage of these tools by stakeholders and policy makers using these tools
- Enhanced interdisciplinarity; Stakeholders involvement in research projects design and implementation
- Widened participation throughout Europe by involving partners from the Widening Countries
- Reinforced innovation capacity across Europe by involvement of key actors, for example young researchers, high-tech SMEs or first-time participants

Open Access to Publications and Research Data

As a consortium of research funding organisations supported by the European Commission, CHIST-ERA is concerned by the topical issues of Open Access to Publications (OA)¹ and Research Data (OD)² with the guiding principle “as open as possible, as closed as necessary”. Indeed, any research supported via public funds should be available to the public free of charge, where possible not only to avoid triplicate payment of the same research (researchers, publications, access to publications), but also in order to improve transparency, reproducibility, visibility and democratisation of research.

Today, the research landscape is going worldwide through a restructuring of its policies with the aim to comply with a set of standards in terms of OA and OD. At the European level, this is clearly illustrated through the different strategies and directives issued at the transnational level. In particular, the Plan S, which was elaborated and signed by many stakeholders of the European Research Area, requires 100% OA without embargo³. Science Europe recommends further to share research data in a Findable Accessible Interoperable Re-usable (FAIR) way, and has engaged into an effort to align OD policies between the different stakeholders of the European Research Area⁴.

While the heterogeneity of OA and OD policies in Europe is reflected in CHIST-ERA through its members (see table below), CHIST-ERA as a consortium supports the development of OA and OD. A recently established taskforce within CHIST-ERA is committed to elaborate a pioneering and commonly agreed OA and OD policy to be implemented in the CHIST-ERA calls. As of the Call 2019, the applicants:

Open access to publications

- Commit, if they are selected, to deposit the publications (full text) resulting from the project into an open archive
- Are encouraged to opt for publishing in open access journals⁵

Open access to research data

- Must provide, if they are selected, a Data Management Plan⁶ together with the yearly project scientific report.
- Are encouraged in that respect to adopt approaches as open as possible

The applicants must indicate in their proposal the guiding principles of their approach, the evaluation criteria encompassing some dimensions of OA and OD (including reproducibility of the results).

Available support at CHIST-ERA’s funding organisations for OA and OD are highlighted in the national/regional annex.

¹ OA is, by definition, the fact of making research publications available to third parties free of charge

² OD is defined as the access, free of charge, through sharing on specific data repositories, of research data. The latter consist of the evidence that underpins the answer to the research question, and can be used to validate findings regardless of its form (e.g. print, digital or physical)

³ <https://www.scienceeurope.org/our-priorities/open-access/>

⁴ <https://www.scienceeurope.org/our-priorities/research-data/>

⁵ While the website DOAJ (<https://doaj.org>) lists the peer-reviewed and open access scientific journals, the website DOAB (<https://www.doabooks.org>) focuses on the monographs

⁶ The Data Management Plan template of CHIST-ERA follows the template of Science Europe, which can be found as well as recommendations about data management at <https://www.scienceeurope.org/our-resources/practical-guide-to-the-international-alignment-of-research-data-management>

**Open Access to Publication and Research Data Policy at National/Regional Level: Overview Table
(see annex for further information)**

Country	Organisation	Open access to publications	Open access to research data
Austria	FFG	No	No
Austria	FWF	Yes	Yes
Belgium	F.R.S.-FNRS	Yes	No
Belgium	FWO	Yes	No
Bulgaria	BNSF	No	No
Czech Republic	TACR	No	No
Estonia	ETAg	No	No
Finland	AKA	Yes	Yes
France	ANR	Yes	Yes
Greece	GSRT	Yes	No
Hungary	NKFIH	Yes	Yes
Ireland	IRC	Yes	No
Israel	InnovationAuth	No	No
Italy	INFN	No	No
Italy	MIUR	No	No
Latvia	VIAA	No	No
Lithuania	LMT	Yes	Yes
Luxembourg	FNR	Yes	No
Poland	NCN	No	Yes
Portugal	FCT	Yes	No
Québec (Canada)	FRQNT	Yes	No
Romania	UEFISCDI	No	No
Slovakia	SAS	No	No
Spain	AEI	Yes	Yes
Sweden	VR	Yes	No
Switzerland	SNSF	Yes	Yes
Turkey	TÜBITAK	Yes	No
United Kingdom	UKRI	Yes	Yes

Management of the Call

The Call Secretariat is jointly set up at ANR (France) and AEI (Spain) and will assist the Call Steering Committee and the Evaluation Panel.

Call Steering Committee

The Call Steering Committee (CSC) is the highest decision-making body of the CHIST-ERA call, being composed of representatives of all CHIST-ERA national/regional funding organisations participating in the call.

The CSC steers all activities of the call. In particular, the CSC nominates the members of the Evaluation Panel, selects the short proposals to be evaluated at the second stage, and establishes the final list of projects recommended for funding to the funding organisations based on the ranking list provided by the Evaluation Panel. All decisions concerning the call implementation are taken by the CSC (e.g. management of confidentiality and conflicts of interest).

Evaluation Panel

The Evaluation Panel is the evaluation body of the CHIST-ERA call, being composed of experts in the call topics.

The evaluation panel evaluates the short and full proposals. In particular, it establishes a ranking list of projects which serves as a basis for the CSC funding recommendation.

Tentative Timeline

14 February 2020, 17:00 CET	Deadline for short proposal submission
End of April 2020	Notification of accepted short proposals
2 July 2020	Deadline for full proposal submission
Mid-October 2020	Notification of accepted proposals
1 December 2020	First possible start date for accepted projects

Eligibility

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

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

It is necessary that both the consortium is eligible for CHIST-ERA and all partners requesting funding are eligible to be funded at national/regional level (see corresponding national/regional annex p. 18 and following). If a partner is 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 CHIST ERA general eligibility criteria must be met:

1. The consortium is international:
 - It must have a minimum of three eligible and independent partners requesting funding to organisations in the call from three distinct countries including at least two EU Member States or Associated Countries not taking into account UK (i. e. consortia in the configuration Québec-UK-Country X in the call are not eligible).
2. The consortium is balanced:
 - At most 60% of the total requested funding may be requested by partners from one country;
 - At most 40% of the total requested funding may be requested by a single partner.

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.

Partners who are not requesting funding 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 rules for partners are specific to the chosen funding organisation. The table on the next page provides an overview of the principal eligibility criteria for each funding organisation, including contact point(s). The full list of eligibility rules can be found in the corresponding national/regional annex (p. 18 and following).

In particular, be aware that some funding organisations require that:

- Eligibility of partners is checked with them prior to applying;
- Additional documents are submitted to them.

In order not to jeopardize the whole consortium, partners ensure that no doubts exist about the eligibility of their institution (university, academic institution, industry, end user, standard organisation), the eligibility of their PI (permanent staff, position secured for the duration of the project, retirement before the end of the project etc.), and their eligible costs.

National/Regional Research Funding Organisations: Overview Table (see annex for further information)

* The budget is indicative and represents the committed funding available for all projects the organisation supports in this call. Together with the budget, the expected number of projects gives an indication of the financial constraints that should be expected by partners applying to this organisation. Partners are strongly discouraged from requesting greater budgets than are necessary for the activities being proposed. Many proposals will request less than the upper limits (if any) indicated in the table.

Note: If the currency used in the country of the funding organisation is not the euro, the figure in the table is based on the exchange rate of December 2019.

** 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 prior to submission in order to verify their eligibility.

Country	Funding organisation	Topic 1 XAI	Topic 2 CES	Budget (M€) *	Expected NB of projects *	Limits on amount which may be requested *	Contact prior to submission **	Additional forms **	Industrial partners eligible for funding **	Contact(s)
Austria	FFG	Yes	No	0.30	2-4	No	Yes	Yes	Yes	ana.almansa@ffg.at anita.hipfinger@ffg.at
Austria	FWF	Yes	Yes	1.00	6	No	Yes	Yes	Yes	christian.maszl-kantner@fwf.ac.at
Belgium	F.R.S.-FNRS	Yes	Yes	0.30	2	Max. 150 K€ per project	Recommended	Yes	No	florence.quist@frs-fnrs.be joel.groeneveld@frs-fnrs.be
Belgium	FWO	Yes	Yes	0.70	2-3	Max. 350 K€ per project	Recommended	No	No	eranet@fwo.be
Bulgaria	BNSF	Yes	Yes	0.15	2	Max. 76 K€ per project	Yes	Yes	No	aleksandrova@mon.bg
Czech Republic	TACR	Yes	Yes	1.00	2-5	No	No	Yes	Yes	michaela.kriklanova@tacr.cz
Estonia	ETAg	Yes	Yes	0.10	1	Max. 100 K€ per project	No	No	No	Maarja.Soonberg@etag.ee
Finland	AKA	Yes	Yes	1.00	2-4	Max. 450 K€ per partner	Recommended	No	No	katrine.mahlamaki@aka.fi
France	ANR	Yes	Yes	2.00	8-10	Max. 350 K€ per project	Yes	No	Yes	anna.ardizzoni@anr.fr
Greece	GSRT	Yes	Yes	1.00	6	Max. 200 K€ per project (250 K€ if coordination)	Recommended	No	Yes	m.koniaris@gsrt.gr
Hungary	NKFIH	Yes	Yes	0.60	4	Max. 150 K€ per partner	Recommended	No	Yes	edina.nemeth@nkfih.gov.hu
Ireland	IRC	Yes	Yes	0.15	1		Yes	No	No	rsweeney@research.ie

