CALL TEXT

for the

JPIAMR transnational call for research projects within the ERA-NET JPI-EC-AMR (9th call)

"Diagnostics and Surveillance of Antimicrobial Resistance: Development of tools, technologies and methods for global use"

Addressing the rising threat of antimicrobial resistance (AMR) requires a holistic and multi-sectoral approach – referred to as One Health. Resistant bacteria and antibiotics can be found in humans, animals and the environment, and they may spread from one to the other, and from one country to another. AMR does not recognize geographic or human–animal borders. The primary aim of the ninth joint call of the Joint Programming Initiative on Antimicrobial Resistance (JPIAMR) is to combine the resources, infrastructures, and strengths of multiple countries in order to facilitate innovative research projects on diagnostics and surveillance strategies that can be used to detect and monitor antimicrobial resistance (AMR). The call focuses on the development of new or improved diagnostics and surveillance strategies, tools, technologies and methods that can be used to aid the diagnosis of AMR infections in human and veterinary settings, or the surveillance and detection of AMR in humans, animals and the environment. Projects addressing both human and veterinary diagnostic and surveillance topics may also consider how research on prevention and prudent use of antibiotics could optimise the efficacy and safety of antimicrobial chemotherapy. Projects should consider implementation into appropriate geographic settings, including into low and middle income countries (LMICs), and assume a One Health perspective where appropriate.

Another aim of this call is to support and increase the participation of researchers from LMICs. Research and innovation on AMR by and within LMICs has great importance for our collective global future. AMR thrives in settings with limited access to water and sanitation, medicines, veterinary and health care, and geographic environments where antimicrobials are produced and applied and pose increased and unknown risks for humans, animals and the environment.

LMICs require new and improved tools, technologies and methods, and the training and resources to implement them, in order to identify the scope and range of antimicrobial resistance currently present within their borders, and to facilitate their efforts to estimate the costs and consequences of AMR nationally. Reliable microbial and resistance data are often absent in LMIC contexts due to the lack of, or early stage, surveillance systems. Insufficient resources, including limited laboratory and communications infrastructure, too few laboratory and clinical personnel and a high prevalence of counterfeit and substandard antimicrobials and diagnostics have been cited as challenges to surveillance in LMICs. Inclusion of LMIC perspectives on diagnostics will increase the understanding of local constraints, cultural, contextual and behavioural determinants that may influence use of antibiotics and which technologies and methods would be implemented in the most cost-effective way, as well as facilitate engagement in Global initiatives such as the Global Antimicrobial Surveillance system (GLASS)[1].

1. Aim of the call

1 WHO Global AMR Surveillance System (GLASS)

To take action against the growing global threat of increasing antibiotic resistance in pathogenic organisms, and the spread of antibiotic resistance, the scientific community must improve and develop effective, affordable, accessible and contextually appropriate ways to detect and monitor resistance in samples from patients, animals and the environment. These actions might aid antibiotic prescribing within the scope of "prudent use of antibiotics" and stewardship, guide the understanding of the directionality of AMR spread, and assist the development of interventions to limit the spread of AMR within humans, animals and the environment.

It is expected that through international collaborations combining complementary and synergistic research strengths and a One Health perspective, this JPIAMR call will contribute to the urgent need to curb the burden associated with the most prioritised infections in different geographical settings[2]. This topic area is also suitable to reinforce collaborations involving industry and social sciences[3]. Regional LMIC led collaborations are welcomed. The results of the funded projects should contribute to improved understanding, monitoring and detection of AMR where efforts to curb AMR will have a global impact.

1.1 Topics of the call

Projects should aim to either:

- Develop strategies, tools, technologies, and methods for the detection, monitoring, profiling and/or surveillance of antimicrobial resistance and dynamics leading to resistance.
- Study ways to facilitate and implement the uptake and use of existing strategies, tools, technologies, and/or methods for the detection, monitoring, profiling and surveillance of antimicrobial resistance and dynamics leading to resistance.

Projects should consider international guidelines and standards for surveillance AMR. [1 4 5 6 7 8]

Studies should be applied to at least one of the following:

- Establish the validity of new or improved diagnostic tools, technologies and methods.
- Evaluate how new or improved diagnostics can promote more prudent use of antibiotics (e.g. narrow spectrum antibiotics) in human and veterinary use
- Rapid diagnostics (essential for optimal antimicrobial selection) and point-of-care techniques, to improve personalised or individual therapies
- Development of new, or more efficient use and accessibility of already existing, tools, technologies and/or methods to detect AMR in multiple reservoirs, for example human, animal and environmental samples, for example:
    - Improvement and standardisation of bioinformatics pipelines, quality control, and/or modelling and analysis tools for WGS data and metadata.
    - Methods and tools for defining baseline data with regards to the natural variability of resistance genes, mobile genetic elements and/or mobilization/transfer frequencies in

