JPIAMR Guidelines for applicants

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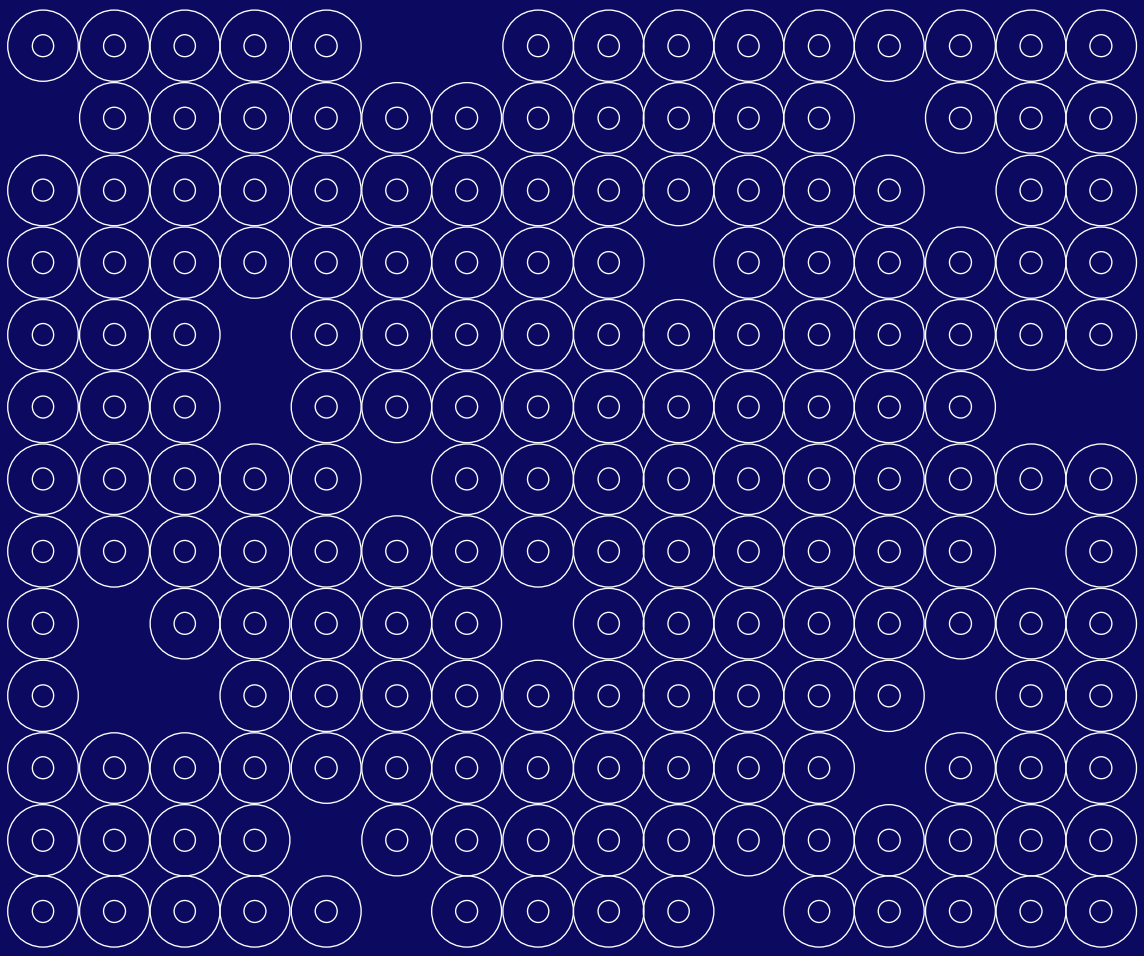

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Joint Programming Initiative on Antimicrobial Resistance

Contents

JPIAMR Calls 1
Introduction 1
Objectives of JPIAMR Calls 1
Rules for participation 2
Gender dimensions 2
Types of funding 2
Transnational research project grants 3
Composition of consortium 3
Eligibility of consortium partners 4
Application system 4
Pre-proposal format 4
The pre-proposal application form contains the following sections: 4
Full Proposals 6
The full-proposal format 7
Evaluation of transnational project proposals 9
Post-Award administrative requirements/reporting 12
Transnational Networks 17
Characteristics and mode of operation of the Networks 17
Eligibility and Composition of Networks 17
Submission of Transnational Network proposals 18
Evaluation of transnational Networks proposals 19
Evaluation criteria of Networks 19
Scoring system of Networks 20
Post-award requirements 20
Privacy 22
Contact persons 22
Appendix A: Guidelines for Consortium Agreement for transnational Project/ Network participants 23
Appendix B. Letter of intent 24

JPIAMR Calls

Introduction

JPIAMR calls are transnational joint calls by research funding organisations from JPIAMR member countries that have decided to take part in the specific call. The calls enable researchers to collaborate across national and scientific borders to tackle the global challenge of antimicrobial resistance. JPIAMR calls are open to all eligible scientists (and for some participating funders also eligible SMEs) from the countries participating in the call.

The total budget of a JPIAMR call is the sum of research grants made available by the participating funding organisations, where each national organisation will fund only scientists eligible to receive its national grants (i.e. a Virtual Common Pot). Hence, applicants must adhere both to the specific regulations of their national funding organisation/s and the JPIAMR rules according to these guidelines.

This document describes the application guidelines in general terms. Please, read carefully the specific call text for a specific call and the relevant central and regional/national eligibility and budgetary criteria before starting your proposal.

Objectives of JPIAMR calls

The JPIAMR Strategic Research and Innovation Agenda defines six prioritised areas/pillars where research is needed. It serves as guidance for prioritising topics for JPIAMR calls for project proposals and networks as well as for the development of national research agendas and calls. All JPIAMR calls should fund excellent science that aims to close knowledge gaps.

