



CHIST-ERA Call 2020

Information Webinar #2

February 22, Online

Contact: chistera@anr.fr





Outline

- □ CHIST-ERA and Call 2020 key features
- Proposal preparation recommendations
- How to submit your proposal



CHIST-ERA and Call 2020 Key Features

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CHIST-ERA Overview

A network (ERA-NET) of research funding organisations in Europe and beyond

✓ Covering most European countries

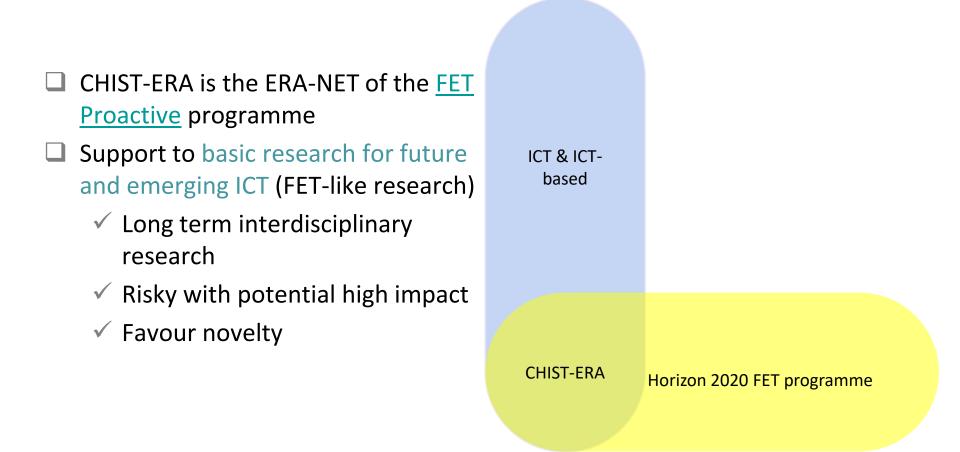
Supporting long term research targeting future and emerging digital technologies

- ✓ Investing in the identification and definition of promising topics
- ✓ Supporting 2 topics per year
 - Typically 10-15 projects of approx. 1 M€ each, involving at least 3 countries each
- Encouraging Open Science and research results exploitation
- Relying on a well-established yearly call cycle
 - ✓ High quality evaluation process

Fostering cross-fertilisation across topics and strategic thinking through a yearly Funded Projects Seminar



Targeted Research Smarter, Safer, Leaner... ICT



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Advanced Brain-Computer Interfaces for Novel Interactions (1/2)

Target Outcomes

- Focus on user experience: In order to push BCIs out of the laboratory, the experience of the user needs to be met. Co-creating with end-users could increase intuitiveness, user training and comfort
- Low power wearables: Increasing complexity means increased power consumption. This trade off needs to be carefully managed with efficiency and sustainability considered
- Better signal processing; improving the signal to noise ratio. Ensuring only relevant and reliable signals are captured. These signals should be clear and easily discernible from noise. Weak signal quality can be countered with better signal processing, especially where non-invasive modalities are used
- Acquisition of large datasets: In order to use Artificial Intelligence to develop better algorithms
- Applicants should also consider the following:
- □ Patient/public citizen engagement in order to improve the acceptability of BCIs
- Interdisciplinary approach, i.e. involving clinicians in clinical relevant BCI development, or working with digital signal processing engineers to improve the robustness of signals

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Advanced Brain-Computer Interfaces for Novel Interactions (2/2)

Expected Impacts

- New BCI paradigms that allow for ambitiously novel, intuitive, real or virtual interactions; Modelling of inter/intra-variability of subject response to BCI; Improved acceptability of BCIs alongside efficiency; Multi modal methodologies for augmented accuracy and usability
- Openly shared data, in particular large datasets, in order to unify/standardise protocols and help build momentum beyond the project consortia. Promoted reusability of datasets and addressed privacy issues
- 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



Towards Sustainable ICT

Target Outcomes

- Reduction of e-waste through the use of organic materials and moving away from rare earth metals
- □ Wireless power management and optimising wireless networks
- □ Improved the efficiency of mmWave technologies
- Improvements to the modelling of power consumption with links to AI
- Recyclable components, modular devices and extended lifetimes designed for disassembly and repairability
- Consideration of both energy and natural resources consumption



Towards Sustainable ICT

Expected Impact

- Novel sustainable device manufacturing paradigms; Power consumption not only related to devices but their manufacturing, data traffic and power used to dispose of the device; Increased computing power without increased power consumption
- R&I stakeholders and end users awareness of the ICT footprint (energy, resources, carbon, e-waste) to foster sustainable ICT; Influence and unified policies on sustainable ICT
- Cross traditional boundaries between disciplines in order to strengthen the community involved in tackling these new challenges. A broad range of disciplines needed to cover the breadth of this topic should be considered and could include expertise and skills in ICT, material, energy, behaviour modelling, sustainability policies, among others
- 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



Call 2020 Evaluation: WHO will Evaluate your Proposal?