2 http://www.who.int/medicines/areas/rational_use/PPLreport_2017_09_19.pdf?ua=1
3 Please refer to specific funding requirements from individual agencies.
4 Integrated surveillance of antimicrobial resistance in foodborne bacteria
5 Harmonisation of national antimicrobial resistance surveillance and monitoring programmes. In: Terrestrial Animal Health Code. Paris: World Organisation for Animal Health; 2017
6 Monitoring of the quantities and usage patterns of antimicrobial agents used in food-producing animals. In: Terrestrial Animal Health Code. Paris: World Organisation for Animal Health; 2017
7 UNEP report on environmental AMR
8 Global Sewage Surveillance Project

different types of environments and/or expanding quantitative microbial risk assessment to encompass also, e.g. ecology and evolutionary aspects of AMR.
    - Implementation strategies and/or improvement or further development of existing tools that distinguish between viral, susceptible bacterial and antimicrobial-resistant bacterial infections.

Projects are encouraged to consider the global use of the tools, technologies and methods, including use in LMIC settings (e.g. lack of laboratory facilities, affordable diagnostic tests, unreliable or unavailable electricity supplies or points-of-care-tests).

The following sub-topics are not within the scope of the call:

- Investigations based on, or involving, clinical trials.
- Investigations aiming to improve existing commercial technology or products (see also Annex B).

2. Application

2.1 Eligibility

Applicants must adhere to the specific regulations of their national funding organisations. **Therefore, each participant is strongly advised to check carefully the national eligibility rules defined by its own funding organization, synthetized in the National and Regional Requirements (see Annex B)**.

Eligibility rules for the consortia are:

- Minimum of three (3) eligible partners from three (3) different countries participating in the call, or three (3) different partners able to be funded by organizations participating in the call.
- Funding must come from at least three funding organizations; however, if a member of the consortium is from a LMIC, there may be a minimum of two funding organizations. Additional national rules by funders may also apply and can be found in Annex B.
- Maximum of six (6) project partners (including non-funded partners, see table below). The maximum number of six (6) participants can be exceeded to seven (7) partners in the case of inclusion of partners from Czech Republic, Latvia and Poland.
- Maximum number of partners from each participating country per project indicated in Annex B must be respected.
- China and specified LMICs in Southeast and South Asia (DAC list) [9] will be funded by IDRC.
- Low income countries in Africa[10] will be funded by SIDA (for details please refer to Annex B).
- Participants not eligible for funding (e.g. from non-funding countries or not fundable according to national/regional regulations of the participating funding organizations) may be

9 Bangladesh, Bhutan, Cambodia, China, India, Indonesia, Lao, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Timor-Leste, Pakistan, Philippines, Sri Lanka, Thailand, and Viet Nam

10 Preliminary list: Benin, Burkina Faso, Burundi, Central African Republic, Chad, Comoros, Congo, Dem. Rep., Eritrea, Ethiopia, Gambia, The Guinea, Guinea-Bissau, Liberia, Madagascar, Malawi, Mali, Mozambique, Niger, Rwanda, Senegal, Sierra Leone, Somalia, South Sudan, Tanzania, Togo, Uganda, Zimbabwe

involved in projects if they secure their own funding. Consortia should always consist of a majority of project participants eligible for funding according to the criteria above. The budget of a non-funded partner shall not exceed 30% of the total transnational project budget requested.

- Project participants not eligible to be funded cannot be consortium coordinators and must accept all JPIAMR rules and guidelines just as funded members.

Number of partners requesting funding (eligible partners)	3	4	5	6	6 (only with at least a partner from Czech Republic, Latvia or Poland	7 (only with at least a partner from Czech Republic, Latvia , Poland)
Maximum number of additional partners with own funding	2	2	1	0	1	0

2.2 Submission of joint transnational proposal

Submissions of proposals will take place in two steps. In both cases, one joint proposal document (in English, and following the provided template) shall be prepared by the project participants of a joint transnational proposal, and must be submitted to the Joint Call Secretariat by the coordinator. A submission tool will be implemented on the JPIAMR website.

In addition, some funding organizations may require the submission of other documents at the national level - either at the first and/or second step (please refer to Annex B).

The two-step application process (pre-proposal, full proposal) will have the following targeted timetable:

November 15 2018	Preannouncement: Antibiotic Awareness Day 2018
1st week December 2018	Publication of the JPIAMR ERA-NET 2019 Call
February 18 2019 (11:00 CET)	Submission deadline for pre-proposals
Mid April 2019	Full proposal invitations sent to project coordinators
June 17th 2019 (11:00 CET)	Submission deadline for full proposals
Last week September 2019	Final funding decision taken by the CSC
Mid October 2019	Final funding decision announced to applicants
End of 2019/Early 2020	Start of funding

2.3 Financial modalities and funding prerequisites

Funding is granted for a maximum of three years in accordance with national regulations and applicable legal provisions. **Applicants must comply with their own specific national regulations and scientific remits as detailed in the National and Regional Requirements or specific regulations of their corresponding funding organisation (see Annex B).**

The financial indicative commitments made by the Parties are listed in the table below. The "virtual common pot model" shall apply for this transnational call. As such, each country will fund its own approved project partners.