JPIAMR calls aim to fund research proposals that address the following general objectives:

- **Expected impact of proposal on reducing the burden of AMR**
  JPIAMR research projects should have high impact on reducing the burden of AMR providing added value to society as a whole, public health, and economy, by closing knowledge gaps, discovering new drugs, developing diagnostics, and preventing the emergence and transmission of AMR. The funded projects are expected to have high impact on the translation of research into clinical practice, commercialisation of outputs, and policy uptake, in the near future.

- **Expected importance of the project on generating AMR research to provide efficiency of scale, international collaboration, and capacity building**
  JPIAMR research projects should combine scientific and interdisciplinary competences and data, enabling larger scale projects that use resources and infrastructure not available within a single country, thus in a cost-effective way avoiding duplication and fragmentation of AMR research in the participating countries. Projects should be managed by international consortia building new networks between researchers, enhancing and increasing data sharing, using

existing infrastructure, building capacity, and strengthening the European Research Area and the cooperation with non-European countries.

In addition, each call may also have specific objectives that proposals need to address.

Rules for participation

Prior to submitting the proposal, applicants should refer to the national eligibility criteria and requirements in the call text, and contact their respective national funding organisation, as specified in the call text.

Gender dimensions

Gender equality is an important consideration in research projects. Consortia, where relevant, should describe how the gender dimension, i.e. sex and/or gender analysis is taken into account in the project's content. Please note that this does not only refer to gender balance in the teams in charge of carrying out the project but also to the content of the planned research and innovation activities. Sex and gender analysis refers to biological characteristics and social/cultural factors respectively.

Types of funding

The JPIAMR currently employs three different types of funding; (1) research project grants and (2) Network grants and (3) Network Plus grants. Research project grants are three-year grants and Networks and Networks plus should be active for between 6-24 months[1]. Applicants should refer to the call text for specific conditions regarding type and period of funding.

[1] *This may vary depending on the call. Please refer to the call text for individual calls for more information.*

Transnational research project grants

Research project grants are peer reviewed in a two-stage procedure. At both stages, a single joint proposal document shall be prepared by the project participants of a joint transnational proposal, to be submitted to the joint call secretariat via the online submission tool by the Coordinator of the proposal according to the specific instructions of the call text.

The two-step application process (pre-proposal, full proposal) generally follows the following timeline:

January	**Publication of the JPIAMR Call**
March	**Submission deadline for pre-proposals**
May	**Full proposal invitations sent to project coordinators**
July	**Submission deadline for full proposals**
October/November	**Final funding decision announced to applicants**
December/January following year	**Start of funding**

Note: *This timeline is indicative. Please check the call text for the exact timeline.*

Composition of consortium

- A minimum of three (3) eligible partners from three (3) different countries participating in the call. In addition, when the call is co-funded by the European commission, at least two out of these 3 partners must be eligible for funding from two different European countries (or associated countries) participating in the call.
- A maximum of six (6 or 7) eligible research partners, as specified in the call text. Partners not asking for funding must also be included in the project proposal. Consortia should always consist of a majority of project participants eligible for funding. The budget of non-funded partners shall not exceed 30% of the total transnational project budget requested.
- The consortium coordinator must be eligible to receive funding from the funding organisations participating in the call.
- Project partners not eligible to be funded cannot be consortium coordinators and, like funded members, must accept all JPIAMR rules and guidelines.
- Encouraged (see what applies to the specific call):
  - Participation of partners from LMICs.
  - Projects engaging end users and stakeholders, for example policy makers, industry and/or patient organisation, etc.
  - Participation in widening mechanisms

Note that specific rules for consortium may vary in different calls which will be clearly specified in the call text for each specific call.

Eligibility of consortium partners

The consortium coordinator must verify that each partner involved in the project proposal is eligible to receive funding by its funding agency. Non-eligible partners must submit a signed statement declaring that they will run the project with their own resources.

Any calls open to industry partners will be clearly identified in the call text and additional terms and conditions of funding for each member state will be included in the annex for national rules and requirements.

***Note**: Proposals that do not meet the national eligibility criteria and requirements will be declined without further review.*

Application system

The application must be submitted electronically as specified for the call in question at JPIAMR homepage. No other routes are accepted.

The joint proposal document should be in English, and follow the template provided at the call web page. The application should be prepared by the project participants and submitted by the coordinator, using the online application tool (see above).

In addition to the information required in the electronic application system, applicants are required to fill in and upload the "JPIAMR pre-proposal application form" to the submission tool.

The whole application must be written in page format DIN A4 (specify format in cm) using Arial 11, single-spaced, margins of 1.27 cm. Incomplete proposals, proposals using a different format or exceeding length limitations of any sections will be rejected without further review.

Pre-proposal format

An overview of the main headings and their sub-headings of the pre-proposal form is listed below. For more details, please read the specific call text carefully.

The pre-proposal application form contains the following sections:

1. **Project title and acronym**
    a. Title: max. 150 characters including blanks
    b. Acronym: max. 20 characters
2. **Consortium coordinator**
3. **Research partners** (see table in application form)
    a. Research partners asking for funding
    b. Associated research partners not asking for funding
4. **Duration of the project** (max. 36 months)

5. **Total requested funding**
6. **Keywords**
   Identify between three (3) and seven (7) keywords that represent the scientific content.
7. **Scientific area**
8. **Abstract** (max. 1600 characters including spaces)
9. **Description of the project** should include:
   a. Background, current state of the art and preliminary results related to the proposal;
   b. Description of the knowledge gap, unmet medical/societal need or One Health benefit and/or technical or implementation challenge that is addressed by the proposed work;
   c. Description of the work plan, including objectives, rationale, methodology, expected deliverables, novelty, feasibility, role and integration of the different partners;
   d. Diagrams, of the work plan, figures etc. to support the workplan, timeline, work flow and interconnections of work packages (Gantt chart, Pert or similar).
10. **Impact of the project**
    a. Expected impact on AMR (with One Health perspective if relevant) of the results of your proposed work
    b. Specific added value achieved by transnational collaboration
11. **Consortium** (max one A4 page per partner)
    a. Roles and responsibilities of partners (for each partner individually).
    b. History of partnerships
12. **List of references** (max. one A4 page)
13. **Budget table** (optional, see template in pre-proposal form)
    Budget should be specified in accordance with national regulations. For budget questions, applicants must refer and adhere to their own specific national regulations and scientific remits as detailed in the National and Regional Requirements.
14. **CV for each principal investigator including** (maximum one A4 page):
    The CV for each Principal Investigator should include a description of PIs main domain of research and a list of the five (5) publications most relevant to the project published within the last five (5) years, and if applicable, a list of 5 patents and/or freely available computer programs that the PI has developed and that are relevant for the project.
15. **Date and signature of the coordinator and signed letters of intent from partners uploaded** (Appendix B of this document)

Additional call-specific elements and sections may be included in the template.