- Evaluation panel consists of sufficient number of high-level experts from different fields within the call topic
 - Some of them with specific knowledge on Open Science and on technology transfer
- Composition of the evaluation panel is prepared by the Call Secretariat and approved by CHIST-ERA funders in the call
 - Scientists participating in the proposals *cannot* be members of the evaluation panel or evaluate proposals as external reviewers
- Each proposal will be evaluated by 3 panel members
 - *External reviewers* at least 2 for each proposal
- Evaluation panel is established for each topic → 2 separate panels evaluate proposals → Thus 2 ranking lists are elaborated, one per topic
- The list of the panel members will be made public on CHIST-ERA website after the funding recommendation is issued

Call 2020 Evaluation:chist-eraHOW will your Proposal be Evaluated?

Evaluation criteria – for full description see Call 2020 Announcement

- **Relevance to the Topic** (threshold: 4/5, weight: 1)
- **Scientific and Technological Quality** (threshold: 3.5/5, weight: 2)
- Impact (threshold: 3.5/5, weight: 2)
- Implementation (threshold: 3/5, weight: 1)

Evaluation scores can range from 0 to 5.



Call 2020: Selection of Proposals

- On the basis of the ranking of the proposals and of available funding, the Call Steering Committee prepares a list of projects recommended for funding to the national/regional funding organisations
- Call Steering Committee (CSC) follows the ranking list and makes efforts to fund as many projects as possible
 - ✓ If not all ex-aequo projects can be funded, the following options are considered
 - Budget of the respective funder(s) can be increased
 - Budget cut in requested funding (manageable up to 10%)
- If the budget is unsufficient to fund all *ex aequo* projects among rank N, CSC will select projects using the following criteria:
 - ✓ The output of the call, i.e. the overall funding, should be maximised (e.g. by prioritising the projects with high presence of under-represented countries and vice-versa)
 - ✓ If possible each funding organisation funds at least one project
 - Projects involving partners from Widening Countries are prioritised

Call 2020 Timeline:chist-eraWHEN will your Proposal be Evaluated?

Tentative timeline



Spring 2021 Proposals evaluation by Evaluation panel and external reviewers July 2021 Notification of accepted proposals and feedback sent to applicants

October 2021 First possible start date for accepted projects

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Call 2020 Feedback: WHICH Feedback will you Receive?

- Notification of selection decision
 - ✓ Proposal below quality threshold, or
 - ✓ Proposal above quality threshold but not selected due to lack of funding, or
 - ✓ Proposal selected
- Review feedback
 - ✓ A consensus report summarising the panel's view on the proposal and funding recommendation to CHIST-ERA is sent to the project coordinator
 - Subsequently report is distributed to all partners by project coordinator
- List of selected projects is published on CHIST-ERA webpage
- If the proposal is selected for funding, contractual negotiation phase is launched with respective funding organisations involved in the project



Widening Countries: Definition and Motivation

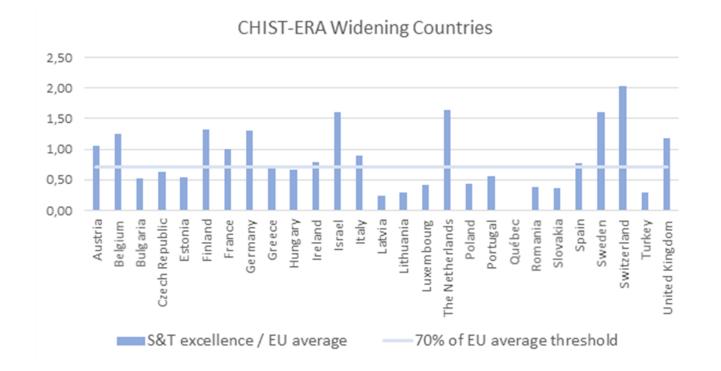
- Widening Countries: List of low performing countries in R&I established by the EC
- Motivation -> Spread excellence
 - CHIST-ERA, as a funding instrument of collaborative projects following competition, can be instrumental
 - In opening well established non-Widening Countries research networks to most talented researchers in the Widening Countries
 - Conversely, broader engagement of the Widening Countries research communities has the capacity to enrich the European scientific and technology landscape with varied perspectives and scientific and technology challenges to tackle