Anticipated indicative funding provided by each Party

Country	***Name of Organisation***	***Acronym***	***Contribution (M€)***
Canada	Canadian Institutes of Health Research	CIHR	1.8M CAD$ (approx. 1.19M€)
Canada	Canada's International Development Research Centre	IDRC	2M CAD$ = 1.3M Euro
Czech Republic	Ministry of Education, Youth and Sports of the Czech Republic	MEYS	0.5M
Finland	Academy of Finland	AKA	0.3M, 1 project
France	French National Research Agency	ANR	2M
Germany	Federal Ministry of Education and Research	BMBF	3M
Israel	Ministry of Health	CSO-MOH	0.3M (up to 2 projects. 140K per project + additional 20K per project coordinator)
Italy	Italian Ministry of Health	It-MoH	0.5M
Italy	Italian Ministry for Education, University and Research	MIUR	0.4M
Latvia	State Education Development Agency	VIAA	0.42M
Netherlands	The Netherlands Organisation for Health Research and Development / The Netherlands Organisation for Scientific Research	ZonMw NWO-WOTRO	1M* 0.15M*
Norway	The Research Council of Norway	RCN	1.5M
Poland	National Science Center	NCN	0.5M
Romania	Ministry of Research and Innovation	MCI	0.25M
South Africa	South African Medical Research Council	SAMRC	0.5M*
Spain	National Institute of Health Carlos III	ISCIII	0.25M
Sweden	Swedish International Development Cooperation Agency	SIDA	3.2M
Sweden	Swedish Research Council	SRC	1.5M

* Funding not yet confirmed

2.4 Contact persons

The only official communication line of the proposal is between the Joint Call Secretariat and the project coordinator. The project coordinator will be the person contacted by the Joint Call Secretariat during the application procedure, so he/she must forward this information to other participants. Each funding organisation has national contact persons who can be contacted for information about the specific national requirements (see Annex A).

Please note that country specific requirements might apply to this call. Compliance with the national or institutional regulations specified in Annex B is mandatory. We strongly advise you to contact your funding organisation (see Annex B) prior to submitting a pre- proposal.

3. Evaluation

Pre-proposals and full proposals will be assessed according to specific evaluation criteria (see below), using a common evaluation form. A scoring system from 0 to 5 will be used to evaluate the proposal's performance with respect to the different evaluation criteria.

Scoring system:

0: Failure. The proposal fails to address the criterion in question, or cannot be judged because of missing or incomplete information.
1: Poor. The proposal shows serious weaknesses in relation to the criterion in question.
2: Fair. The proposal generally addresses the criterion, but there are significant weaknesses that need corrections.
3: Good. The proposal addresses the criterion in question well but certain improvements are necessary.
4: Very good. The proposal addresses the criterion very well, but small improvements are possible.
5: Excellent. The proposal successfully addresses all aspects of the criterion in question.

Evaluation criteria:

1. **Excellence**
   a. Clarity and pertinence of the objectives
   b. Credibility of the proposed approach and methodology
   c. Soundness of the concept
   d. Innovative potential
   e. Competence and experience of participating research partners in the field(s) of the proposal (previous work in the field, specific technical expertise)

2. **Impact**
   a. Potential of the expected results for future clinical, public health and/or other socio-economic health relevant applications including patient needs

b. Added value of transnational collaboration: gathering a critical mass of patients/biological material, sharing of resources (models, databases, diagnosis etc.), harmonisation of data, sharing of specific know-how and/or innovative technologies
c. Effectiveness of the proposed measures to exploit and disseminate the project results (including management of IPR), to communicate the project, and to manage research data where relevant
d. Appropriateness of Industry and Patient Organisation participation/engagement (when appropriate/applicable)
e. Quality of the proposed engagement of LMIC in the project consortium (the nature of the collaboration must be discussed in section 12 of the application form)

3. Quality and efficiency of the implementation

a. Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks, resources and time
b. Complementarity of the participants within the consortium
c. Appropriateness of the management structures and procedures, including risk and innovation management
d. Concept for sustainability of infrastructures initiated by the project
e. Budget and cost-effectiveness of the project (rational distribution of resources in relation to project's activities, partner responsibilities and time frame)

Evaluation scores will be awarded for the 3 main criteria, and not singularly for the different aspects listed below the criteria. The threshold for individual criteria will be 3 and the Overall threshold for the total score is 9. The maximum score that can be reached from all three criteria together is 15 points.

4. Decision of project to be funded

The proposals will be funded based on the ranking list recommended by the Evaluation Panel and decided by the Call Steering Group (CSG). The final funding decision will be made by the national/regional funding organizations and will be subject to budgetary considerations with the goal of optimal usage of the available budget.