Country	Funding organisation	Topic 1 XAI	Topic 2 CES	Budget (M€) *	Expected NB of projects *	Limits on amount which may be requested *	Contact prior to submission **	Additional forms **	Industrial partners eligible for funding **	Contact(s)
Israel	InnovationAuth	Yes	Yes	0.50	3	Per the funding course chosen	Recommended	Yes	Mandatory	nir.s@iserd.org.il dan@iserd.org.il
Italy	INFN	Yes	No	0.40	2	Max. 200 K€ per project	Recommended	Yes	No	alessia.dorazio@bo.infn.it
Italy	MIUR	Yes	Yes	0.60	4-6	Max. 150 K€ per project	Yes	Yes	Yes	giorgio.carpino@miur.it aldo.covello@miur.it
Latvia	VIAA	Yes	Yes	0.40	2-3	Max 70 K€ per project year per partner	No	No	Yes	majia.bundule@viaa.gov.lv
Lithuania	LMT	Yes	Yes	0.10	1	Max. 100 K€ per project	Yes	No	Yes	laura.kostelnickiene@lmt.lt
Luxembourg	FNR	Yes	Yes	0.35	1	Max. 350 K€ per project	No	Yes	No	helena.burg@fnr.lu sandra.nittel@fnr.lu
Poland	NCN	Yes	Yes	0.50	2	No	Yes	Yes	Yes	anna.wieczorek@ncn.gov.pl alicja.dylag@ncn.gov.pl
Portugal	FCT	Yes	Yes	0.30	3	Max. 100 K€ per project	No	Yes	Yes	mario.Amaral@fct.pt
Québec (Canada)	FRQNT	Yes	Yes	0.78	4	65 K€ per year	No	Yes	No	laurence.martingosselin@frq.gouv.qc.ca
Romania	UEFISCDI	Yes	Yes	0.35	2	Max. 200 K€ per project (250 K€ if coordination)	Yes	Yes	Yes	cristina.cotet@uefiscdi.ro
Slovakia	SAS	Yes	Yes	0.12	1	Max. 120 K€ per project	Yes	Yes	No	panisova@up.upsav.sk
Spain	AEI	Yes	Yes	0.66	4-6	Max. 150 K€ per project	No	No	No	era-ict@aei.gob.es
Sweden	VR	Yes	No	0.42	2	Max. 280 K€ per project	Recommended	Yes	No	camilla.grunditz@vr.se
Switzerland	SNSF	Yes	Yes	1.00	3-5	No	Yes	Yes	Yes	chistera@snf.ch
Turkey	TÜBİTAK	Yes	Yes	1.00	6	Max. 150 K€ per project (foreseen)	Yes	Yes	Yes	ncpfet@tubitak.gov.tr
United Kingdom	UKRI	Yes	No	1.00	3	Max. 350 K€ (80% UKRI contribution) per project	No	No	No	maryam.crabbe-mann@epsrc.ukri.org

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 the CHIST-ERA eligibility criteria;
- Each partner meets the corresponding national/regional eligibility criteria (the coordinator is strongly encouraged to check it with her/his partners sufficiently in advance).

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

The consortia coordinators shall make sure that all partners who are required to contact their respective funding organisation, do so prior to the submission of the proposal.

Submitting the Proposal

The call follows a two-stage submission and evaluation procedure. First, a short proposal (max. 10 pages) is submitted and evaluated by a joint international evaluation panel that is set up specifically for each topic. If the short proposal is selected, the consortium is invited to submit a full proposal (typically 25 to 35 pages).

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

At both stages of the application, the coordinator prepares a joint proposal (short 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 call 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 overview table and the national/regional annex).

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 Procedure

Evaluation

The Call Secretariat and the national/regional funding organisations check the proposals against the CHIST-ERA as well as the national/regional eligibility criteria.

The evaluation relies on an international evaluation panel (one per topic) of experts, assisted by external reviewers (at stage 2 only). On the basis of the ranking established by the panel, the top ranked short proposals, representing a cumulated requested funding of about three times the total available budget for the call, are selected by the Call Steering Committee and invited to submit a full proposal. The full proposals are assessed by the evaluation panel with the help of external reviewers.

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

Relevance to the Topic (threshold: 4/5, weight: 1), criterion applies to short proposals only

- *Relevance of the project with respect to the topic description.*

S/T Quality (threshold: 3.5/5, weight: 2), criterion applies to short and full proposals

Scientific and technological excellence:

- *Clarity of long-term vision of a science-enabled technology;*
- *Soundness of the concept, ambition and quality of the proposed research objectives that address this vision, quality of the research method, reproducibility of the results*
- *Range and added value from interdisciplinarity (incl. measures for exchange, cross-fertilisation and synergy), originality and novelty, and potential for non-incremental progress beyond the state-of-the-art;*
- *High risk of the research proposed and plausibility and flexibility of the methodology.*

Impact (threshold: 3.5/5, weight: 2), criterion applies to short and full proposals

The extent to which the outputs of the project would contribute, at the European and/or international level, to:

- *The expected impacts mentioned in the topic description (see pages 6-7);*
- *The transformation of technology and/or society.*

Quality of the proposed measures and plans to:

- *Dissemination and use of project results (incl. data and means to reproduce results) in line with the Open Access to Publications and Research Data principle, and management of intellectual property;*
- *Communicate the project to different target audiences.*

Implementation (threshold: 3/5, weight: 1), criterion applies to short and full proposals

Quality and efficiency of the implementation and management:

- *Quality and effectiveness of the work plan to achieve project objectives and impacts, including appropriateness of allocation of the resources to tasks and partners (incl. justification of requested resources) and of data management;*
- *Appropriateness of the management structure and procedures (incl. risk management);*
- *Quality and added value of the participants (complementarity, coherence of the consortium as a whole, balance of involvement etc.)*

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

Selection

On the basis of the ranking of the full proposals and of available funding, the Call Steering Committee prepares a list of projects recommended for funding to the national/regional funding organisations. For ex-aequo projects, the following additional selection criteria are applied:

- The output of the call, i.e. the overall funding, should be maximised (i.e. for ex-aequo projects, projects with countries with lower funding pressure will be prioritised);
- If possible, each funding organisation funds at least one project;
- The projects involving partners from the Widening Countries should be prioritised.

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 partners 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.

A consortium agreement has to be signed by all partners and sent to CHIST-ERA. As some funding organisations require that the consortium agreement is signed before the grant agreement can be finalised it has to be signed as soon as possible, but no later than three months after the start of a project.

Reporting and Open Access to Publications and Research Data

Consortia must present the status of their project at each yearly event organised by CHIST-ERA. The related costs are eligible and should be included into the presented budget.

Furthermore, the coordinators of funded projects have to submit a scientific report including an up-to-date Data Management Plan on each 12-month period of the project. The reports must be sent to the CHIST-ERA 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 the projects must acknowledge CHIST-ERA, and an electronic copy must be sent to the CHIST-ERA Call Secretariat.

In general, granting open access to publications and research data is encouraged. Applicants can benefit from available support at national/regional level (see p. 9 and annex).

National Annex: Funding Organisation's Contact Points and Regulations

Austria - FFG

Österreichische Forschungsförderungsgesellschaft
Sensengasse 1
1090 Vienna
www.ffg.at

Contact Point

Dr. Ana Almansa
Programme manager
+43 5 77 55 5029
ana.almansa@ffg.at

Dr. Anita Hipfinger
Programme manager
+43 5 7755 5025
anita.hipfinger@ffg.at

Funding Criteria and Regulations

Within this Call, companies of any legal form, institutions of research and knowledge dissemination (such as universities, non-university research institutions, technology transfer institutions, etc.) and other non-commercial institutions are eligible for funding.

All Austrian partners applying to FFG must contact the funding organisation prior to submission (see contact points above). Applications of participants failing to fulfil this requirement will be considered not eligible.

To be eligible for funding by FFG, applications must be in Topic 1- "Explainable machine learning based Artificial Intelligence" and within the research category of "industrial research" (TRL 2 to 4).

For Austrian proposers applying to FFG, the guidelines for transnational cooperative R&D projects (see "[Leitfaden für kooperative F&E Projekte- Transnationale Ausschreibungen](#)"⁷, version 3.1) apply, with following exceptions:

- Due to the low TRL inherent to the topic addressed, and differing from the regulation in the guideline document, the transnational Consortium does not necessarily have to include a company, in order for Austrian participant(s) to be eligible for funding by FFG.

Austrian companies are nevertheless encouraged to apply.

In parallel to the submission of the joint proposal by the coordinator, a simplified national application is to be submitted via the FFG electronic submission system eCall by participants requesting funding by FFG (both in the pre-proposal and in the full proposal stage).