Full Proposals

After the initial peer review process, selected consortia will be invited by e-mail from the JCS to submit a full proposal. The full proposal should be submitted using the JPIAMR "Full proposal application form". In the full proposal, applicants should respond to suggestions, questions or comments from the review of the pre-proposal.

***Note**: Changes to proposal between pre- proposal stage and full proposal must be approved by the JCS and by the respective national funding organizations involved in the proposal before the submission of the full-proposal.*

The following modifications are allowed when preparing a full proposal. In any example below, the total number of partners should respect the maximum number of partners allowed:

- Changing the consortium is normally restricted to one research group applying for funding (i.e., only one research group may be added, removed or exchanged) and in the following cases:
  - where a research group from the pre-proposal has been declared non-eligible by the respective funding agency
  - where the modification is based on the feedback from the pre-proposal evaluation by the PRP.
  - A partner from an under-subscribed country is added.
- Research groups not applying for funding (external collaborators) can be included, excluded or changed if justified in the full-proposal. Please note that the total number of partners should respect the maximum number of partners allowed.
- Changes to the work plan should be based on recommendations done during the preproposal evaluation or they must be well justified in the full proposal.
- Changes to the budget of individual research groups are allowed. However, this requires approval by the respective funding organisation and must be scientifically justified.

Full proposals will be accepted only from those applicants explicitly invited by the JCS to submit them. The information given in the pre-proposal is binding (i.e., changes to the overall plans may not be made).

Applicants are responsible for ensuring that any changes are in line with the eligibility criteria of the call (see Call text). Changes that exceed the conditions for revision (see above) or result in full proposals not meeting the eligibility criteria may be rejected without further review. Applicants must consult their respective funding organisation in advance of submission if modifications of the proposal are considered.

Full proposals must be submitted by the coordinator in electronic format.

Adhering to the application template is a requirement. Any changes introduced in the revision phase should be described and justified in the full proposal for which a separate section will be provided. Applications should also respond to suggestions, questions, or comments from the reviewers.

The full-proposal format

An overview of the main headings and their sub-headings of the proposal form is listed below. For more details, please read the specific call text carefully.

Part A. Basic project data

1a. Project title
1b. Project acronym
2. Consortium coordinator (partner 1)
3. Research partners
    - Research partners asking for funding
    - Associated research partners not asking for funding
4. Project duration (max. 36 months)
5. Total requested funding
6. Keywords
7. Abstract

Part B. Project description

Mandatory: Information for the reviewers or comments on the reviewers' feedback from the preproposal evaluation.

1. **Project description** (max 4 A4 pages)
    a. Background and current state of the art in the research field and preliminary results;
    b. Description of the knowledge gap, unmet medical/societal need or One Health benefit and/or technical or implementation challenge that is addressed by the proposed work;
    c. History of partnership. Highlight any prior work related to partnership;
    d. (If applicable) Identification of how the priorities/interests of LMIC stakeholders/partners are included in the proposed work
    e. (If applicable) Identification on how the engaging end users and stakeholders and/or a widening participation are included in the proposed work
2. **Description of the aims** (max one A4 page);
3. **Work plan** (max. 10 A4 pages), it must contain:
    a. Describe the work program including the importance of the research, objectives, rationale, and methodology highlighting the novelty, originality and feasibility. Explain the statistical power of your experiments.
    b. Clearly define role and responsibilities and workloads [expressed in person months] of each participating research partner. Describe the research teams and research environment. Comment on how participation and integration of partners in the project is allowed and facilitated. Comment on how the management of the proposal will be achieved.

4. **Work plan and timeline as diagram** (max one A4 page)
   The diagram must demonstrate the work plan, timeline, sequencing of work packages, the contribution of the partners to each work package and their interactions (Gantt chart, Pert or similar)
5. **A) Impact** (max one A4 page)
   a. Expected impact on AMR (with one health perspective if relevant) of the results of your project
   b. Specific added value achieved by transnational collaboration, particularly if LMICs are included.
   c. Potential to reach a broad impact;
   d. Potential for translation, upscaling, use in different geographic or demographic settings;
   e. Specific added value achieved by transnational collaboration,

   B) Impact Pathway (complete table max. 2 A4 pages)
   Present schematically in the diagram how the research is thought to achieve impact, by integrating scientific and development objectives. For outputs and outcomes please also include indicators.
6. **Outputs, dissemination and data management**
   a. Explain how you are going to exploit and disseminate your research results; please specify your research uptake strategy per target group and/or stakeholder;
   b. Explain how your data will be managed within and outside of the consortium (short data management plan). Explain how your data management plan will follow the FAIR principles (Findable, Accessible, Interoperable, Reusable). The data management plan must be made available upon request from JPIAMR or funders;
   c. Explain how the outcomes of the interventions will be sustainable (including strategy to identify and address potential barriers) and will go beyond the current project (long term strategy);
   d. Include Open Science practices and intellectual property management.
7. **Ethical aspects**
   In this section any information about relevant ethical aspects of the project must be included. If a research permit or a statement by an ethics committee is required for the implementation of the project, applicants should provide information on the permits or permit proposals. Any proposal which seems to contravene fundamental ethical principles or to fail to comply with national ethical regulations will not be selected and may be excluded from the evaluation and selection procedure. Judgment of the significance of ethical issues will be made by using the criteria published by the Commission in its guidelines for the Horizon 2020 Framework Programme:

   – Guidance: How to complete your ethics self-assessment
   – Ethics and data protection

   As described in the guidelines this is done by providing an:

   – Ethical issues table
   – Ethical self-assessment

8. **List any potential risks associated to the project results** (max half an A4 page)
9. **Description of patents and present / future position with regard to intellectual property rights, both within and outside the consortium** (e.g. any barriers to sharing materials or translating the results into clinical application)
10. **Research grants** (max half an A4 page per research partner)
    Description of ongoing or submitted research grants of each participating partner related to the present topic
11. **References** (max one A4 page)
12. **Scientific justification of requested budget** (max half an A4 page per research partner)
    Comment on the rational distribution of resources in relation to project's activities, partners responsibilities and time frame; please also specify co-funding from other sources necessary for the project if applicable
13. **Financial plan** (presented in a table provided in the template):
    Sum of year 1-3. For budget questions, applicants must refer and adhere to their own specific national regulations and scientific remits as detailed in the National and Regional Requirements.
14. **Date and signature of the coordinator** (electronic or scanned signature possible)

Part C. Annexes

1. **Brief CVs for each principle investigator** (max one A4 page per Principle Investigator) For instructions, please see the pre-proposal section.
2. **Letter of Intent of each participating partner**
   Declaration on their willingness to cooperate within the research consortium (see appendix B)

Additional call-specific elements and sections may be included in the template.

Evaluation of transnational project proposals

Pre-proposals and full proposals will be assessed by international experts according to 3 main evaluation criteria: 1-Excellence, 2-Impact and 3- Quality and efficiency of the implementation. In addition, specific evaluation sub-criteria differ from call to call. You can find below an example of evaluation sub-criteria. However, please check the call text to verify the sub-criteria specific to the call you wish to apply for.

Evaluation scores will be awarded for the three main criteria, and not singularly for the different aspects listed below the criteria, although these different aspects will be taken into account in scoring the main criteria. In order for an application to be considered fundable, the threshold score for individual criteria is set at three (3) (of a maximum of five (5)). The overall threshold for the score for all three criteria together is set at nine (9). The maximum score that can be reached from all three criteria together is 15 points.

Evaluation criteria

Evaluation criteria proposals

1. Excellence

Criterium	For pre-proposal	For full proposal
a. Fit to the scope of the call.	X	X
b. Clarity and pertinence of the objectives.	X	X
c. Credibility of the proposed approach and methodology, in relation to the research objectives.	X	X
d. Soundness and research base of the concept.	X	X
e. Novelty, ambition, timeliness, and innovation.	X	X
f. Excellence of the consortium with regards to competence, equity and diversity, including strength of scientific collaboration between partners, in relation to the research objectives.	X	X

2. Impact

Criterium	For pre-proposal	For full proposal
a. Impact of the proposal to reducing the development and transmission of antibiotic resistance.	X	X
b. Potential of the expected results for clinical, public, animal, environmental and/or other socio-economic health relevant interventions.	X	X
c. Added value of transnational collaboration and potential for fostering a longer term international network of researchers. For example, bringing together specific know-how and/or innovative technologies, gathering a critical mass of patients or biological material, sharing of resources (models, databases, biobanks, etc.), and international comparisons.	X	X
d. Potential reach of the project results, including dissemination and communication measures.	X	X
e. Potential for translation, upscaling, and use in different geographic settings, including resource-limited settings, and reflecting a One Health perspective (minimum of two One Health settings is obligatory).	X	X
f. Appropriateness of end user and stakeholder participation/engagement, for example, policy makers, industry and/or patient organisation etc.	X	X

3. Quality and efficiency of the implementation

Criterium	For pre-proposal	For full proposal
a. Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks within the given timeframe and balanced participation of project partners (including LMIC participation if appropriate).	X	X
b. Social and gender equity, cultural sensitivity and economic viability of the project consortium and research proposal, including integrating demographic and socioeconomic factors where appropriate.	X	X
c. Quality of the proposed Open Science practices, data management and Intellectual Property management.	X	X
d. Appropriateness of the management and governance structures and procedures, including risk and innovation management.		X
e. Potential sustainability (including strategy to identify and address potential barriers) and relevance of the outcomes of the interventions beyond the current project. (long term strategy)		X
f. Contingency plan, including risk assessment and mitigation (including of unforeseen circumstances like Covid-19).		X
g. Justification of the requested budget and cost-effectiveness of the project (appropriate distribution of resources in relation to project's activities, partner responsibilities and time frame).		X

Scoring system

0: Failure. The proposal fails to address the criterion in question, or cannot be judged due to 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 correction.

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.

Post-Award administrative requirements/reporting

Ethics Approval

Each funded consortium must have all necessary ethics approvals for research on animals, and/or research involving human subjects or data/samples obtained from human subjects according to national/regional law and regulation and in compliance with EU Horizon 2020 rules before initiation of such research. Applications for ethical approval and ethical approvals should be made available immediately to the JPIAMR JCS upon request. JPIAMR may perform an ethical review of research at any time (evaluation and/or Follow-Up of the funded projects).

Deviations from the submitted research plan affecting research under ethical approvals must be reported by the Coordinator of the project to all funding agencies involved in the project.

Any partner of a consortium in breach of research ethics regulation will subject the whole project for re-evaluation by all funding agencies of the project resulting in potential inhibition of all activities, withdrawal of funds, cancelling of contracts, and /or legal action or other sanctions according to national law.

Consent to handle and publish personal information of awardees

By submitting an application to JPIAMR calls members of funded consortia give consent to the JPIAMR to processing of my personal data submitted in the application in accordance with the EU Directive on General Data Protection Regulation (EU 2016/679). The consent includes transfer of my personal data to third countries (non-EU/EEA-countries).