CHIST-ERA support:

- A call selection criterion that prioritises projects with Widening Countries in case of ex aequo projects
- ✓ Partner Search Tool



CHIST-ERA Widening Countries



Widening Countries in Call 2020: Bulgaria, Czech Republic, Hungary, Latvia, Lithuania, Luxembourg, Poland, Romania, Slovakia and Turkey



Why Open Access?

- Scientific transparency
- Reproducibility
- Visibility and democratisation of research
- Triplicating payment of the same research
 - ✓ Researchers
 - ✓ Publications
 - ✓ Access to publications/data

C Open Science Opportunities in Call 2020 chist-era

Good practices of the research community supported

- ✓ Commitment of Open Access within Call 2020
 - Publications in Open Access (Green or Gold routes)
 - Underlying data FAIRly open* in archives
 - No embargo
- ✓ Data Management Plan (DMP) for accepted projects
 - Within 3 months of project start
 - Update on a yearly basis
 - Sharing data on FAIR-enabling data repositories

Open Science Coordinator: New role for projects

- Planning of Open Science (activities, costs)
- Monitoring throughout the project lifetime

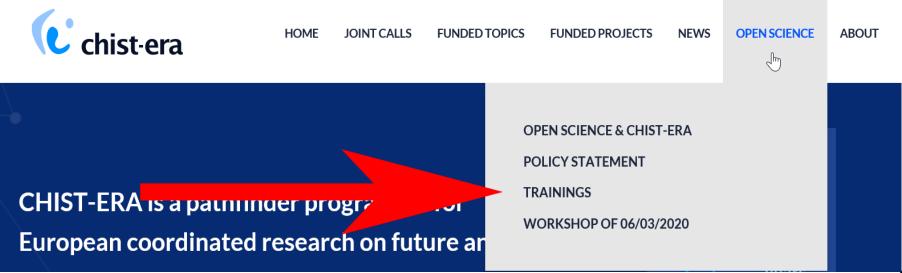
* Following the principle "as open as possible, as closed as necessary"



Complementary Developments and Support Measures

- Appreciation of Open Science practices within the project evaluation (mainly *Impact* criterion)
- Reinforcement of DORA declaration principles
- See call documents for more details

Uvebinar on Open Science (*OpenAIRE, December 2020*)





Proposal Preparation & Recommendations

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Joint Funding Instrument

European level

- ✓ Formation of collaborative projects
- ✓ Submission of proposals
- Evaluation and ranking
- ✓ Funding recommendation
- ✓ Contact point: CHIST-ERA Call Secretariat

National/Regional level

- One National/Regional Contact Point for the funding organisation
- ✓ For some countries, a separate application to the respective funding organisation by a project partner from that country is needed
- ✓ Formal implementation, grant agreement



Requirements from the Consortia

- Formation of consortia
 - ✓ At least 3 partners from 3 countries participating in the call topic
 - Industrial partners eligible for some funders (see call text for details)
 - Research should be focused on a clearly defined goal, i.e. typically not more than 6 partners is recommended
 - Consortia should be balanced:
 - Not more than 60% of the total requested funding may be requested by partners from one country
- Additional partners
 - Research groups from countries whose funding organisations are not in the call may join a project consortium as long as they are able to secure their own funding
 - ✓ These groups/institutions do not count for the 3-3 rule
 - ✓ The coordinator must request funding

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Application Procedure

- One-step submission procedure
 - ✓ Proposal: approx. 25-35 pages
- Each consortium specifies one coordinator
 - ✓ Single point of contact for the call secretariat
 - ✓ The coordinator must be based in a country participating in the call
- For each project partner, one PI is the point of contact at the national/regional level
- Prior to submission, each PI has to consult with her/his funding organisation regarding eligibility issues:
 - Eligibility of the institution (university, academic institutions, industry,...)
 - ✓ Position of the PI (e.g. permanent staff,...)
 - ✓ Eligible costs
- ❑ The proposal is submitted through the ANR online submission platform
- Some funding organisations require additional national/regional forms