FFG conducts a formal review of all nationally relevant project proposals including the examination of the application formalities, especially the fulfilment of prerequisites specific to the offered funding instruments; reporting on relevant projects previously funded by FFG programmes; examining the financial aspects of the proposal; financial audit of applicants; available funding budget vs. requested budget by individual partners; relevance to the call goals.

The funding rates, applicable rules on eligible costs, link to electronic submission system eCall, relevant deadlines and further relevant information will be available from the FFG at www.ffg.at/chistera as of the date of publication of the Call.

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https://www.ffg.at/sites/default/files/allgemeine_downloads/IL_kooperativueprojekte_v31_transnational_0.pdf

Open Access to Publications and Research Data Policy

Conscious use of R&D data ensures that projects take a well-structured and well-documented approach to their data from the planning stage onwards. Unless competition reasons do not allow it, it is recommended to publish such data. At the same time, all measures to protect privacy need to be taken when dealing with person-related data.

The conscious use of data concerns both the data protection and security, and the open data/open access dimension.

All funded projects are invited to provide a data management plan according to the guidelines of the EU Framework programme Horizon 2020 (*) as an optional annex to the project description.

(*) http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

Austria - FWF

FWF — Der Wissenschaftsfonds
Sensengasse 1
1090 Wien

<http://www.fwf.ac.at/>

Fax: +43 1 505 6739

Contact Point

DI Dr. Christian Maszl-Kantner
+43 1 505 6740 8408
christian.maszl-kantner@fwf.ac.at

Mag. David Miksits
+43 1 505 6740 8410
david.miksits@fwf.ac.at

Funding Criteria and Regulations

Applicants which intend to submit a basic research project have to 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:

https://www.fwf.ac.at/fileadmin/files/Dokumente/Antragstellung/Einzelprojekte/p_application-guidelines.pdf

Please keep in mind the restriction on the number of ongoing projects and the submission of funding applications:

https://www.fwf.ac.at/fileadmin/files/Dokumente/Antragstellung/project_number_limit.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:

- Structured scientific Abstract of the joint project in English
- Application form (incl. signature and stamp of the research institution)
- Programme specific data
- Attachment Co-Authors
- Itemisation and justification of requested funding (only FWF part) in a separate PDF-file
- CVs according to FWF guidelines and a separate list of all published publications of the last five years (peer- and non-peer reviewed)

If existing:

- National research partner form
- Offer for equipment \geq 5000€
- Offer for other costs according to guidelines

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

Open Access to Publications and Research Data Policy

The FWF requires and supports all project leaders and project staff members to make their peer-reviewed publications freely available through the Internet, if they result in full or in part from projects funded by the FWF.

Since May 2019 all funded proposals need to submit a DMP before the start of the project. No funds will be transferred without submitting a DMP.

Details and definitions on OA and OD may be found here: <https://www.fwf.ac.at/en/research-funding/open-access-policy/>

Belgium (Wallonia-Brussels) – F.R.S.-FNRS

Fonds de la Recherche Scientifique - FNRS

Rue d'Egmont 5

B - 1000 Bruxelles

<https://www.frs-fnrs.be>

Contact Point

Dr. Florence Quist

Scientific Officer

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florence.quist@frs-fnrs.be

Joël Groeneveld

Senior Policy Officer

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joel.groeneveld@frs-fnrs.be

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

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

Open Access to Publications and Research Data Policy

The F.R.S.-FNRS supports open access publication. Costs of up to 750 euros per article are eligible. Publications fees related to the “hybrid model” (fees related to the “open access implementation” of articles published in “classical” journals) are not eligible. For more information on the matter, please refer to our specific rule and regulations (https://www.frs-fnrs.be/docs/Reglement_OPEN_ACCESS_EN.pdf).

Belgium (Flanders) - FWO

The Research Foundation - Flanders
Egmontstraat 5
1000 Brussel
België
www.fwo.be

Contact Point

Toon Monbaliu
Advisor Research Affairs
eranet@fwo.be
+32 (0)2 550 15

Funding Criteria and Regulations

Important information

The FWO participates with its '[research projects](#)' funding scheme, which implies the funding of basic/fundamental research (lowest TRLs). However, these ERA-NET projects only have a 36 months runtime and also the budgetary regulations differ; see below.

It is advised to contact the FWO administration, before submission, in order to verify the researchers' eligibility and avoid the ineligibility of the project proposal/consortium as a whole. Additionally, we ask researchers to inform their host institution (research coordination units (DOCs)) about their participation, for administrative purposes. Contact information can be obtained at the FWO contact point for this call.

Who can apply?

In order to be eligible for FWO-funding, researchers have to comply with Articles 10 and 11 of the [research project regulations](#). PI's in this call should have a sufficient 'ZAP position' (Tenured Academic Personnel) and be appointed at an eligible main host institution.

A researcher can be included/participate in maximum two different consortia/projects in this call. Further, no additional limitations are in place, and thus no interference exists when it comes to the 'national projects' and the projects running/applied for under this framework.

What are eligible costs for researchers?

Funding money can be used for staff (temporary; permanent staff cannot be justified on FWO budget), consumables (incl. travelling) and equipment. The minimal and maximal allowed funding amounts per cost category, as applicable for the regular FWO-projects, are not applicable for the projects funded by FWO in ERA-NET.

The maximum amount that can be requested per project is 350.000 EUR, a mandatory 6% overhead cost included. This overhead cost of 6% on the applied for budget needs to be inserted in the overhead category from the budget table and is calculated by applying a 6% structural overhead rate on the direct costs (personnel, consumables, travel, equipment, etc.). The sum of the direct costs and this overhead cost together form the 'total requested budget', which may not exceed 350.000 EUR.

Per international consortium an amount of max. 1x 350.000 EUR is available from FWO, independent of the number of researchers applying for funding at FWO (e.g. collaboration 2 Flemish institutions: PI from institution 'X' (and partner 2 in consortium), co-PI from institution 'Y' (and partner 3 in consortium)). Additionally, it is not allowed that one and the same researcher applies for a part of the budget at different funding authorities (e.g. matching funding) for the same project.

More information about ERA-NET and FWO can be consulted online, on the [FWO-website](#).

Open Access to Publications and Research Data Policy

FWO DMP procedure: <https://www.fwo.be/en/the-fwo/organisation/data-management-plan/>

Open Access: <https://www.fwo.be/en/general-regulations/>

§2 Following the Berlin Declaration of 2003 for the promotion of free access to scientific knowledge and cultural heritage, beneficiaries of FWO fellowships, grants and projects must deposit the publications resulting from the FWO subsidies, in a public "Open Access" database, within one year from the date of publication, in order to effect greater impact and valorisation of their work. Researchers are also advised to publish their other publications in such an "Open Access" database, the so-called "Open Archives", together with the research data that resulted in these publications.

Bulgaria - BNSF

Bulgaria National Science Fund - BNSF
Blvd. Al. Stampolijski 239
Entr. B
Sofia 1309
www.fni.bg

Contact Point

Milena Aleksandrova
Program Coordinator of ERA-NET participation
+359 884 171 363
aleksandrova@mon.bg

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.1, p. 7 of the Higher Education Act;
- 2) Research organizations as defined in Art. 47, para. 1 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/FNI_International_Programs_2017_BG.pdf

The financial plan of the project should comprise "Indirect eligible costs" which include:

- Administrative costs – up to 7 % of the total project cost
- Audit costs – up to 1 % of the total project cost

These costs are required to be included even they are not identified within the general rules of the call announced under the respective international programme.

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>

Open Access to Publications and Research Data

BNSF does not have specific policies concerning OA/OD. The costs related to the publication of the results are eligible.

Czech Republic - TACR

Technology Agency of the Czech Republic
Evropská 1692/37
160 00 Praha 6
Czech Republic
<https://www.tacr.cz>

Contact Point

Michaela Kříklánová
Project Manager
+420 234 611 630
michaela.kriklanova@tacr.cz

Funding Criteria and Regulations

Eligible projects for TA CR

- the project meets the definition of applied research and innovation
- the research results correspond to the national rules and are applicable / exploitable. (*The project proposal has to include a clear description of the exploitation plan and results.*)
- the aim of the project has to be relevant to the overall aim of the funding [EPSILON programme](#)
- the industrial research and experimental development share corresponds to the activities of the Czech partner described in the project proposal
- the applicants are eligible (based on the rules stated below)
- the costs are eligible (based on the rules stated below)
- the requested funding meets the national regulations for aid intensity
- the applicants have published the financial statements for the years 2015, 2016, 2017

Unless the above stated conditions are met, the Czech applicant will not be considered eligible.

Eligible applicants for TACR:

- [Enterprises](#) (according to Annex 1 of [the Regulation](#))
- [Research organizations](#) (according to Article 2 paragraph 83 of [the Regulation](#))
- Enterprises who act as [natural persons](#) according to Annex 1 of [the Regulation](#) engaged in an economic activity pursuant to Act no. 455/1991 coll. on Trades (Trade Act).

TACR excludes the disbursement of individual aid to an enterprise:

- against which a recovery order has been issued which is unpaid
- meeting the definition of an "[enterprise in difficulties](#)"
- which has not met the obligation to publish the financial statements for the years 2015, 2016, 2017 in the respective register - the so-called "Veřejný rejstřík"

Start date of accepted projects

The first possible start date of the project realization for the Czech partner is coincident with the first possible start date for accepted international projects. The costs are eligible from that date, but the aid will not be disbursed before 1st January 2021.