Consortium agreement

The consortium partners of each funded project are required to set up and sign a consortium agreement (CA) in order to deal with the issues related to the role, tasks and responsibilities within the consortium, the protection of intellectual property, and where applicable how the consortium will address the ten Principles of Socially Responsible Licensing (SRL).

***Note**: The points that should be addressed in the CA are detailed in the Annex A of this document.*

The CA needs to be in accordance with the national funding rules of the respective funding organisations. Make sure to verify if and when a signed copy of the CA, or a declaration hereof, needs to be send to the respective funding organisations.

Please see the DESCA website for further information on the development of a simplified consortium agreement under the Horizon 2020 Framework.

Grant and Payment

Each awarded partner will be funded through national/regional grants from their respective funding agency. National reporting requirements apply according to the national rules of each specific country (See Country-specific information). All information on contract issues, payment schedule, and national reporting requirements will be provided by the respective funding agency.

JPIAMR Reporting

Each consortium coordinator, on behalf of the research consortium, shall submit a mid-term research project report 1,5 year after the start of the project, a final research project report, two months after the finalising of the project, including a brief financial report to the JPIAMR secretariat at the end of the project and an ex-post scientific report three years after the finalising of the project. The monitoring of each funded project may also be done in review seminars. The monitoring outcomes will be collected and made accessible to all parties. The overall project monitoring is the responsibility of the JPIAMR secretariat and the coordinator will get a link to the online reporting system, where information is found on how to do the reporting, in good time for the reporting.

In addition to these central reporting obligations, each research team will be requested to comply with the reporting rules of its national funding organisation.

The JPIAMR secretariat may ask the consortia for updated information of the project and its results for promotion and dissemination of JPIAMR activities. Moreover, Coordinators may also be asked to participate in, and contribute to, JPIAMR workshops and events.

Acknowledgements

All dissemination of project results (in any form, including electronic) must include the following text: *"This project received funding from [name of funding organizations, or an acknowledgment as requested by your national/regional funding organizations] under the umbrella of the JPIAMR - Joint Programming Initiative on Antimicrobial Resistance"*. Exception to this acknowledgement requirement can be given upon request by the JPIAMR Call Secretariat. Additionally, it is important and obligatory to adhere to communication conditions from the involved national funding organisations, using correct referencing.

JPIAMR research project no-cost extension request

It is JPIAMR policy to facilitate a national funding organisation decision of a no-cost extension to a grant supporting a JPIAMR research project beyond the initial project period (normally 36 months). Conditions must be met which ensure the completion of the JPIAMR project according to the agreed budget, objectives and deliverables. Please note that if approved, the JPIAMR project time frame is considered extended for all consortium partners including mutual responsibilities of reporting to the JPIAMR with, or without individual national grant extensions. Please see appendix C in this document.

Intellectual Property Rights

The ultimate goal of Joint Programming is to bring together national research efforts in order to make better use of public R&D resources and to tackle common global challenges more effectively in selected key areas.

In order for Joint Programming activities to contribute effectively to socioeconomic growth, the results of the research activities must be exploited. This requires appropriate identification and protection of the intellectual property being generated and an effective knowledge transfer. Any particular protection and exploitation strategy should be agreed before the research activities start. The ten principles of Socially Responsible Licensing (SRL) should be part of this strategy.

Depending on the nature of the research and on the interests of the different parties, if there are opportunities for exploitation, it is recommended that parties decide in advance on either adopting a common exploitation strategy or leaving exploitation of results to the party best placed to commercialise it, with appropriate compensation mechanisms for the contributing parties.

Working with industry partners

Within the JPIAMR member states, there are funding agencies that can fund industry partners directly, those that cannot fund industry directly and those that can fund industry under certain conditions. Any calls open to industry partners will be clearly identified in the call text and additional terms and conditions of funding for each member state will be included in the annex for national rules and requirements.

Academics are strongly encouraged to consult the technology office or administrative supervisor (or equivalent) of their research organisation who will be able to advise them on research partnerships with industry. Careful consideration of both academic and industry needs should be set out in the application. Clear timelines for publication and patent submission that will not unduly risk the objectives of either the academic or industry partners will help to mitigate risk as well as governance structures and procedures to resolve any disputes.

Funding for academic research in partnership with industry undertaken in the EU must comply with EU state aid rules which state that it is illegal for EU countries to give financial help to some companies and not others in a way which would distort fair competition. An open and transparent JPIAMR process with effective guidance material will mitigate against applicants breaching these state aid rules.

Please see the DESCA website for further information on the development of a simplified consortium agreement under the Horizon 2020 Framework.

Open access and FAIR data

Following the ambitions of open science, researchers involved in JPIAMR funded projects must ensure that science and society can be made aware of the information about the project as early as possible in the research process.

In cases where there is information that cannot be shared (either by open access publication, or by sharing of data or biological materials), this must be explained, and substantiated in the reporting template (e.g, temporary confidentiality may be accepted in the case of commercial exploitation).

Publications (open access)

Unless it goes against their legitimate interests, each beneficiary must — as soon as possible — 'disseminate' its results by disclosing them to the public by appropriate means (other than those resulting from protecting or exploiting the results), including in scientific publications (in any medium).

The JPIAMR promotes Green and Gold Open Access measures, as recommended by the EC Recommendation on Open Access policies for Member States (17th July 2012), towards Horizon 2020. Each participant may also be required to comply with the Open Access policy of its funding organisation (See Country-specific information in specific calls).

In the context of the JPIAMR, the following policy applies:

- Publishing costs in an open access context, related to scientific results obtained in the context of a JPIAMR project, should, in principle, be considered eligible. National funding regulations may apply (see Country-specific requirements in specific calls).
- Authors are encouraged to retain their copyright or, in case of transfer of copyright to third parties, at least to retain the right to disseminate via open access. National funding regulations may apply (see Country-specific requirements in specific calls).