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Recommendations (1/2)

- CHIST-ERA is not ERC: Collaboration, science and technology are essential ingredients
- Novelty and interdisciplinarity are important
 - ✓ Incremental refinements rarely make it, high-risk does
 - Collaboration driven by joint questions, goals and mutual learning
- A long term vision is essential but also a plausible idea on how to get there
- Strong encouragement to involve Widening Countries in the call
- Improve your project by integrating appropriate Open Access measures
- Consider altogether the Call Announcement, the evaluation criteria and the proposal template



Recommendations (2/2)

- Make sure that your partners have checked their eligibility with the respective funding organisations
- □ Take into consideration national/regional budget constraints. Projects are expected to be at maximum in the range of 0.8 1 M€
- Do not hesitate to contact the CHIST-ERA call secretariat and your national/regional contact points
- Get used to the electronic submission system sufficiently in advance to prevent any technical risk



How to submit your proposal



Application Guidelines (1/10)

Full guidelines: <u>https://www.chistera.eu/sites/www.chistera.eu/files/CHIST-</u> <u>ERA%20Call%202020%20-%20Submission%20Guidelines.pdf</u>

Recommendations:

Create your submission account some days before the submission deadline in order to avoid any problem

- > Verify all the data in the submission platform
- > Upload the proposal document in PDF format
- Upload the financial plan in the annex section (letters of support could be uploaded as well in the same section)
- The CHIST-ERA Call 2020 electronic submission system is based on the French National Research Agency (ANR) electronic submission platform (<u>https://aap.agencerecherche.fr/</u>)



Application Guidelines (2/10)

omit a proposal to the call for		
List of proposals in a current call		
List of currently reviewed proposals	Please fill in the informations below to create your	project
List of proposals within the grant signin	These will remain modifiable until the close of the	
List of funded proposals	Identification of the project	
	Project acronym	
	Project French title	
	You do not need to translate	
	the title in French, and you can simply copy and paste	
	the Project English title here.	
	P & D categorie	
	Select if the project is mainly Fundamental research or	Sélectionnez une catégorie R&D 🤍

Application Guidelines (3/10)

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Principal Investigator/Scientific manager of the partner			
Civility	Nadam		
First name	Anna		
Last name	Ardizzoni		Please fill ir
Email	arna.ardix@gmail.com		information
Title	Researcher		carefully!
Project coordinator	V		-
Research organisation of the partner			
Country	Select a country	.	
Category	Select a category	Select the administrat	
Name		of the project partner	
Partner acronym		Other Enterprise than Very small en Other private	terprises or SMEs
Research Funding Organisation	• • •	Other Public Public Laboratory Research Foundation	
		SMEs Very Small Enterprises	
nment (regarding the choosen Research Funding Organisation)			

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Application Guidelines (4/10)

Partnership Partners/Organisations and tasks

files

Identity of the project abstracts

Scientific

Scientific document Submission of the project

Partnership

The project coordinator specifies each partner and the principal investigator (PI) of each partner.

Any PI indicated in the table below has access to the project, his/her login being the registered email address. If necessary, he/she can generate a new password from the home page.

Note that users with only the scientific team member role do not have an account to log into the application.

At each change made, the PIs of the concerned partners are informed by e-mail.

Display By country												
		Partner/Organisation's name	Partner acronym	Category	Requested funding (€)	CIV.	First name	Last name	Email addreas (*: change in progress)	Rola	Coord.	Research Funding Organisatio
		France (1)			0.00							
 		TEST Laboratory	TEST-L	Public Laboratory	0.00	Mr	Sergueï	Fedortchenko	serguei.fedortchenko@anr.fr	PI		ANR
		Spain (1)			0.00							
		TEST Laboratory 2		Public Laboratory	0.00		Firstname	Lestname	firstname.lastname@testiaboratory2.es	Ы		AEI
		United Kingdom of Great Britain and Northern Ireland (the) (1)			0.00							
_ 	4 4	TEST Laboratory 3		Public Laboratory	0.00		Firstname2	Lostname2	firstname2.lastname2@testlaboratory3.uk	PI		UKRI
Modify partner/organisation Delete partner/organisation												
Add new partner Delete a partner Modify the information about a partner												



Application Guidelines (5/10)