5. Reporting requirements and other obligations of JPIAMR grantees

The overall project monitoring and evaluation of project results will be the responsibility of the JPIAMR secretariat. Each consortium coordinator, on behalf of the research consortium, shall submit a mid-term scientific project report, as well as, at the end of the project, a final scientific project report including a brief financial report to the JPIAMR secretariat. The monitoring of each funded project may also be done in review seminars.

In addition to these central reporting obligations, each research team will be requested to comply with the reporting rules of its funding organization. In accordance with those specific national/regional or institutional regulations, each participant may also be required to submit periodical and final financial

and scientific reports to their funding organizations (See Country-specific information in Annex B). The monitoring outcomes will be collected and made accessible to all parties.

The project participants of each consortium are required to sign a consortium agreement (CA) in order to deal with the issues related to the protection of intellectual property and to submit a declaration on the signed CA within 12 months after the project start. Besides this declaration to the JCS individual funding parties reserve the right to request the supply of the CA directly from their funded principal investigators. Since JPIAMR promotes an open access policy, the consortia will be strongly recommended to contribute publications and information on data, tools and bioresources generated by their research to the public domain where it should be made widely available. Access should be provided to other bona fide research groups, with the necessary arrangements in place.

All points that should be addressed in the CA are detailed in the Annex C.

For more information please see "JPIAMR Guidelines for Applicants and Grant Holders" (www.jpiamr.eu).

Annex A: National contact persons for each party providing funding

Country	*Funding org.*	*Contact person(s)*	*Email*	*Telephone*
Canada	CIHR	Edith Brochu	edith.Brochu@ crchudequebec.ulaval.ca	+1.581.989.2438
Canada	IDRC	Arlyne Beeche Zee Leung Greg Hallen	abeeche@idrc.ca ZLeung@idrc.ca ghallen@idrc.ca	+1-613-696-2325
Czech Republic	MEYS	Daniel Hanspach	Daniel.Hanspach@msmt.cz	+420 234 811 360
Finland	AKA	Jonna Kyyrö Sirpa Nuotio	jonna.kyyro@aka.fi Sirpa.nuotio@aka.fi	+358 295 33 5107 +358 29 533 5082
France	ANR	Virginie Mouchel Martine Batoux	JPI-AMRCalls@agencerecherche.fr	+33178098044
Germany	BMBF	Isabella Napoli Akin Akkoyun Barbara Junker	isabella.napoli@dlr.de akin.akkoyun@dlr.de barbara.junker@dlr.de	+49 228 38211747 +49 228 38211864 +49 228 38211274
Israel	CSO-MOH	Ronit Meyuhas	ronit.meyuhas@moh.gov.il	+972 2 5082159
Italy	It-MoH	Maria Josè Ruiz Alvarez Giselda Scalera	mj.ruizalvarez-esterno@sanita.it research.EU.dgric@sanita.it	+39 06 5994 3214
Italy	MIUR	Aldo Covello Roberta Pellicano	aldo.covello@miur.it roberta.pellicano@est.miur.it	+39 06 9772 6465 +39 06 9772 7404
Latvia	VIAA	Uldis Berkis	Uldis.Berkis@viaa.gov.lv	+37129472349
Netherlands	ZonMw	Linda van Gaalen	lgaalen@zonmw.nl	+31 70 3495157
Netherlands	NWO-WOTRO			
Norway	RCN	Dyveke Hetland Sonja Prehn	dhe@forskningsradet.no sp@forskningsradet.no	+4722037503 +4790056541
Poland	NSC	Jerzy Fraczek Malwina Gębalska	jerzy.fraczek@ncn.gov.pl malwina.gebalska@ncn.gov.pl	+48 12 341 9165 TBA
Romania	RO	Ioana Ispas	ioana.ispas@research.gov.ro	+40 21 2127791
South Africa	SAMRC			
Spain	ISCIII	Rafael De Andres	rdandres@isciii.es	
Sweden	SIDA	Eren Zink	eren.zink@sida.se	+46 8 698 52 40
Sweden	SRC	Kristian Haller Patriq Fagerstedt	kristian.haller@vr.se patriq.Fagerstedt@vr.se	+46 8 546 12 307 +46 8 546 44 246

Annex B: National Rules and Requirements

Please note that this is only a summary. Refer to the national websites and contact the respective national contact persons for full details.

Canada – CIHR **Canadian Institutes of Health Research**	
Specific National/ Regional rules	• The Nominated Principal Applicant (NPA) must be an independent Researcher. • The NPA must have an academic or research appointment at a CIHR eligible institution (See Institutional Eligibility Requirements for eligibility process and associated timelines.
Eligible costs	• Recipients should review the Use of Grant Funds section of the Tri-Agency (CIHR, NSERC and SSHRC) Financial Administration Guide for a complete listing and description of allowable costs and activities. • No indirect costs will be covered.
Additional documents required	Canadian applicants must complete a CIHR application and submit it using ResearchNet. The deadline for submission of this application is the same as the Full Application deadline to Joint Action Secretariat. The purpose of this additional application to CIHR is to provide CIHR with an Operating Budget for the project, with the amounts quoted in Canadian dollars.
Further information	The total amount available for the Canadian component of successful projects is 1.8 million CAD, enough to fund approximately 4 grants. The proposals will be funded based on the ranking list recommended by the PRP and decided by the CSG. The final funding decision will be made by the national/regional funding organizations and will be subject to budgetary considerations with the goal of optimal usage of the available budget. CIHR funds will be awarded and distributed based upon the nature of Canadian participation on the funded application as follows. · Canadian investigator led Consortium (Coordinator) up to 175, 000 CAD per year for 3 years. · Canadian investigator participation (Partner) up to 125,000 CAD per year for 3 years. Approved grants may receive an across-the-board cut to the budget, if necessary, to maximize the number of funded opportunities.