Supported results

Projects that achieve at least one of the following types of results can be supported in this Call. The type of the [result](#) has to be clearly described in the project proposal:

- P - patent;
- G - technically realized results - prototype, functional sample;
- Z - pilot plant, proven technology;

- R - software;
- F - results with legal protection - utility model, industrial design;
- N - Certified methodologies and practices, treatment, conservation methods, procedures and specialized maps with professional expert content;
- O - Miscellaneous

Results not to be recognized by the programme manager as a single result of a given project, but only in combination with at least one other result listed in the list of result types above:

H - results reflected in non-legislative directives and regulations binding within the competence of the respective provider and results reflected in the approved strategic and conceptual documents of the state or public administration.

Budget & eligible costs

Eligible costs are:

- personnel costs (including scholarships)
- subcontracting costs (max. 20% of total eligible costs throughout the whole project period)
- other direct costs (write-offs, protection of intellectual property, operating expenses, travel costs, consumables)
- indirect costs (overheads) - full cost/flat rate 25% (indirect costs in the respective year are calculated as 25% of the sum of the personnel costs and other direct costs in the same year.)

These specific categories of eligible costs are defined under Article 17 of [the General Terms & Conditions](#).

Investment costs are NOT eligible in this joint call.

Funding rates

The aid intensity for each Czech applicant in the project is determined based on the type of entity according to [the Regulation](#) (see table below) and at the same time must not exceed the maximum permissible aid intensity for the Czech part of the project, which is **70 % of the total eligible costs**.

Applicant	Industrial research	Industrial research with a bonus for effective collaboration	Experimental development	Experimental development with a bonus for effective collaboration
Small enterprises*	70 %	80 %***	45 %	60 %
Medium-sized enterprises*	60 %	75 %***	35 %	50 %
Large enterprises	50 %	65 %	25 %	40 %
Research Organisations**	100 %***	100 %***	100 %***	100 %***

* Note: An SME is defined in Annex 1 of the Regulation

** Research organisations must satisfy the definition in the Act and the Framework.

*** While respecting the maximum permissible aid intensity of 70 % per project.

Mandatory forms to be submitted

The Czech applicants are requested to submit:

- [A Sworn statement of the applicant](#);
- Completed "TACR Application Form" Excel file;
- if the applicant plans to achieve the "NmetS" type of result, the "[Confirmation of the Certification authority for NmetS results](#)" needs to be attached
- if the applicant plans to achieve the "Patent" type of result, patent search must be substantiated

All documents proving the eligibility of the Czech applicant (mentioned above) shall be submitted via the TACR data box (TACR data box ID: afth9xp) within the same deadline as the project pre-proposals. Please fill in the subject line as: „Horizon2020 - CHIST ERA IV Call 2019 - prokázání způsobilosti - *akronym projektu*“.

Intellectual Property Rights

The applicants are required to enter into a contract with their foreign partners (sign a so-called *Consortium Agreement*) which will define the conditions of cooperation on the project where, among other things, they specify the method of allocating rights to the research results, as well as adjustment and management of the rights imported or created during the project's implementation, which are necessary to address the project.

Useful documents

- [TACR website](#) (only in Czech)
- [EPSILON programme](#) (only in Czech)
- [Definitions of supported outcomes](#) (only in Czech)
- Funding rules for the Czech applicant for ERA-NET cofund (available on the TACR website)
- The *Guide for the Czech applicants* (available on the TACR website).

Open Access to Publications and Research Data Policy

The TACR enables researchers to license their research outcomes under open access, but the decision whether to choose open access over copyright is made by the beneficiary, TACR has no preferential policy. More information can be found in the General Terms and Conditions

Estonia - ETag

Estonian Research Council
Soola 8
Tartu 51013
<http://www.etag.ee>

Contact Point

Maarja Soonberg
Consultant
Department of International Research Cooperation
+372 731 7387
Maarja.Soonberg@etag.ee

Funding Criteria and Regulations

The Host Institution must be registered and located in Estonia. R&D institutions must conform to the Organisation of Research and Development Act. For enterprises, subsection 3(2) of the Organisation of Research and Development Act does not apply.

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

Detailed requirements are on ETag's [website](#).

Funding commitment: Maximum funding for the CHIST-ERA JTC2019 is 100.000 €. 1 project tentatively envisaged to be funded (If in 1 consortium participates several Estonian research teams, their total maximum funding is 100 000 €).

Open Access to Publications and Research Data Policy

ETag does not have Open Access policy yet, however the researchers are recommended to allow OA whenever possible. ETag does not have Open Research Data policy yet. It is recommended to use OD repositories whenever possible.

Finland - AKA

Academy of Finland
Hakaniemenranta 6, 00530 Helsinki, Finland
<http://www.aka.fi/>
+358 295 33 5000

Contact Point

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Science adviser
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katrine.mahlamaki@aka.fi

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

In addition to their doctorate, the PI must have other significant scientific merits. Usually they are a professor or docent-level researcher. In addition, the applicant must have a close connection with Finland to support the implementation of a multi-year project. 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. 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 Academy of Finland advises that funding recipients as soon as possible after the funding decision has been made agree in writing between all project partners on the rights of ownership and use of the project's research results. At the launch of the project, the partners should also agree on the rights of ownership and use of the materials and data to be used by the project.

More information on the Academy's general conditions and guidelines for funding: <http://aka.fi/en/funding/use-funding/>

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

Engineering: <http://aka.fi/en/research-and-science-policy/research-councils/research-council-policies/policies-of-research-council-for-natural-sciences-and-engineering/>

Open Access to Publications and Research Data Policy

We require that Academy-funded projects see to that the scientific publications in which the project's results are published are open-access, and that the projects' data are made widely available. The degrees of data openness may justifiably vary, ranging from fully open to strictly confidential. More information is provided here: <http://aka.fi/en/funding/apply-for-funding/az-index-of-application-guidelines/open-science/>

France - ANR

Agence Nationale de la Recherche
50 avenue Daumesnil
75012 Paris

Contact Point

Anna Ardizzoni
Project manager
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anna.ardizzoni@anr.fr

Funding Criteria and Regulations

The specific appendix for applicants from France will be available by end November on the website of ANR:
<https://anr.fr/fileadmin/aap/2020/aap-chistera-2020-annexe-fr.pdf>

Open Access to Publications and Research Data Policy

The projects supported by ANR commit to deposit the scientific publications (full text) resulting from the project which they (co-)authored in an open access archive, either at HAL or at a local institutional archive. They are encouraged to opt for an open access scientific journals. And they must provide a Data Management Plan by 6 months after the project start date.

Greece - GSRT

General Secretariat for Research and Technology (GSRT)
International S&T Cooperation Directorate – Bilateral Relations Division
14-18, Messogion Ave.
11527, Athens

Contact Point

Marios KONIARIS
Programme Officer
0030 213 1300094
m.koniaris@gsrt.gr

Funding Criteria and Regulations

Type of RTD

GSRT potentially supports the following types of RTD, namely: Industrial research, experimental development, feasibility studies (COMMISSION REGULATION (EU) No 651/2014 article 25)

Eligible applicants

GSRT potentially supports all private and public applicants, namely:

- Private – SME
- Private – large companies
- Non-profit research organisation
- Higher education institution
- Public research organisation
- Public organisation

Budget

EUR 1.000.000 national funding that comes from structural funds and particularly from Operational Programme for Research, Entrepreneurship and Innovation 2014-2020, Research and Innovation Smart Specialization Strategy (RIS3)

Further specifications

A. 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;

(c) feasibility studies

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 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;

B. The aid intensity for each beneficiary

1. 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)).

2. 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.

(iii) the aid intensity for feasibility studies may be increased by 10 percentage points for medium-sized enterprises and by 20 percentage points for small enterprises

C. Eligible costs as Indirect Costs

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

D. 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).

E. 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 into account the starting date without modifying the scientific or increasing the financial part of the project and the prerequisites of the current Operational Programme 2014-2020 (e.g. closing date for financing the projects in national level).

F. Evaluation

In national level, only eligibility check is conducted and not a full evaluation in stages 1 and 2. We rely on the evaluation of external experts.

Further information regarding the categorization of aid intensity and the eligibility of costs is available at the national guide published at GSRT website (current national call/adjustments may be made in the next national calls).

For any clarifications please contact the NCP.

Open Access to Publications and Research Data Policy

In line with COMMISSION REGULATION (EU) No 651/2014 - "SECTION 4 - Aid for research and development and innovation, Article 25 - Aid for research and development projects", regarding the private sector aid intensities for industrial research and experimental development maybe increased given that the results of the project are widely disseminated through conferences, publication, open access repositories, or free or open source software.

Hungary - NKFIH

National Research, Development and Innovation Office
Kéthy A. tér 1.
1077 Budapest
Hungary

Contact Point

Edina Nemeth
National Contact Point for ICT & FET
+36 70 221 0387
edina.nemeth@nkfi.gov.hu

Funding Criteria and Regulations

The specific call for proposals for applicants from Hungary participating in ERA-NETs is available on the website of NKFIH <https://nkfi.gov.hu/>.