Research data (FAIR)

JPIAMR requires grant holders to make their data as much as possible Findable, Accessible, Interoperable, and Reusable (FAIR). FAIR data may also be open data, however, restricted access to FAIR data is also possible. FAIR data allow researchers to verify research results and reuse data in future research. FAIR research data can typically be accessed, mined, exploited, reproduced and disseminated: under certain conditions, or free of charge for the user (=open).

Also biological materials (biospecimens, microbial strains/samples, molecular derivatives) need to be FAIR. This may be done by describing the biomaterials with metadata (and these are digital) Also biological materials (biospecimens, microbial strains/samples, molecular derivatives) need to be FAIR. This may be done by describing the biomaterials with metadata (and these are digital).

In the context of the JPIAMR, the following policy applies:

- JPIAMR expects researchers to create reusable research data and biological materials, and to maximize the opportunities to make the research data generated from their scientific work available.
- In case that data originate from ongoing projects, the funding conditions related to those projects need to be taken into account. These conditions cannot be overruled by conditions for new projects.
- At the end of your project, you need to provide information on how the data and/or biological materials can be found (e.g. catalogue), where they are stored (repository), the conditions for access or use to the resources (e.g. open or restricted access).

What do you need to do in the application phase?

- Check the requirements for data management and data sharing of your national funder;
- Plan the collection of research data, and biomaterials. Start planning a DMP (data management plan); consult a data expert; look for services from research infrastructures.
- Search for reusable data and biomaterials; ask for permission to use these.
- Take costs for data management and infrastructure into account when planning your budget.

Further information can be found at:

- The JPIAMR website with information about research infrastructures and the actions to create FAIR research data and biological materials
- The Science Europe *Practical Guide to the International Alignment of research Data Management* with (1) core requirements for data management, allowing funders and research institutes to align their RDM requirements and template; (2) criteria for the selection of trustworthy repositories for storing and sharing research data.
- The Horizon 2020 *Guidelines on Open Access to Scientific Publications and Research Data* with indications on how researchers can comply with their responsibilities regarding research data quality, sharing and security.
- The BBMRI services for ethical, legal and societal issues (ELSI)

General Data Protection Regulation (GDPR)

All parties, funding organisations and project partners on the applications must comply with the European General Data Protection Regulation (2016/679).

By submitting an application to JPIAMR calls all consortium partners in the application give consent to the JPIAMR to process their personal data submitted in the application in accordance with the EU Directive on General Data Protection Regulation (EU 2016/679). The consent includes transfer of personal data to third countries (non-EU/EEA-countries).

Transnational Networks and Network Plus

The Networks set out to assemble motivated groups of leading experts to enhance resource alignment and maximise existing and future efforts to combat AMR by pushing forward the conceptualisation of ideas and in turn providing white papers, prospective views, guidelines and/or best practice/roadmap/systematic reviews and frameworks of value to the wider research community. Note that the Network calls are not for research. Based on the priority topics identified in the JPIAMR Strategic Research and Innovation Agenda, calls tackle one or more of the suggested focal areas. Networks should be assembled with an emphasis on what is needed at a National and International level to address AMR.

Characteristics and mode of operation of the Networks

- The Networks should be guided by a network project plan and complete the work in a 6-12 month period (plus 2 months to deliver the final report)2.
- Networks should involve key opinion leaders with an internationally competitive track record in AMR research and policy.
- They should be led by an individual with the capacity and commitment to drive a collaborative group and output-directed process. This individual does not necessarily need to be the most senior person in the Network.
- A typical arrangement would entail small workshops at the beginning and end of the process, with sub-groups established to achieve more focused work through remote working.
- Consideration should be given to establishment of an external reference group to ensure that objectivity is maintained in developing the Network conclusions and recommendations.

Eligibility and Composition of Networks

- Applications must be led by a coordinator from an eligible institution within one of the JPIAMR participating countries in the call.
- Only transnational Networks will be funded. To qualify for funding, each proposal must involve at least 6 partners from 6 different countries[3].
- As a cross-JPIAMR activity, experts from all JPIAMR member countries may participate in the Networks, including experts from countries that are not financial participants in the call (http://www.jpiamr.eu/about/participating-members/). In addition, Networks can include key expertise from non-JPIAMR countries.
- Network contributors are permitted to be members of more than one Network however, individuals cannot act as Network coordinator for more than one proposal.
- Following the evaluation of the proposals, the participating funding organisations will align Networks selected for funding with the funding available.

[2] For specific calls, such as Network Plus, the duration of the Network activities can vary. Please see specific call texts for more information.

[3] For specific calls, such as Network Plus, the number of contributors in each Network can vary. Please see specific call texts for more information.

- Members can be added to the Network as the Network develops further, and if additional experts and knowledge would benefit the Network output success. Albeit within the original budget for the Network.

Networks are encouraged to consider:

- Participation of partners from LMICs.
- Participating in widening mechanisms (specified in specific call texts)
- The facilitation of the upbringing of young generation of researchers (PhD and postdocs) and new investigators.
- Gender aspects and diversity in the Network partners.

Submission of Transnational Network and Network Plus proposals

The application form is available on the JPIAMR website in connection to the specific call. Submission of proposals will be done using the Application Form provided. Application forms must be submitted by the Network coordinator on the online submission website.

Applications must cover the following:

- the rationale for the proposed activities, identifying a clear question to be addressed, and why the outputs will uniquely contribute to moving AMR research forward;
- the objectives and mode of operation of the Network, specifying the work-plan and timeline for delivery;
- the identity of the experts to be involved, specifying the leadership/coordinator for the exercise;
- where appropriate, the identity of experts who will act as an advisory reference group for the process to help validate the outputs;
- Network project plan with expected outcomes and deliverables, including dissemination.
- a breakdown of the budget requested;
- the interest from the network in organisation start-up meeting or final review seminar of funded networks

The general timeline of a Network call[4] is:

Jan - April	Publication of the transnational call for Networks
May/June	Deadline for proposal submission
August - September	Evaluation TC Meeting and funding recommendation to national funding agencies
December - January	Expected Network start (also subject to national procedures)

[4] *For specific calls, such as Network Plus, the timeline for Network calls can vary. Please see specific call texts for more information.*

Evaluation of transnational Networks proposals

Proposals will be assessed by international experts according to specific evaluation criteria (see below).