Canada – IDRC **International Development Research Centre**	
Specific National/ Regional rules	Eligibility criteria: • Only eligible Asian LMIC transnational partnerships may apply for funding in line

	with the Eligibility criteria of the JPIAMR Call.
	• All lead or co-lead applicants must be researchers positioned at an eligible Asian organization.
	  ○ Eligible organizations are legal entities, such as accredited universities, non-governmental or government-funded research organizations.
	  ○ Eligible collaborators must be associated with eligible organizations.
	  ○ Intergovernmental organizations (e.g. United Nations system) and CGIAR Centres cannot apply as lead or co-applicants. Intergovernmental organizations may participate as collaborating organizations.
	• The lead applicant and co-applicants may negotiate and develop funding arrangements directly with third-party organizations for specific services. IDRC will not contract directly with third-party organizations. Applications that involve third-party organizations must clearly justify their involvement and explain their role(s).
	
	Grant agreements with eligible successful applicants from Asian LMICS will be made directly with IDRC and the associated technical and financial reporting must follow IDRC guidelines in the grant agreement.

Eligible costs	Guidelines for Acceptable Project Expenditures Proposal Budget
Additional documents required	Institutional Profile Questionnaire Ethical clearance Country clearance (if required)
Further information	• Total amount available for the IDRC Canada component of successful projects is 2 million CAD, enough to fund approximately 4 grants. The proposals will be funded based on the ranking list recommended by the PRP and decided by the CSG. The final funding decision will be made by the national/regional funding organizations and will be subject to

	budgetary considerations with the goal of optimal usage of the available budget. • General IDRC Funding Guidelines • Grants to Institutions: A Guide to Administrative Procedures • Grants to Institutions: Frequently Asked Questions • Standard Terms and Conditions for a Grant Agreement

Czech Republic – MEYS **Ministry of Eduaction, Youth and Sports of the Czech Republic**	
Specific National/ Regional rules	The national funding authority of the Czech Republic responsible for ensuring participation of the Czech entities in the present Call launched within the framework of the Joint Programming Initiative "Antimicrobial Resistance" (JPIAMR) is the **Ministry of Education, Youth and Sports** – Department of Research and Development, Unit for European Research Area.
Eligible costs	Eligible costs for a Czech participant involved in a project consortium are defined by **§ 2 of the Act No. 130/2002 Coll. on Support of Research, Experimental Development and Innovation from Public Funds** and on Amendment to Some Related Acts. The maximum indirect costs set for the present call are **25 % (flat rate)** of direct costs without the sub-contracting. The **aid intensity** for activities carried out by a research organisation might be at the level of **100 %** provided that the research organisation complies entirely with requirements stipulated by the Article 2.1.1 "Public funding of non-economic activities" of the Framework for State Aid for Research and Development and Innovation (2014/C 198/03) and proves it by means of the above-mentioned **Statutory Declaration**. Should the above-stated criteria not be fulfilled by the Czech participant, funding rates will be adjusted appropriately by the Ministry of Education, Youth and Sports and will reach the level of **100 % for fundamental/basic research** activities, **50 % for applied research** activities and **25 % for experimental development** activities. Each Czech participant in a project consortium is requested to specify the costs related to the envisaged R&D activities in detail by using the national **Eligible Costs Specification** template available on websites of the Ministry of Education, Youth and Sports.

Additional documents required	All of the requested documentation for pre-proposals (**Statutory Declaration and Eligible Costs Specification**) shall be sent by each Czech participant in a project consortium to the Ministry of Education, Youth and Sports both by electronic correspondence and post. The required procedure is described on the websites of the Ministry of Education, Youth and Sports.
Further information	The participants from the Czech Republic in the projects´ consortia must meet the criteria of **research and knowledge-dissemination organisation** (hereinafter referred to as the "research organisation") in accordance with the Framework for State Aid for Research and Development and Innovation (2014/C 198/03). These might be public universities, public research institutes and/or another entities classified as research organisations. It is obligatory that the Czech participants involved in the projects´ consortia prove compliance with the eligibility criteria and fulfilment of the conditions set by **§ 18 of the Act No. 130/2002 Coll. on Support of Research, Experimental Development and Innovation from Public Funds** and on Amendment to Some Related Acts by means of a **Statutory Declaration**. The required procedure is described and the Statutory Declaration template is available on the websites of the Ministry of Education, Youth and Sports.