Modify a partner		
Principal Investigator/Scientific manager of the partner	Change the scientific manager	
Civilty	Select a civility 🧠	
First name	Firstname	
Last name	Lastnome	
Email	firstname.lastname@testlaboratory2.es	Modify / Update
Tite	Researcher/Professor	
Project coordinator		
Research organisation of the partner Country	Spain	× *
Name	TEST Laboratory 2	*
Partner acronym		
Research Funding Organisation	AEI - Agenda Estatal de Investigación	
Comment (regarding the choosen Research Funding Organisation)		
	you do any changes, pleas » or you can loose your d	

Application Guidelines (6/10)

	Partne and ta		Partners/Organ files	isatio			hatraata	Scientific docu Submission of		ect	
	Consortium										
		Display By country 🗸									
	of the cost Fi				Requested Funding (€)	Permanent position (person.month)	NON permanent position WITHOUT Funding requested (person.month)	Country head- on	Research Funding Organisation		
			France (1)	0.00	0.00	0.00	0.00	0.00			
		Select	TEST-L (coord)	0.00	0.00	0.00	0.00	0.00		ANR	
			Spain (1)	0.00	0.00	0.00	0.00	0.00			
		Select	TEST Laboratory 2	0.00	0.00	0.00	0.00	0.00		AEI	
Selected par s in <i>italic</i>	tner		United Kingdom of Great Britain and Northern Ireland (the) (1)	0.00	0.00	0.00	0.00	0.00			
		Select	TEST Laboratory 3	0.00	0.00	0.00	0.00	0.00		UKRI	
			Total	0.00	0.00	0.00	0.00	0.00			
			the partner/orga below.	nisati	on in the	table(s) abov	e and then u	pdate its adm	ninistrat	ive and	
	Adm	inistrativ	ve data Financ	ial da	ta						
	Ma	ndator	y information nee	eded	for registi	ration form					
			Organisation : TEST-							Œ	
		Principal	Investigator/Scient		anager					Œ	
		Scientific	: team partner's me	ember						Đ	
		Other									

Save Cancel

C

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Now you can fill in the information in all the sections

Application Guidelines (7/10)

d tasks files			the project abstracts		bstracts	Submission of the project			
Consortiur	m								
					Displa	y By country		~	
	Name or acronym of the partner/organisaton	Full cost (€)	Requested Funding (€)	Permanent position (person.month)	NON permanent position WITH Funding requested (person.month)	NON permanent position WITHOUT Funding requested (person.month)	Country head- on	Research Funding Organisation	
	France (1)	0.00	0.00	0.00	0.00	0.00			
Select	TEST-L (coord)	0.00	0.00	0.00	0.00	0.00		ANR	
	Spain (1)	0.00	0.00	0.00	0.00	0.00			
Select	TEST Laboratory 2	0.00	0.00	0.00	0.00	0.00		AEI	
	United Kingdom of Great Britain and Northern Ireland (the) (1)	0.00	0.90	0.00	0.00	0.00			
Select	TEST Laboratory 3	0.00	0.00	0.00	0.00	0.00		UKRI	
	Total	0.00	0.00	0.00	0.00	0.00		_	

Please select the partner/organisation in the table(s) above and then update its administrative and financial data below.

Administrative data Funding (€) 0.00 Save Cancel For all partners, only the simplified entry is required For ANR practical reasons, French partners need to detail their costs

Please complete all the financial data and click on « save »

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Application Guidelines (8/10)

	Submit the scientific document
	Each project must submit a proposal (i.e. scientific document) using the template available on the CHIST- ERA website: <u>http://www.chistera.eu/sites/chistera.eu/files/CHIST-ERA%20Call%202018%20-%20Pre-</u> proposal%20Form.docx
	The scientific document must be written in English.
	Authorized Format: PDF. Max. size : 10 Mb. Maximum number of pages : 100.
(Submit the scientific document As specified in the call announcement, the proposal document must be written in English
	Scientific document in Anglais sol ERA_TePro_DocSci.pdf Upload the proposal document in PDF format
	Annex to the scientific document
	Each project must submit a financial form in Excel format as an annex of the proposal (i.e. scientific document). The template is available on the CHIST-ERA website: <u>http://www.chistera.eu/sites/chistera.eu</u> /files/CHIST-ERA%20Call%202018%20-%20Financial%20Template.xlsx
	Au horized Formats: BMP, DOC, DOCX, GIF, JPEG, JPG, ODP, ODS, ODT, PDF, PNG, PPT, PPTX, RTF, XLS, XLSX. Max. size : 10 Mb.
	Auton fichier sélectionné.
	Submit Upload the financial plan in Excel format
	IMPORTANT: Only by clicking on « submit » you can change the proposal status and and get the green sentence in the last tab

Application Guidelines (9/10)

There is no "submit" button once you finalise your submission. The submission is automatic. In the tab "submission of your project", please check that a green sentence indicating that "The conditions for submission of your proposal are met." is displayed.