The conditions for the call for ERA-NET COFUNDS (2019-2.1.7-ERA-NET) are applicable. For details see:

<https://nkfi.gov.hu/palyazoknak/nkfi-alap/era-net-ejp-cofund-2019-217-era-net/palyazati-felhivas-2019-217-era-net>

Open Access to Publications and Research Data Policy

Please refer to the national ERA-NET call mentioned above for the open access to publications and research data policy.

Ireland - IRC

The Irish Research Council (IRC)
3 Shelbourne Buildings
Crampton Avenue
Shelbourne Road
Ballsbridge
Dublin 4
D04 C2Y6
www.research.ie

Contact Point

Rose Sweeney
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rsweeney@research.ie

Funding Criteria and Regulations

The grants distributed by the Irish Research Council must be administrated 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). You must contact IRC prior to submission.

Who can apply?

Project Leaders (PL) and Principal Investigators (PI) shall be full-time members of the academic staff, either permanent or on temporary contracts of sufficient duration to cover the period of the proposed project, of a third-level institution within the meaning of Section One of the Higher Education Authority Act, 1971 and/or in receipt of public funding as approved by the Minister for Education and Science for the purposes of the Free Fees Initiative. Applications will also be accepted from permanent members of the academic research staff at the Economic and Social Research Institute (ESRI) and the Dublin Institute for Advanced Studies (DIAS).

Researchers not formally affiliated with an institution recognised by IRC may be part of a consortium but cannot function as formal project leader (PL) or principal investigator (PI).

Eligible costs

Eligible personnel costs for the purpose of the application must be sought at agreed national rates. These are available at: <http://www.iaa.ie/research-innovation/researcher-salary-scales/>

Total personnel costs must not exceed the following limits over the maximum project duration:

- one or more Postgraduate / PhD Candidate(s): maximum eligible costs per person €93,000
- one or more Postdoctoral Fellow(s): maximum eligible costs per person: €160,000
- one or more senior researcher(s): maximum eligible costs per senior researcher (replacement costs) €126,000

Eligible material costs can include:

- Travel & accommodation & meeting costs
- Costs for knowledge exchange
- All joint publication costs (incl. editing and translation costs)
- Other material costs, equipment where justifiable
- Consumables

The cost of institutional overheads may be included at a rate of up to 20% of overall direct costs less equipment.

Please note that applicants must contact the IRC prior to the submission of their proposal.

Open Access to Publications and Research Data Policy

OA - http://research.ie/assets/uploads/2017/05/irc_open_access_policy_final_1.pdf

IRC does not have a current policy, however our Terms & Conditions refers to the need of an open approach for access data. The IRC endorsed the National Open Research Forum statement on open research in Ireland, including certain stipulations of access data.

Resources on Data Management Plans and FAIR Principles:

- [DMPonline](#), including [templates](#)
- [Science Europe \(2018\) Practical Guide to the International Alignment of Research Data Management](#)
- [H2020 Programme \(2016\) Guidelines on FAIR Data Management in Horizon 2020](#)
- [H2020 Programme \(2016\) Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020](#)
- [OpenAire](#) - The OpenAIRE2020 project
- [FAIR data principles FORCE 11](#)
- [ROAR- Registry of Open Access Repositories](#)
- [OpenDoar](#) – Directory of Open Access Repositories
- Registry of Research Data Repositories

Israel - InnovationAuth

National Technological Innovation Authority
Malha Technology Park,
Derech Agudat Sport Sport Hapoel 2, Jerusalem, 9695102, Israel

Contact Point

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Head of Sector ICT and National Contact Point
+972-3-7157916
nir.s@iserd.org.il

Danny Seker
ICT, FET and Secure Societies Director
T. +972-3-5118121
Dan@iserd.org.il

Funding Criteria and Regulations

Eligibility criteria:

- The application and eligibility are subject to the "[Procedure for Financing Israeli Partners by the Israel Innovation Authority under Sub-Programs for the European Framework Program](#)" (the "[Procedure](#)") which will be available online at <https://www.innovationisrael.org.il/> > search for CHIST ERA.
- An applicant will need to choose one of the courses of application:
 - Course 1
 - Course 6
 - Course 7
- Each applicant needs to provide the InnovationAuth a preliminary proposal in a form that may be found at the InnovationAuth site, by the deadline of stage 1 of this call.
- Only applicants that passed InnovationAuth eligibility committee and stage 1 evaluation check will be permitted to pass to stage 2 of the call.
- Applicants that passed to stage 2 will need to provide the InnovationAuth a formal request for the project based on the Procedure, up to 14 days after the closing date of stage 2.
- A single applicant may request a maximum amount of fund based on the course it chose.

Applicants are advised to contact InnovationAuth before submitting applications for this call.

More information will be available online: <https://www.innovationisrael.org.il/> >

Search for CHIST ERA.

Open Access to Publications and Research Data Policy

Israeli proposers are encouraged to shortly describe in their proposal how research data will be used, stored and shared. Israeli proposers are encouraged to allow open access to scientific publications that had been achieved thanks to national and international public funding, in the frame of CHIST-ERA, yet this is not mandatory.

Italy - INFN

Istituto Nazionale di Fisica Nucleare
Via Enrico Fermi 40 - 00044 Frascati (RM)
Italy
<http://home.infn.it/it/>

Contact Point

Dr. Alessia D'Orazio
Project officer
+ 39 051 2095269
alessia.dorazio@bo.infn.it

Funding Criteria and Regulations

Maximum funding per awarded project is 200 K€.

Eligible applicants: Researchers, technologists recruited at INFN Laboratories or Division and associated researchers affiliated to INFN.

Italian applicants (Principal Investigators) on INFN funds are recommended to contact INFN prior to the submission of the proposal for the purpose of checking the national funding terms and conditions.

The document presenting the modalities of participation of the Italian applicants, eligibility of the organisations and eligible costs will be available by middle of October at <http://home.infn.it/it/>

Open Access to Publications and Research Data Policy

INFN has signed the Berlin Declaration (2009) and the Messina Declaration 2.0 (2014) and it's both a partner and Italy's coordinator of the Sponsoring Consortium for Open Access Publishing in Particle Physics (SCOAP3, scoap3.org), in collaboration with CRUI (Conference of Italian Rectors), and participating research institutes and universities.

INFN supports the green road in order to disseminate the research products, making them accessible beyond the publishers' commercial network, in respect of the copyright laws, and supporting the interoperability among academic institutional repositories. Along with self-archiving, INFN will promote a policy of development of Open Access publishing (the gold road).

However, at the moment, INFN doesn't have any specific official policy for OA/OD.

Italy - MIUR

Ministry of Education, Universities and Research
Via Michele Carcani, 61
00153 Rome, Italy

Contact Point

Dr. Giorgio Carpino
Scientific Project Officer
tel.: +39 06 5849 7147
giorgio.carpino@miur.it

Dr. Aldo Covello
Programme Manager
tel.: +39 06 5849 6465
aldo.covello@miur.it

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.

Maximum funding per awarded project

Overall funding commitment for the call: 600.000 €. The funding commitment will be indicatively split evenly between the two call topics.

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

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.

Eligibility of a partner as a beneficiary institution

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.

Any participant, in order to be eligible, must comply with the eligibility criteria listed in the art. 2.4 of the "Linee guida al DM 593/2016".

Eligibility of costs, types and their caps

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 (in terms of costs).

All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Consulting and equivalent services, Consumables and Overheads. Overheads ("Spese generali") shall be calculated as a percentage of the personnel costs and cannot be higher than 50% of them. Travel expenses, dissemination and coordination costs are to be included in the overheads.

The amount of funding which can be granted to each beneficiary is calculated multiplying the eligible costs for the funding rate listed in the following table:

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

On request of applicants a pre-payment may be done. The amount of the pre-payment is defined in the “Avviso integrativo nazionale”. The remaining part of contribute will be paid in instalments after each financial and progress reporting period.

Submission of the pre-proposal at the national level

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://banditransnazionali-miur.cineca.it>

These national additional documents must be submitted by the same deadline established for the pre-proposal phase submission as defined in the international joint call. Any participant who does not submit its national documents by the deadline of the pre-proposal phase will be considered not eligible for funding.

It is strongly recommended to contact the National Contact Persons already in early stage of project preparation.

Submission of the full proposal at the national level

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

Submission of financial and scientific reports at the national level

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.

The criteria and provisions provided herewith are intended only for informative purposes. The complete list of criteria and provisions legally valid, which must be respected by all the Italian participants, is included in the “Avviso integrativo nazionale”, published on the dedicated web page on MIUR website ([http://www.ricercainternazionale.miur.it/era/eranet-cofund-\(h2020\)/CHIST-ERA-iv.aspx](http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/CHIST-ERA-iv.aspx)), and in the applicable Italian laws.