Finland – AKA **Academy of Finland**	
Specific National/ Regional rules	Funding will follow guidelines of the Academy Project funding. http://www.aka.fi/en/funding/how-to-use-the-funding/general-conditions-and-guidelines-for-funding/ The applicant must have the qualifications of a professor or a docent.
Eligible costs	Full cost model applies; both direct and indirect costs of the research team arising from salaries, consumables, travel, mobility, overheads etc. Requested budget from Academy must be no more than 70% of the full costs of a Finnish PI.
Additional documents required	Data management plan
Further information	The Finnish project leaders recommended for funding will be invited to submit an application to the Academy of Finland in autumn 2019.

France – ANR **French National Research Agency**	
Specific National/ Regional rules	ANR does not allow double funding and will not finance projects or part of projects that have been funded through other ANR calls or by other funders ANR will cross-check the proposals submitted to ANR through the national and international calls for possible demands of double funding.

Eligible costs	The ANR funding regulations apply https://www.agence-nationale-recherche.fr/RF Among other costs, the following can be applied for Personnel, Consumables, Subcontractings up to 50% of the requested budget per partner), Small Equipment, Travel. Please see http://www.agence-nationale-recherche.fr/RF for full reference Please note that « overheads » correspond to « frais généraux– frais d'environnement » in the ANR funding regulations, and that applicable rates vary depend on the partner's category. Please see http://www.agence-nationale-recherche.fr/RF point 3.1.1.e/ for full reference.
Additional documents required	No
Further information	Please find more information in the "Modalités de Participation pour les Partenaires Français"

Germany – BMBF Federal Ministry of Education and Research	
Specific National/ Regional rules	Legal bodies: • Universities • University hospitals • Non-university research institutes • Industry Note: industry is funded with a maximum of 50-60% of their costs.
Eligible costs	Personnel, Consumables, Animals, Subcontracts, Equipment, Travel, Overheads refer to "Gemeinkosten" (applicable e.g. for Helmholtzcentres and Fraunhofer-Society) as well as "Projektpauschale" (applicable for universities and university hospitals). For further details please refer to the national guidelines "BMBF Formularschrank" [1]
Additional documents required	No
Further information	For further details please refer to the national guidelines "BMBF Formularschrank" [1]

1 https://foerderportal.bund.de/easy/easy_index.php?auswahl=easy_formulare&formularschrank=bmbf#t1

Israel – CSO-MOH Chief Scienist Office, Ministry of Health	
Specific National/ Regional rules	CSO-MOH (Israel) will fund proposals with direct relation to Human Health only. PIs from University, Research centre or Hospital may apply. Research authority must approve position prior to submission. Industrial partners can apply on their own funding only.
Eligible costs	Personnel (students, technicians, applicants excluded); Animals, Materials and consumables; Travel (up to 10%); Institutional overhead 10%. No permanent equipment
Additional documents required	If the application involves human or animal experiments, bioethics approvals must be submitted with the application or up to 4 months later.

	Prior to submission, researchers will submit to CSO-MOH an abstract approved by their research authority including detailed budget distribution. This abstract describes their work in the consortium (not the consortium submitted abstract). No submission of abstract can lead to disqualification of the whole application, as well as the consortium. Reports will be submitted annually to CSO-MOH.
Further information	Please see detailed national guidelines at https://www.health.gov.il/Subjects/research/International_cooperations/Documents/Era-NetInstructions.pdf

Italy – MIUR Ministero dell'Istruzione, Università e Ricerca	
Specific National/ Regional rules	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/programmazione-congiunta/jpi-amr.aspx) and in the applicable Italian laws. Fund used: FIRST (Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica) Applicable laws and rules (downloadable from 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
Eligible applicants	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". Only one Italian participant requesting funding to MIUR is allowed. A Principal Investigator can participate (either as coordinator or as partner) in only one project proposal requesting funding to MIUR
Eligible costs	All activities classifiable as Basic research, Industrial research and Experimental research are eligible for funding. Furthermore, Basic Research and Industrial research activities must be predominant with respect to Experimental research 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.
Type of research funded	The following types of research are funded: Basic research, Industrial Research and Experimental Research.