Evaluation criteria of Networks

Three different criteria are used for evaluation of proposals:

1. **Excellence**
    a. Importance of network aims, including the question it seeks to address, and appropriateness of activities in meeting these aims.
    b. Clarity and pertinence of the objectives of call, the JPIAMR Strategic Research and Innovation Agenda, and relevant global or international AMR action plans, including the UN 2030 Sustainable Development Goals.
    c. Credibility of the proposed approach with respect to relating to, or incorporation of existing networks, and/or previous experiences and results thereof.
    d. Soundness of the concept, with respect to inclusion of key experts, stakeholder perspectives (e.g. industry, health care, patients, policy level), both new and well-established researchers, and geographical coverage of JPIAMR member states and beyond.
    e. Network potential to establish new and broader partnerships for collection and aggregation of new knowledge, joint analysis of scientific problems, and the development of innovative solutions with relevance for JPIAMR member states.
    f. Competence and experience of key experts/organisations in the field(s) of the proposal (previous work in the field, expertise)
2. **Impact**
    a. Potential of the expected output to direct and/or support future AMR research, education, and clinical practice.
    b. Potential of the expected output for uptake by industry to support innovation and development of new therapies, diagnostics, and infection control measures.
    c. Potential of the expected output to provide guidance or an evidence-base for public health, animal health, regulatory, environmental and/or other AMR relevant polices.
    d. Added-value of transnational network: Potential to pool talent and resources in new constellations, harmonisation of data, sharing of specific know-how and/or innovative technologies, support policy alignment, knowledge transfer, and capacity building in JPIAMR member states and beyond.
    e. Potential for JPIAMR to exploit, share, and disseminate the network output for the purpose of engaging in collaborations with international organisations and national governments and agencies.
3. **Quality and efficiency of the implementation**
    a. Coherence and effectiveness of the work plan, including detailed process description, well-defined output and time plan, appropriateness of the allocation of roles and complementarity of participants, tasks, resources and governance.
    b. Appropriateness of the management structures and procedures, including Network administration, communication and coordination.

c. Concept for sustainability of Network after end of the project
d. Budget and cost-effectiveness of the Network (rational distribution of resources in relation to Network's activities, coordinator's responsibilities and time frame)
e. If applicable: Clarity of rationale for integration of collaborators within the Network, including:
    - LMIC/widening participation.
    - Multiple areas of One Health

Scoring system of Networks

A scoring system from 0 to 5 will be used to evaluate the proposal's performance with respect to each of the different evaluation criteria:

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 scores will be awarded for the three main criteria, and not singularly for the different aspects listed below the criteria, although these different aspects will be taken into account in scoring the main criteria. In order for an application to be considered fundable, the threshold score for individual criteria is set at 3 (of a maximum of 5). The overall threshold for the score for all three criteria together is set at 9. The maximum score that can be reached from all three criteria together is 15 points.

Post-award requirements

Expected outputs and evaluation

- Networks are required to produce a report no later than 2 months after the end of the funding period. This should contain, for example, white papers, prospective views, guidelines, and/or best practice frameworks, and will be published on the JPIAMR website. This report is expected to act as a reference point for the wider AMR research community and stakeholders in planning/delivering future research studies.
- Applicants should also put forward an appropriate plan to disseminate the outcomes, for example, through formal publications in scientific journals or in

workshops. This should be done in liaison with the JPIAMR, through the Joint Call Secretariat.
- In addition, unless the JPIAMR requests or agrees otherwise or unless it is impossible, any dissemination of results (in any form, including electronic) must include the following text: "This project has been supported under the framework of the Joint Programming Initiative on Antimicrobial Resistance". Additionally, it is important and obligatory to adhere to communication conditions from the involved national funding organisations, using correct referencing.

The applicants will refer to the quick guide displayed on the JPIAMR website or on the online submission tool to provide an overview of the Intellectual Property and Open Access issues. This is a support document to be taken into account within the JPIAMR funded projects.

- It is recommended that Networks invite one or two JPIAMR members to their organised workshops or meetings (at least once during the Network funded period) as observers at the JPIAMR member's expense and not the expense of the Network budget.
- Successful Networks will be asked to organise a final and common review seminar to present their results (indicated in the application). This meeting will be supported by JPIAMR funding.

General reporting requirements and other obligations of JPIAMR grantees

The coordinator will be funded by national grants for the Network. The grant should be used for meetings, workshops, and travel in order to fulfil the goal of the network. The Coordinator of funded consortia have an obligation, in addition to any national reporting requirements, to submit a report to the JPIAMR secretariat within two months of the final date of the project. The Network will also be required to take part in a workshop presenting their results. The workshop will gather all successful Networks that were funded by the call and will be hosted by one of the Networks.

In addition, grantees have an obligation to supply, besides the respective national funding organisations and JCS, the JPIAMR secretariat with updated information of the consortium and its results for promotion of the call, if requested. Additionally, it is important and obligatory to adhere to communication conditions from the involved national funding organisations.

All dissemination of results from the funded projects should acknowledge funding from the respective national funding organisations as well as JPIAMR. Coordinators are expected to participate in and contribute to JPIAMR workshops and other events associated with this call.

Privacy

Responding to a JPIAMR call for proposals, both as coordinator or partner, gives JPIAMR and associated funding agencies (i.e. the CSG) the right to use and store the information submitted for analysis of the call success rate, national response rate, etc. Information will only be shared between members of the call steering group and the JPIAMR secretariat. No individual/private data will be published.

Accepting a JPIAMR grant award and associated grant contract from a national funding agency gives JPIAMR and associated funding agencies (i.e. the CSG) the right to store, share, publish and analyse information on beneficiaries and consortia (rules may differ between different countries). No data will be shared with third parties or commercial entities.