Applicable laws and rules (<http://www.ricercainternazionale.miur.it/evidenza/normativa-prog-internazionali.aspx>):

- Decreto legge n. 83/2012
- Decreto Ministeriale n. 593 del 26 luglio 2016
- Linee guida al D.M. del 26 luglio 2016 n. 593
- Procedure operative per il finanziamento dei progetti internazionali ex art. 18 D.M. del 26 luglio 2016 n. 593

Information available at [http://www.ricercainternazionale.miur.it/era/eranet-cofund-\(h2020\)/CHIST-ERA-iv.aspx](http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/CHIST-ERA-iv.aspx)

Open Access to Publications and Research Data Policy

The level of awareness about OA in Italy is quite diversified. The number of Academic Institutions that have introduced an OA policy is continuously increasing. There is no policy yet, neither at National nor at Institutional

level, addressing research data. The only support for data managed costs is provided by H2020 grants. The Open Access Working Group of the Conference of Italian Rectors is working on the National guidelines for Open access to research data.

Latvia - VIAA

Valsts izglītības attīstības aģentūrā (State Education Development Agency)
Vaļņu street 1,
Rīga, LV-1050, Latvia
<http://viaa.gov.lv/eng/>

Contact Point

Maija Bundule
International Research Programs Unit
+371 67785423
Maija.bundule@viaa.gov.lv

Funding Criteria and Regulations

Who can apply?

Following legal persons (as defined under the Latvian law) are eligible for funding:

- R&D institutions - research institutes, universities, higher education establishments, their institutes and research centres etc.,
- Small and medium enterprises.

R&D institutions (research institutes, universities, higher education establishments, research centres etc.) must be listed in the Register of Research Institutions operated by the Ministry of Education and Science of the Republic of Latvia.

Small and medium enterprises must be registered in the Register of Enterprises of the Republic of Latvia and provide most of its R&D&I activities in the Republic of Latvia.

What types of costs are eligible for funding?

Direct costs:

- Personnel costs,
- Other direct costs such as consumables, equipment (only depreciation costs), materials and etc.,
- Subcontracts (up to 25% of total direct costs),
- Travels costs,
- Project management costs.

Indirect costs (can reach a maximum of 25% of the total direct costs).

Type of research funded

Fundamental research, industrial research and experimental development.

Funding limits for eligible costs

Maximum of 70,000 EUR per project year can be requested by each project participant. Project duration is 24 to 36 months.

National co-financing rate for project shall be determined in accordance with the Commission's Regulation (EC) No 651/2014 of 17 June 2014 declaring certain categories of aid compatible with the common market in application of Articles 87 and 88 of the Treaty (General block exemption Regulation).

Any other information relevant to the joint call

The funding of RTD activities is provided pursuant in accordance with the Law on Research Activity (adopted on 14 April 2005 with amendments) and Regulation of the Council of Ministers of the Republic of Latvia No 259 on the procedure for providing support for participation in international cooperation programs for research and technology (adopted on 26 June 2015).

Separate national application required?

No

Both call topics of the joint call are supported by VIAA

Open Access to Publications and Research Data Policy

VIAA finances and co-finances international research projects and monitors the implementation of these projects, including the principles of data accessibility and publication agreed in concrete project. VIAA does not have its own Open Access policy or Open Research Data policy. Agency complies with the rules established at national and European Union level on these issues.

Lithuania - LMT

Research Council of Lithuania
Gedimino pr. 3
LT-01103 Vilnius
Lithuania
www.lmt.lt

Contact Point

Mrs. Laura Kostelnickienė
International Programmes Unit
+370 676 17398
laura.kostelnickiene@lmt.lt

Funding Criteria and Regulations

General information

Lithuanian applicants are recommended to read:

- National rules ([here](#)) which are an integral part of the call text below,
- National eligibility criteria ([here](#)).

Eligible applicant

Lithuanian higher education and research institution* with Investigator (-s).

The applicant who intends to act as a principal investigator (PI) has to be a scientist (researcher holding at least a Ph.D. degree) and is allowed to apply one proposal per call.

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

Eligible costs

Direct costs:

- Personnel,
- Subcontracting (services and copyright works),
- Consumables,
- Travel and Subsistence,
- Equipment,
- Other.

Overheads: up to 30% of Personnel and Subcontracting costs.

The workload of the project implementers (PI and PII) of the Lithuanian team must be at least 20 hours multiplied by the duration of the project in months.

The maximum amount that can be requested to the LMT is 100.000 EUR for up to 3 years, and per project.

Open Access to Publications and Research Data Policy

According to open access provisions of the European Union research and innovation program Horizon 2020, LMT has developed Guidelines for Open Access to Science Publications and Data (Order VIII-2 of 29-02-2016). The purpose of the guidelines is to provide the general principles for open access to scientific publications and data obtained from public funds to Lithuanian research and higher education institutions and researchers carrying out research and dissemination projects.

*definition in [national rules](#)

Luxembourg - FNR

FNR

Luxembourg National Research Fund,
Avenue de l'Université, 4365 Esch-sur-Alzette
L-1017 Luxembourg
<https://www.fnr.lu/>

Contact Point

Dr. Helena Burg
Head of International Relations
+352 26192555
Helena.burg@fnr.lu

Sandra Nittel
Administrative Assistant
+352 26192522
Sandra.nittel@fnr.lu

Funding Criteria and Regulations

Project duration: The maximum amount of requested funding per project is 350.000 EUR for a total period of three years. If the project involves the recruitment of a PhD student, the PhD candidate could be supported for up to four years (see [FNR INTER guidelines](#)).

Eligibility of the proposal and applying candidates: All eligibility rules and criteria can be found in the [FNR INTER guidelines](#). As a specific rule for this CHIST-ERA call, Luxembourg PIs are limited to submit one proposal per Luxembourg PI.

Forms to be submitted

Proposals must be submitted by the coordinating institutions' administrations (not by the PI) in electronic format to the online submission system ([FNR Grant Management System](#)) the latest 5 days after the deadline as the consortium application is submitted. Please select the "INTER" – "CHIST-ERA" funding instrument when creating the administrative application. The [FNR INTER guidelines](#) provide details about the basic administrative data and the documents to be provided.

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 FNR.

General rules and regulations of FNR apply: <https://www.fnr.lu/fnr-beneficiaries/how-we-fund-research/>

Open Access to Publications and Research Data

The FNR attaches great importance to the impact of research outputs on science, industry, policy making and society in general. To maximise the possibilities for impact of research outputs, results from FNR-(co)funded research are expected to be disseminated via high-quality, peer-reviewed publications that are made freely available ([FNR Policy on Open Access](#)).

As of 1 January 2017, costs for project related publications can be refunded through the FNR's "Open Access Fund". This does not apply to conference proceedings, PhD theses, book chapters and scientific monographs, although the FNR recommends Open Access publishing whenever possible. Please refer to the [Open Access Fund guidelines](#) for details.

Poland - NCN

Narodowe Centrum Nauki
ul. Twardowskiego 16
30-312 Kraków
Poland
<https://ncn.gov.pl/?language=en>

Contact Point

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Coordinator for Physical Sciences and Engineering
+48 12 3419164
anna.wieczorek@ncn.gov.pl

Mrs. Alicja Dyląg
Senior International Cooperation Officer
+48 12 3419069
alicja.dylag@ncn.gov.pl

Funding Criteria and Regulations

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: [UNISONO](#).

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

- Personnel costs;
- 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 = 4,2937 PLN

Please note:

- 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: [UNISONO](#).
- At the short proposal stage Polish applicants are not required to send any additional documents to the NCN.

Up to 7 days from the full proposal stage deadline Polish applicants must submit their national applications in the ZSUN/OSF submission system. The application will include a budget that should be calculated according to the Annex to NCN Council's Resolution on funding granted within calls for proposals for international research projects (UNISONO).

- If one international project includes partners from two or more different Polish institutions, these institutions apply as a group of entities. Each entity within the group has a separate budget, but the limit on the remuneration applies to the group as a whole (please see [UNISONO](#)). Please note that groups of entities have higher limits on the remuneration.
- 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.
- Information about Personal Data Processing at NCN is available under the following link: <https://ncn.gov.pl/dane-osobowe?language=en>

Open Access to Publications and Research Data Policy

- It's obligatory to attach a DMP to the national application to NCN in parallel to the full proposal submitted on the international level.
- The guidelines for Polish applicants on how to prepare the DMP:

https://ncn.gov.pl/sites/default/files/pliki/regulaminy/wytyczne_zarzadzanie_danymi_ang.pdf

If a Polish applicant submits an application in an international competition organized by the NCN in multilateral cooperation, regardless of whether they need to submit a data management plan at international level, they still have to complete it in the NCN application form submitted nationally. The content of the plan applies only to research data that will be created or will be reused during the implementation of the project by the Polish research team (not the whole international project consortium).

Portugal - FCT

Fundação para a Ciência e a tecnologia
Av. D. Carlos I, 126
1249-074 Lisboa
Portugal
<https://fct.pt>

Contact Point

Mario Amaral
Science Officer
+351 213 911 597
Mario.Amaral@fct.pt

Funding Criteria and Regulations

Max. project duration: Proposed projects may last up to 36 months

Max. funding per project : 100 k€ per project

Institutional eligibility criteria: As in the national projects:

- Academic partners up to 100%
- Industrial partners up to 50%

Funding Criteria and Regulations:

<https://www.fct.pt/apoios/projectos/regulamentofundosnacionais.phtml.pt>

Additional information: Portuguese teams need to send a filled in Statement of Commitment (downloaded at FCT's website) to the FCT National Contact Point.