If a red or an orange sentence is displayed, please check again all the tabs or your project will be automatic considered by the system as *not submitted*.

The closing date for call for proposals is 01/03/2021 until 17:00 (DD/MM/YYYY; Current local time in Paris, France)

Project status :Submitting

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Your application will automatically be considered submitted if all the following conditions are met

- · the scientific document has been submitted
- the grant amount requested for the project is non-zero at the closing of the call for proposals

Only information entered on the submission website by the call for proposals closing date will be considered.

An electronic confirmation will be sent to the coordinator on the call for proposals closing date.

Coordinators are asked to lock their projects by the closing date. The emirate may be unlocked by the coordinator prior to the close



Checking fields

This tab enables the coordinator to lock and unlock the project proposal. When the proposal is locked, other PIs cannot modify their information.

Please note that the submission platform is unable to check that the information you have entered matches the eligibility criteria laid out in the text of the call for proposals.

Please be aware of the following alerts:

- In red : This condition must be fulfilled for your proposition to be complete
- In orange : Information about the project or partner that should be filled or corrected

Proposal:

- No scientific document has been uploaded
- The aid requested under the project must be different from 0
- The abstract in English is empty
- No principal research theme has been entered for your project.

Administrative and financial document of the project

Generate



Application Guidelines (10/10)

There is no « submit » button once you finalise your submission. The submission is automatic.

- In the tab "submission of your project", please check that a green sentence indicating that "The conditions for submission of your proposal are met." is displayed.
- If a red or an orange sentence is displayed, please check again all the tabs or your project will be automatic considered by the system as *not submitted*.
- > A confirmation email is sent to the coordinator at call closure.



Your Contacts

□ Call 2020 information

- ✓ Anna Ardizzoni (ANR France) - <u>chistera@anr.fr</u>
- All Call 2020 contacts
 - ✓ <u>www.chistera.eu/call-</u>
 2020-announcement
- Call 2020 newsletter

Website

Newsletter

Twitter

LinkedIn

Country				Contact point
Belgium	F.R.SFNRS	Yes	Yes	Florence.Quist@frs-fnrs.be
Belgium	FWO	Yes	Yes	eranet@fwo.be
Bulgaria	BNSF	Yes	Yes	Aleksandrova@mon.bg
Czech Republic	TACR	Yes	Yes	Michaela.Kriklanova@tacr.cz
Finland	АКА	Yes	Yes	Katrine.Mahlamaki@aka.fi
France	ANR	Yes	Yes	Anna Ardizzoni@anr.fr
Hungary	NKFIH	Yes	Yes	Edina.Nemeth@nkfih.gov.hu
Ireland	IRC	Yes	Yes	RSweeney@research.ie
Israel	InnovationAuth	Yes	Yes	Rachel,L@iserd.org.il
Latvia	VIAA	Yes	Yes	Maija.Bundule@viaa.gov.lv
Lithuania	LMT	Yes	Yes	Laura.Kostelnickiene@lmt.lt
Luxembourg	FNR	Yes	Yes	Helena.Burg@fnr.lu
Poland	NCN	Yes	Yes	Alicja.Dylag@ncn.gov.pl
Québec (Canada)	FRQNT	Yes	Yes	Laurence.MartinGosselin@frq.gouv.qc.ca
Romania	UEFISCDI	Yes	Yes	Cristina.Cotet@uefiscdi.ro
Slovakia	SAS	Yes	Yes	Panisova@up.upsav.sk
Spain	AEI	Yes	Yes	era-ict@aei.gob.es
Switzerland	SNSF	Yes	Yes	chistera@snf.ch
Turkey	TÜBITAK	Yes	Yes	Utku.Cetin@tubitak.gov.tr
United Kingdom	UKRI	No	Yes	Maryam.Crabbe-Mann@epsrc.ukri.org





Thank you!