<table>
<tr><td></td><td>
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:
<table>
<tr><td colspan="2" rowspan="2">Applicant typology

Activity typology</td><td colspan="4">Funding Rates</td></tr>
<tr><td colspan="3">Enterprises and private research bodies (which do not meet the requirements of research organization under EU Reg. no. 651/2014 of the Commission - June 17, 2014)</td><td rowspan="2">Universities, public research institutions, research organizations (public and private) in accordance with Reg. EU n. 651/2014 of the Commission - June 17, 2014)</td></tr>
<tr><td></td><td>Small Enterprises</td><td>Medium Enterprises</td><td>Big Enterprises</td></tr>
<tr><td>Basic Research</td><td>grant</td><td>40%</td><td>30%</td><td>20%</td><td>70%</td></tr>
<tr><td>Industrial Research</td><td>grant</td><td>40%</td><td>30%</td><td>20%</td><td>50%</td></tr>
<tr><td>Experimental Research</td><td>grant</td><td>30%</td><td>20%</td><td>10%</td><td>25%</td></tr>
</table>
Max funding per project: € 150.000,00 (co-funding excluded)

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.
</td></tr>
<tr><td>Additional documents required</td><td>
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

<u>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.</u>

<u>Any participant who does not submit its national documents by the deadline of the pre-proposal phase, will be considered not eligible for funding.</u>

All Italian partner requesting funding to MIUR, which are admitted to the second step of the call, will be required to submit further documents describing more in detail the participant itself and its research activities within the project.

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

The admission for funding is subject to the adoption of the necessary accounting and administrative measures for the allocation of the resources.

Italian Partners in a project selected for funding are required to sign a Consortium Agreement (CA) with the other project partners, in order to govern a number of legal issues that might arise during and after the implementation of a project.

For Italy, the CA is an essential document to be provided to MIUR for the issuance of the granting act by the ministry after the end of the second step of the international selection procedure.

Funded participants will be requested to submit financial and scientific reports to MIUR.
</td></tr>
<tr><td>Further information</td><td>Further information can be primarily found and asked though a dedicated FAQ section on http://banditransnazionali-miur.cineca.it</td></tr>
</table>

	Useful links: - http://www.ricercainternazionale.miur.it/era.aspx - http://www.ricercainternazionale.miur.it/era/programmazione-congiunta/jpi-amr.aspx - http://banditransnazionali-miur.cineca.it - http://www.ricercainternazionale.miur.it/evidenza/normativa-prog-internazionali.aspx

Italy – IT-MOH **Italian Ministry of Health**	
Specific National/ Regional rules	Only Scientific Institutes for Research, Hospitalisation and Healthcare (Istituti di Ricovero e Cura a Carattere Scientifico pubblici e privati, IRCCS) are eligible. No industrial partners are eligible. The simultaneous participation in proposals submitted to different transnational research calls, funded by the It-MoH, is not allowed to Italian Principal Investigators or other research team members.
Eligible costs	Eligible cost according to the national regulations. Only costs generated during the lifetime of the project can be eligible. -Personnel (only ad hoc contracts /consultants/ fellowship, max 50% of the requested fund); - Travel expenses and subsistence allowances (also associated with training activities) only linked to the project. (max 10% of the requested fund); -equipment (rent/leasing only, no limit), -consumables (no limit), -dissemination of results (publications, meetings, workshops etc.- max 1% of the requested fund); -data handling and analysis (no limit); -overhead (maximum 10% of the requested fund).
Additional documents required	The Ministry of Health will grant an eligibility clearance to the applicants prior to the submission of the pre-proposals. To this end, it is mandatory that the applicants fill out and return a pre-eligibility (Italy_MOH_mandatory_pre-eligibility check form) check form trough IRCCS Scientific Directorate or Regional Office Health Research using WFR System 10 days before submitting their pre-proposals to the Joint Call Secretariat. Any participant, who does not submit its national documents by the deadline of the pre-proposal phase, will be considered not eligible for funding.
Further information	For Italy, the project's participation is limited to one partner for every Italian funding organisation (maximum two Italian partners for project; maximum one for MIUR and one for It-MoH)

Latvia – VIAA **State Education Development Agency**

Specific National/ Regional rules	1. Funding of industrial partners is eligible only if they represent business enterprises entered into the Latvian Commercial registry, assumed they are eligible to do the specific research and are in possession of necessary resources in Latvia. The main activity should be in Latvia. Limitations of EU legislation apply (R651/2014) together with financial reporting and audit requirements. 2. The other category of partner eligible for funding by VIAA is Research institutions: Universities, research institutes, other research institutions –must be listed mandatory in the Latvian register of scientific institutions. They must comply with Research and knowledge-dissemination organization criteria (R651/2014). Any other type of participants is not covered by VIAA mandate.
Eligible costs	Per partner: 70,000 EUR/year, i.e. maximum grant per partner is 210,000 EUR for a 3-year project. • Personnel costs incl. taxes; • Consumables; • Subcontracts (up to 25% of direct costs), needs detailed justification, includes all external services, project core activities cannot be subcontracted; • Equipment (only depreciation costs); • Replaceable and fully consumable during project elements of equipment, materials and animals; • Travels (according to travel plan); • Indirect costs (up to 25% of direct costs excluding subcontracting). Costs must be research and innovation costs, there is no support for other activities
Additional documents required	Applicants might be asked to provide additional information in order to assess their eligibility. Applicants are obliged to provide any information specified by Provisions of the Cabinet of ministers No 259, 26.05.2015 upon request.
Further information	See Provisions of the Cabinet of Ministers: http://likumi.lv/ta/id/274671-atbalsta-pieskirsanas-kartiba- dalibai-starptautiskas-sadarbibas-programmas-petniecibas-un-tehnologiju-joma They should be followed without any exception. All limits and conditions contained in the Provisions in relation to ERA-NET Cofund are an eligibility criteria for funding. Scientific and financial reports should be provided as requested by VIAA.