Portuguese applicants can only submit one application as Principal Investigator.

Open Access to Publications and Research Data Policy

FCT believes that the results of scientific research should be widely disseminated and freely available.

The benefits of Open Access are widely accepted and promoted by researchers, universities, international organisations and a host of public research agencies. Open access impacts on research directly, allowing its widespread dissemination and fostering interdisciplinary development. It also acts indirectly, at a socio-economic level, by giving professionals from different subject areas, from industry, and other stakeholders' easy access to scientific research.

Portugal's forward thinking approach on Open Access is widely acknowledged across Europe. Its open access repository infrastructure, Repositório Científico de Acesso Aberto de Portugal (RCAAP) has played a crucial role not only in increasing the visibility of Portuguese universities on the internet, but also in the rapid development and spread of Open Access repositories within several academic institutions.

The core of the policy on open access to publications arising from FCT-funded research is that all publications of research outputs, subject to peer-review or another form of scientific review, should be deposited in one of the open access repositories hosted within RCAAP as soon as possible, preferably immediately on acceptance for publication. An embargo period is allowed, after which the full content of the publications should be made freely available, at no cost. The policy applies to papers in scientific journals, conference proceedings, posters, books and book chapters, monographs, Masters and PhD theses. FCT funding encompasses project grants, studentships and fellowships, career development contracts (FCT Investigator).

The policy on management and sharing of data and other results arising from FCT-funded research encourages researchers to share primary data and other data with the scientific community, by placing the data in open access databases (such as Genbank, for example), within the shortest time possible. In this case, too, FCT funding encompasses project grants, studentships and fellowships, career development contracts (FCT Investigator).

For more information on Open Access and Open Science in Portugal, please check FCT's Open Access webpages at <https://www.fct.pt/acessoaberto/index.phtml.en> or the national Open Science website at <https://www.ciencia-aberta.pt/home>

Québec (Canada) - FRQNT

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/accueil>

Contact Point

Ms. Laurence Martin Gosselin
Program Manager and International Partnerships
(418) 643-8560, extension 3455
Laurence.martingosselin@frq.gouv.qc.ca

Funding Criteria and Regulations

Prior contact with the FRQNT

Applying candidates have to submit their requested funding, in the [budget form](#), for their part in the project, at programmes.internationaux@frq.gouv.qc.ca, before the relevant CHIST-ERA deadlines. The FRQNT considers the budget form as part of the proposal. Refer to the form, for the specific budget rules.

Eligibility of the applying candidates

An eligible candidate is a university researcher or a college researcher.

A university researcher is a person who:

- a) receives a salary:
 - i. as a regular professor or a contracted professor, in a university recognized by the FRQ to manage funding,
 - ii. as a full-time researcher, with a PhD., in a university-affiliated CIUSSS, CISSS or other public institution within the health and social services network that is recognized by the FRQ to manage funding;

AND

- b) is affiliated with a Québec university in which he/she is qualified to act as the sole supervisor of graduate students¹ and independently lead research projects. The following individuals also qualify for university researcher status.

Individuals at the beginning of their career who meet criteria a) and hold a position that will enable them to meet criterion b) pending the end of administrative processes and delays also qualifies as university researcher

A college researcher is a person who has a PhD and who is employed in the equivalent of a full-time position in one or several college-level training institutions recognized by the FRQ to manage funding or Québec college centres for technology transfer (CCTT).

A college researcher must also possess the professional autonomy required to supervise research projects and hold:

- i. a position as a college-level training institution professor, OR
- ii. a position as a CCTT researcher, OR
- iii. a position in a college-level training institution in which at least 75% of their time is dedicated to research activities.

The following individuals are not eligible:

Individuals who seem to meet the criteria's above and who are retired.

Individuals who are currently receiving funding by the FRQNT for a research project related to CHIST-ERA.

Maximum of requested funding

The maximum amount that can be requested to the FRQNT is 65 000€ per year, for up to 3 years, and per project. If the institution is eligible to receive indirect cost of research, as described in section 8.2 of the *FRQ Common*

General Rules, they will be added to the amount.

A researcher can receive funding from the FRQNT for only one project in the CHIST-ERA calls. It is allowed for a researcher to submit more than one proposal to CHIST-ERA, if he or she won't jeopardize his or her consortium knowing this single funded project rule.

All amounts will be granted in Canadian currency according to the exchange rates of the date the FRQNT sends the award letter to the candidate. Take notes that this date can be a few days after the CHIST-ERA program announces the general results.

Applicable policies

Candidates and funding holders have to comply with the [FRQ Common General Rules](#), with research ethics policies applicable to their project, with the [Politique de diffusion en libre accès des Fonds de recherche du Québec](#), as well as with the [FRQ Policy on Responsible conduct of research](#).

Only the candidates in a founded project will have to create a portfolio on the FRQnet and fulfil the appropriate form. The candidates will have to fill an "Undertaking and Acknowledgement" before receiving the FRQNT funds. These candidates will be contacted by the FRQNT, at appropriate times.

Romania - UEFISCDI

Executive Agency for Higher Education, Research, Development and Innovation Funding
21-25 Mendeleev Str., sector 1
010362 Bucharest
Romania
Fax: +40 21 311 59 92
www.uefiscdi.gov.ro

Contact Point

Domnica Cotet
Expert
+40 21 302 38 80
domnica.cotet@uefiscdi.ro

Cristina Laura Cotet
Expert
+40 21 302 38 84
cristina.cotet@uefiscdi.ro

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 2019.

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.

Open Access to Publications and Research Data

UEFISCDI gives reimbursement (through funded projects) of taxes payed for open access. UEFISCDI is hub for the open air project and is carrying out a national policy for open access policy for a national level.

Slovakia - SAS

Slovak Academy of Sciences
Štefánikova 49
814 38 Bratislava
Slovak Republic
http://www.sav.sk/?&lang_change=en

Contact Point

Zuzana Panisová
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Funding Criteria and Regulations

Funding programme

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

Funding and project duration

The maximum amount of requested funding per project can be up to 120.000EUR for a total period of 36 months. SAS applicants can participate in both topics of the Call 2019.

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 centres (universities and/or other organisations from Slovakia) have to cover the project costs from their own sources SAS requires Letter of Commitment, template available here https://www.sav.sk/index.php?lang=sk&doc=intranet-messages&news_no=8559. In addition to this, the teams outside of SAS can be self-financed consortium members but not the coordinator of the consortium. Participation of SAS Early Career Researchers (ECR) is strongly recommended.

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 project consortium (ERA.Nets)

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

Information about SAS financial rules also available at following link

https://www.sav.sk/index.php?lang=sk&doc=services-news&source_no=25&news_no=7569

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

According to the Resolution of SAS Presidium No. 538, SAS participants are requested to submit “Declaration to Participate in CHIST ERA Call 2019” within the deadline for submission of the project short proposals. For further details, please contact panisova@up.upsav.sk. The form will be provided upon request.

SAS 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 Call Steering Committee. SAS 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.

All Slovak partners must contact NCP prior to pre proposal submission.

Open Access to Publications and Research Data

SAS does not have specific policies concerning OA/OD. The costs related to the publication of the results are eligible.

Spain - AEI

Agencia Estatal de Investigación
Subdivisión de Programas Científico - Técnicos Transversales, Fortalecimiento y Excelencia
c/Torrelaguna, 58 bis – planta 6ª
20827 Madrid
+34 916037990

Contact Point

Administrative and technical issues:
Watsé Castelein
+34 9160 38876
era-ict@aei.gob.es

Scientific issues:
Dr. Carles Cané

Representative:
Beatriz Gómez Miguel

Funding Criteria and Regulations

Funding programme

Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, [Plan Estatal de Investigación Científica y Técnica y de Innovación 2017-2020](#)

The instrument for funding the Spanish groups will be the national Call on International Joint Programming (*Programación Conjunta Internacional*) or equivalent. Only as a reference, the beneficiaries are advised to read the call [PCI 2019](#).

The Spanish legal entities granted are obliged by the regulations established in the corresponding PCI call and by the funding limit specified below.

Call will be managed by the [Subdivisión de Programas Científico-Técnicos Transversales, Fortalecimiento y Excelencia](#).

Purpose of funding

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

Funding commitment

Maximum funding for the CHIST-ERA call 2019: 660.000 €.

Eligible criteria

The eligible entities for AEI funding are:

Non-profit research organisations according to the respective PCI call (*Programación Conjunta Internacional*).

Although private enterprises will not be funded through the PCI Call, the Spanish industrial sector is welcome to participate in the transnational consortia using their own funds.

Applicants are obliged by the regulations of this transnational call and those in the PCI call. As a reference, the beneficiaries are advised to read the call [PCI 2019](#).

Additional eligibility criteria

Mandatory:

The Principal Investigators applying for funding to the AEI must have experience as investigators in projects funded by the *Plan Estatal I+D+i 2013-2016*, the *Plan Estatal I+D+i 2017-2020*, ERC Grants, European Framework Programmes or other relevant international programmes.