Contact persons

The only official line of communication for the proposal is between the Joint Call Secretariat and the project/network coordinator. The 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 the specific call text for contact details.

Please note that country specific requirements apply to any call. Compliance with the national/regional regulations specified in the call document country specific information is mandatory. Contact your national/regional funder for information about the specific national requirements.

Appendix A: Guidelines for Consortium Agreement for transnational Project/Network 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 (if applicable)
- 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).

Any issues regarding funding are a bilateral matter between each project partner and the relevant funding organisation 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.

Appendix B. Letter of intent

Letter of intent

Date: 20YY-MM-DD

LETTER OF INTENT TO ENTER A JPIAMR PROJECT CONSORTIUM

JPIAMR Call:	INSERT CALL INFORMATION
Project Proposal Title:	INSERT TITLE
Project Proposal Acronym:	INSERT ACRONYM
Partner Principal Investigator:	First Name Last name
Partner Institution:	Name of Institution
Date of Application:	20YY-MM-DD
Requested Partner Budget:	XXXXX Euro
Total partner Budget	XXXXX Euro

By signing below the Principal Investigator and the legal representative of the Partner Institution agree to participate in a JPIAMR Consortium for the purpose of jointly carrying out a research project according to the project description of the above-mentioned JPIAMR proposal.

The Principal Investigator and legal representative of the Partner Institution also certify that they will:

- Enter into a consortium agreement consistent with JPIAMR Guidelines for applicants;
- Provide personal consent to publish data on a web-based publicly available database affiliated to JPIAMR;5
- Not initiate any work without necessary ethical approvals according to national/regional laws and regulations, and EU directives;
- Provide the necessary staff and resources for their commitment to the project work plan;
- Conduct all project activities, share data, and report project outcomes in accordance with JPIAMR Applicant Guidelines.

[5] *Detailed information regarding the projects eventually awarded/supported through JPIAMR would be stored with the Swedish Research Council. The Swedish Research Council complies with the Personal Data Act (1998:204) and the Public Access to Information and Secrecy Act (2009:400) that follows the directive of data protection rules in EU and will handle the data accordingly.*

Principal Investigator Signature

_____ _____

First Name Last Name Date

Legal representative of the Department/Faculty/Institution Signature

_____ _____

First Name Last Name Date

Appendix C. No-cost extension request form

JPIAMR RESEARCH PROJECT NO-COST EXTENSION REQUEST FORM

It is JPIAMR policy to facilitate a national funding organisation decision of a no-cost extension to a grant supporting a JPIAMR research project beyond the initial project period (normally 36 months). Conditions must be met which ensure the completion of the JPIAMR project according to the agreed budget, objectives and deliverables. Please note that if approved, the JPIAMR project time frame is considered extended for all consortium partners including mutual responsibilities of reporting to the JPIAMR with, or without individual national grant extensions.

Please note:

- *Applications for no-cost extensions of JPIAMR projects beyond 36 months should be a joint decision by the project consortium following decision rules of the Consortium Agreement. A new joint end date should be agreed upon if the no-cost extension exceeds the former end date of the whole project.*
- *Any partner in a consortium may apply for a non-cost extension of JPIAMR project grants to their national funding organisation according to national regulation. Please use this JPIAMR form to support your application. Note that national funders may request additional information necessary to accomplish their review of the request.*
- *The coordinator of the consortium confirms that the partner no-cost extension will not cause any significant changes to the agreed scope of work, objectives or deliverables of the JPIAMR project by signing this form below on behalf of the consortium. (Receipt of support from the Coordinator does not in itself guarantee approval of a no-cost extension.)*

Procedure

- *The partner should inform themselves of maximum allowed project times pertaining to specific JPIAMR calls by contacting their national contact point.*
- *The partner fills in the form and communicates with the coordinator of the consortium. The partner collects the scan of the signed form from the coordinator and submits a national application for a no-cost extension and sends a scanned signed copy of this form to the involved funder. We urge you to request a no-cost-extension in a timely manner, so all necessary steps can be taken in time. Preferably, the request must be received at least two months before the current end date of the project period.*
- *The receiving funder updates the Joint Call Secretariat, other funders and the JPIAMR secretariat that an extension request has been submitted.*
- *The national funder decides on the no-cost extension request and inform the requesting partner, informs the Consortium Coordinator, Joint Call Secretariat and the JPIAMR secretariat their decision.*
- *The Joint Call Secretariat updates other funders*
- *The Consortium updates the Consortium Agreement with the new end date.*

Project acronym:		**Current end date:**		**New requested end date:**	
JPIAMR Call name:	*Please indicate call name and number as appropriate*		**Extension no:**		
Requested extension in full months: _____					

	Name	*Institution*	*Funder's acronym*
Project partner:			

Part of CONSORTIUM with				
	Name	*Institution*	*Funder's acronym*	*Starting date*
Coordinator:				
Partners:	1.			
	2.			
	3.			
	4.			
	5.			
	6.			
(Extend table if necessary)				

EXPLANATION/JUSTIFICATION AND IMPACT ON THE PROJECT FOR NO-COST EXTENSION
Please provide: • *brief reason for the extension including the reason(s) the project was not / cannot be completed within the original period of performance including factors that were beyond the control of the project partners* • *brief description how the delay affects the project and work plan of other consortium members* • *ethical considerations (e.g. need for extension of ethical approvals)* • *updated project timeline* *PLEASE NOTE: This form does not replace any such similar form or process that the national funder may require in order to process this extension request. All requests should follow the national funders procedures for making extension requests in full*

COORDINATOR's SIGNATURE
On behalf of the *[acronym]* Consortium I confirm that the requested extension for the named partner above is supported by the Consortium and that the project can be completed within the extended project period according to the agreed budget, objectives and deliverables. I confirm that if the extension is granted, I shall inform the consortium members of its dates. I understand that the *[acronym]* Consortium Agreement has to be updated accordingly. ***Typed name*** ***Signature*** ***Date*** *After coordinator signature, scan and submit to the National Funder via e-mail.*