Netherlands – ZonMw / NWO-WOTRO The Netherlands Organisation for Health Research and Development / The Netherlands Organisation for Scientific Research	
Specific National/ Regional rules	ZonMw will avoid double funding and will not finance projects or part of projects that have been funded through other calls. ZonMw will cross-check the proposals submitted to ZonMw through the national and international calls for possible demands of double funding. Max. 300,000 EUR per project (1 Dutch participant in the in the consortium: max 300,000 EUR, 2 Dutch participants in the consortium: max 300,000 EUR for the both of them together)
Eligible costs	Please consult the ZonMw terms and conditions or your national contact person. There will be a maximum of € 3000.000 per consortium available.
Additional documents required	No
Further information	Please consult the General Grant conditions ZonMw or your national contact person. ZonMw will fund Social Sciences. LMIC's can be funded under the restricted condition of subcontracting and for just a limited part of the budget. Please contact ZonMw for more detailed information. NWO-WOTRO can co-fund Dutch projects that include LMIC partners and contribute to capacity building and global development. The budget for this co-fund is 150.000 euro.

Norway – RCN The Research Council of Norway	
Specific National/ Regional rules	See national guidelines for Researcher projects (https://www.forskningsradet.no/en/Researcher_project/1195592882768). Please note that you can only be partner or project manager on *one* application in this call.
Eligible costs	1.5 M EUR for the total 3-year period. 700,000 EUR per project for the total 3-year period
Additional documents required	No
Further information	

Poland – NCN National Science Centre	
Specific National/ Regional rules	UNIONO funding regulations apply – see the UNISONO document. **Who can apply**? Any researcher, with a **doctoral degree**, employed at a Polish institution may act as a Principal Investigator. Industrial partners are eligible but not required. **Project duration**: 24 or 36 months

	The Polish part of the project submitted in this call must involve **basic research** (original experimental or theoretical research work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts). If one international project includes **partners from two different Polish Host Institutions**, these institutions must complete the UNISONO proposal as **a group of entities**. Each partner in the group has a separate budget, but the limit on project team salaries applies to the group of entities as a whole (UNISONO, p. 7).
Eligible costs	See UNISONO (pp. 7-14) **Indirect costs (overheads)** must not exceed a maximum of **40%** of the total eligible direct costs (excl. equipment) and may not be increased during the course of a research project.
Additional documents required	At the full proposal stage Polish applicants must complete their UNISONO proposals in the ZSUN/OSF submission system. This proposal includes a separate budget table.
Further information	Industrial or business partners can be funded but participation of industry/business is not required.

Romania – MCI **Ministry of Research and Innovation**	
Specific National/ Regional rules	
Eligible costs	
Additional documents required	
Further information	

South Africa– SAMRC **South African Medical Research Council**	
Specific National/ Regional rules	
Eligible costs	
Additional documents required	
Further information	

Spain– ISCIII **National Institute of Health Carlos III**	
Specific National/ Regional rules	
Eligible costs	
Additional documents required	
Further information	

Sweden – SIDA **Swedish International Development Cooperation Agency**	
Specific National/ Regional rules	
Eligible costs	
Additional documents required	
Further information	

Sweden – SRC Swedish Research Council	
Specific National/ Regional rules	Max. 300,000 EUR per project (1 Swedish participant in the in the consortium: max 300,000 EUR, 2 Swedish participants in the consortium: max 300,000 EUR for the both of them together). No funding of industrial partners.
Eligible costs	The same as for applications for SRC project grants
Additional documents required	Swedish project leaders participating in the call for support from the Swedish Research Council shall also submit an application using the Swedish Research Council's application system Prisma: Prisma: See information in in Swedish and English.
Further information	See national guidelines: https://vr.se/english/calls-and-decisions/grant-terms-and-conditions/general-grant-tc.html

Annex C: Guidelines for Consortium Agreement for Project Participants

Each consortium should provide a Consortium Agreement (CA) signed by all participants before the start of the project to clarify the potential IPR matters (such as licensing in, licensing out, and patent and exploitation strategy). The CA must address (as a minimum), the following points:

- Common start date and duration of the research project
- Organisation and management of the project
- Role and responsibilities of each partner, resources and funding
- Confidentiality and publishing
- Intellectual Property Rights
- Decision making within the consortium
- Handling of internal disputes
- The liabilities of the research partners towards one another (including the handling of default of contract).

A declaration on the signing of the CA must be sent to the JPIAMR secretariat within 12 months after the start of the projects. Any issues regarding funding are a bilateral matter between each project partner and the relevant funding organization and should be excluded from the CA. The CA together with any other information required by national/regional regulations must be made available on request to the national funding agencies.