Incompatibilities:

- Principal Investigators are not allowed to apply for funding in more than one proposal of the CHIST-ERA call 2019.
- Principal Investigators are not allowed to apply for funding in more than one proposal in the same PCI call.

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- Principal Investigators are not allowed to be funded in two PCI calls in consecutive years. This must be taken into account when participating in different ERA-Nets or other international initiatives.
 - Principal Investigators must remain unchanged between the proposal to this transnational call and the National PCI call.

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

Eligible costs

- Personnel costs for temporary employment contracts (scholarships 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) are not eligible for funding in the PCI call.

Funding rates

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

- Maximum amount of funding per partner: € 150.000 for a 3 year project,
- € 50.000 in addition if the project is coordinated by Spain.
- Maximum amount of funding per proposal: € 200.000 (two or more Spanish partners*), € 50.000 in addition if the project is coordinated by Spain.

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.

Mandatory acknowledgement

Any publication or dissemination activity resulting from the granted projects must acknowledge the AEI: "Project (reference nº XX) funded by the AEI through the respective PCI call.

Open Access and Open Data policy

Applicants should comply with Open Access/Open Data specified in the respective PCI call. The results of the funded research actions, including both the results disseminated through scientific publications and the data generated in the research, must be available in open access, with the exceptions indicated in the PCI call.

Sweden - VR

The Swedish Research Council (VR)
Box 1035
SE-101 38 Stockholm
Sweden
www.vr.se

Contact Point

Camilla Grunditz
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+46 765 267 155
camilla.grunditz@vr.se

Funding Criteria and Regulations

In general

1. VR funds Swedish partners only within Topic 1 'Explainable Machine Learning-based Artificial Intelligence'.
2. VR funds basic research of the highest scientific quality, and promotes research collaboration and the exchange of experience.
3. Only legal persons are eligible as partners; natural persons are not allowed.
4. The investigators need to hold a PhD at the time of application.
5. The grants distributed by VR must be administrated by a Swedish university, higher education institution (HEI) or other public organisation that fulfils the Swedish Research Councils criteria for an administrating organisation: <https://vr.se/english/calls-and-decisions/apply-for-a-grant/who-can-apply.html>
6. No funding of industrial partners.
7. A researcher may only apply for funds from VR in **one** application in the CHIST-ERA call 2019.

Limits on amount which may be requested

The maximum amount to request is 280 000 € in total per project for Swedish researchers. The minimum amount to request per year is 400 000 SEK (approx. 37 000 €).

Project duration

2-3 years

Eligible costs

The grant can be used to cover any type of project-related costs, for example salaries (including your own salary, corresponding to your level of activity in the project), travel (including visits to, and stays at, research facilities), publication costs, minor equipment and depreciations, etc. The grant may not be used for scholarships. If the project involves a doctoral student, project funding may not be used to pay salary for the time the doctoral student is teaching.

Additional forms

All Swedish project leaders participating in the call for support from VR shall also submit a parallel application using VR's application system Prisma. The application form in Prisma can be reached from the call text at the VR website. Both the short proposal and full proposal must be submitted at national level. Deadlines for the calls in Prisma is 19 February 2020 at 14.00 and 30 June 2020 at 14.00, respectively.

Parallel application is a mandatory eligibility criterion. Failure to submit the parallel application to the Swedish Research Council before the deadline of the Prisma call will result in the Swedish partner being declared ineligible.

National call text: <https://www.vr.se/5.6ddf7c016d72e2a2df871.html>

Contact prior to submission

Swedish applicants are recommended to communicate with the national contact person regarding their intention to participate in the call, before submission of the consortium application.

Submission of financial and scientific reports at the national level

Financial and scientific reporting should be submitted in accordance with the regulations established in the corresponding national call.

Open Access to Publications and Research Data

The articles you include when reporting on a grant from the Swedish Research Council must be published with open access, <https://www.vr.se/english/calls-and-decisions/grant-terms-and-conditions/publishing-open-access.html>.

Switzerland - SNSF

Swiss National Science Foundation
Division II – Mathematical, Natural and Engineering Sciences
Wildhainweg 3
P.O. Box 8232
CH-3001 Berne
<http://www.snf.ch>

Contact Point

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chistera@snf.ch

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 are encouraged to contact the National Contact Point.

Partners of the international project consortium applying for funding at other funding agencies than 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, cl. a, 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 [mySNF](#) for the same deadline as the consortium application is submitted. Please select the “Programmes/ERA-NET: Pre-proposal” funding instrument when creating the 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* and should be referred to in the section “Relation to pre-proposal” of the full proposal

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

Open Access to Publications and Research Data

Since October 2018, any publication based on research funded by the SNSF must be published in Open Access, with the possibility of adopting the Green Road (maximum embargo of 6 months for articles and 12 months for books/book chapters). The SNSF covers the costs for publishing in Open Access through a dedicated platform. Further details can be found at <http://www.snf.ch/en/theSNSF/research-policies/open-access/Pages/default.aspx>.

Since 2017 all funded proposals need to submit a DMP before the start of the project. In particular, research data is expected to be archived on FAIR data repositories. No funds will be transferred without submitting a consistent DMP. Further details can be found at http://www.snf.ch/en/theSNSF/research-policies/open_research_data/Pages/default.aspx.

Turkey - TÜBİTAK

TÜBİTAK

EU Framework Programmes Division

Tunus Cad. No:80 Kavaklıdere

06100 ANKARA

www.h2020.org.tr

<http://www.tubitak.gov.tr>

Contact Point

Serkan ÜÇER

Scientific Officer

+90 312 298 17 87

ncpfet@tubitak.gov.tr

Funding Criteria and Regulations

Selected proposals will be funded under:

TÜBİTAK 1071: Support Programme for Increasing Capacity to Benefit from International Research Funds and Participation in International R&D Cooperation

http://www.tubitak.gov.tr/sites/default/files/242bk-ek2_0.pdf

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 within a week after the deadline of international submissions. The application procedure is published on the webpage: <https://ufuk2020.org.tr/tr/haberler/chist-era-era-net-projesi-2019-yili-cagrisi-acildi>

It is strongly recommended to contact NCP (Serkan ÜÇER) before the submitting the proposal.

Open Access to Publications and Research Data

The management, storage, archiving, compilation and digital preservation of the publications and research data produced by the projects carried out or supported by TÜBİTAK constitute the framework of TÜBİTAK Open Science Policy.

The Green Road Open Access requirement has been adopted with the agreement of the Open Science Policy and it has been deemed appropriate to implement the policy to pilot programs in 2019 and to all support programs in 2020.

TÜBİTAK is committed to providing continuous open access to scientific publications and research data. For this purpose, the publications produced from the projects supported by TÜBİTAK must be uploaded to TÜBİTAK Open Archive that provides service under the name Aperta (<https://aperta.ulakbim.gov.tr/>). It is recommended that the research data of these publications should be open access.

TÜBİTAK has prepared the “Research Data Training Portal” (<https://acikveri.ulakbim.gov.tr/>) where sample data management plans are shared to assist the researchers in data management and sharing.

Kindly refer to TÜBİTAK Open Science Policy [[PDF](#)] for details.

United Kingdom - UKRI

United Kingdom Research and Innovation
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<https://www.epsrc.ukri.org>

Contact Point

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Funding Criteria and Regulations

For UK applicants, the standard UKRI eligibility criteria apply. See the Funding guide on the EPSRC website:
<https://epsrc.ukri.org/funding/applicationprocess/fundingguide/>

Only Research organisations that can apply to UKRI (excluding Innovate UK), are eligible to apply.

The maximum amount that can be requested from the UK on one project is €350.000. This is the 80% value that can be requested from EPSRC and should be included as 'requested funding'.

PhD studentships cannot be included.

Open Access to Publications and Research Data

Open Access:

The UKRI Policy on Open Access aims to achieve immediate, unrestricted, on-line access to peer-reviewed and published research papers, free of any access charge. Our vision is for all users to be able to read published research papers in an electronic format and to search for and re-use (including download) the content of published research papers, both manually and using automated tools (such as those for text and data mining), provided that any such re-use is subject to full and proper attribution.

From 1st April 2013 the payment of Access Publication Charges and other publication charges related to Research Council-funded research are supported through UKRI Open access block grants provided to eligible research organisations. APCs and other publication charges relating to peer-reviewed research papers can no longer be included within research grant applications.

See <https://www.ukri.org/funding/information-for-award-holders/open-access/open-access-policy/> for a summary and <https://www.ukri.org/files/legacy/documents/rcukopenaccesspolicy-pdf/> for full details

Open Data:

UKRI is strongly committed to opening up research data for scrutiny and reuse, to enable high-quality research, drive innovation and increase public trust in research.

UKRI supports the principles in the Concordat on Open Research Data (<https://www.ukri.org/files/legacy/documents/concordatonopenresearchdata-pdf/>) that recognise that research data should wherever possible be made openly available for use by others in a manner consistent with relevant legal, ethical, disciplinary and regulatory frameworks and norms, and with due regard to the cost involved.

The Concordat was developed by a UK multi-stakeholder group to provide expectations of best practice reflecting the needs of the research community.