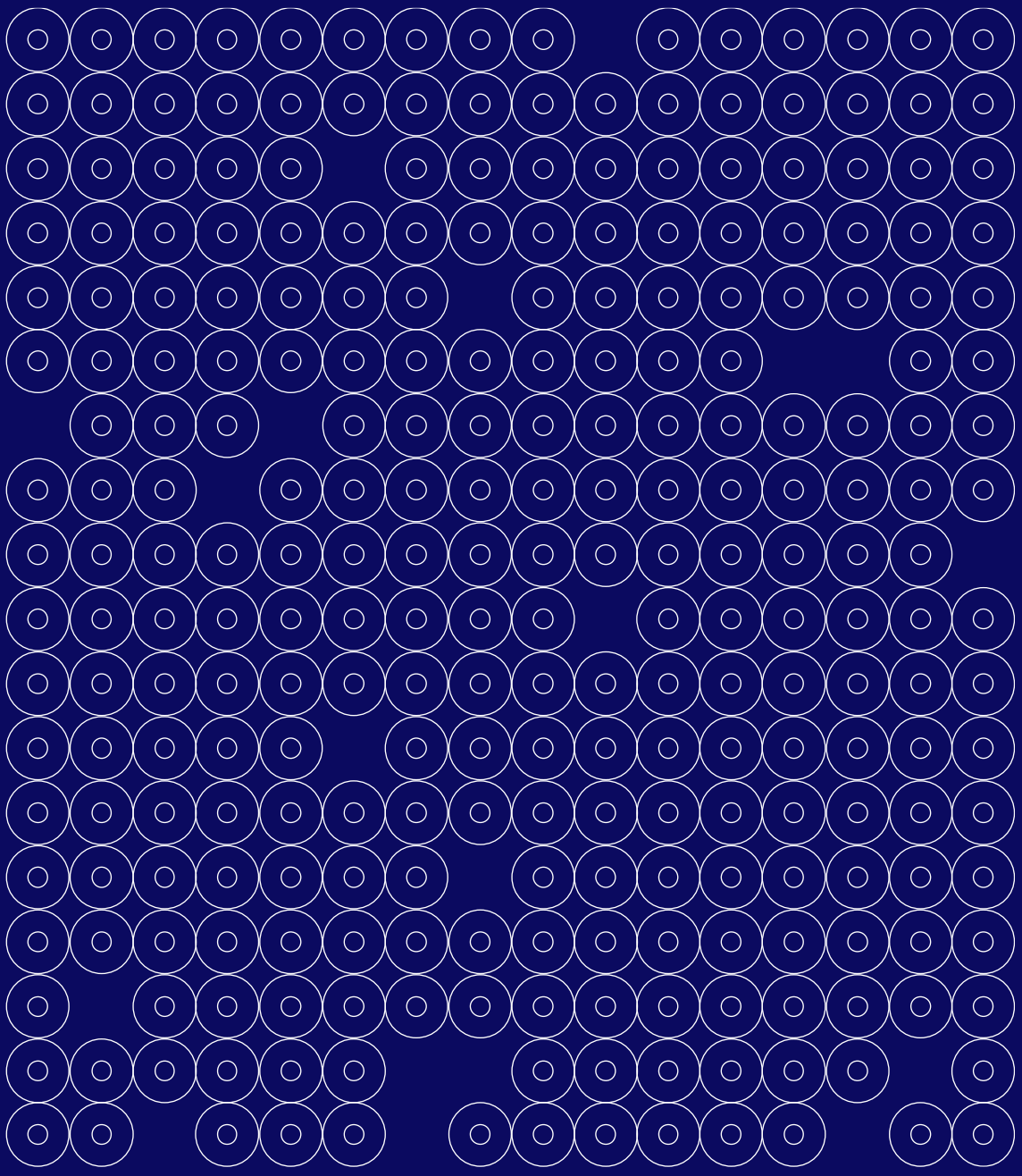
Monitoring policy for JPIAMR funded projects and networks



JPIAMR Secretariat
Swedish Research Council
Box 1035
SE-101 38 Stockholm

+46 8 546 44 000
www.jpiamr.eu
twitter.com/JPIAMR
facebook.com/JPIAMR

jpiamr
Joint Programming Initiative on Antimicrobial Resistance

Contents

Introduction **1**

Process for reporting, monitoring and evaluation of JPIAMR funded projects and networks **2**

Monitoring policy for JPIAMR supported Transnational Research Projects: **3**

Timeline of the Monitoring policy of JPIAMR supported Transnational Research Projects **3**

Monitoring policy for JPIAMR supported Research Networks: **6**

Timeline of the Monitoring policy of the JPIAMR supported research networks: **6**

Appendices: **7**

Appendix I: Mid-term Reporting Template for JPIAMR funded projects **8**

Appendix II: First ex-post Reporting Template for JPIAMR funded projects **19**

Appendix III: Template of questionnaire for qualitative assessment of JPIAMR funded projects and networks by the SAB **35**

Appendix IV: Second ex-post Reporting Template for JPIAMR funded projects **38**

Introduction

JPIAMR as a research funder is interested in monitoring, assessing and communicating the results, outcomes and outputs of its funded research projects and their role in decreasing the burden on AMR through its impact on the society, economy or academia. Monitoring and evaluation is necessary to assess if JPIAMR is able to provide relevant resources to premium researchers to deliver outputs of very high scientific value to tackle challenges of AMR. Furthermore, the analyses of the impact of JPIAMR funding on the scientific community and on the AMR research landscape at large is necessary to identify priorities and guide JPIAMR to achieve its goals and mandates as designated in the JPIAMR Strategic Research and Innovation Agenda (SRIA).

This document describes the monitoring policy of the JPIAMR supported research projects and networks. The policies are aligned as defined in "The Framework for Monitoring and Evaluating JPIAMR". Monitoring of research projects involves systematic, recurrent collection of data to observe, track and record the activities of funded projects and networks. In addition, ex-post monitoring of the research projects is also undertaken involving analyses and assessment of projects and networks with the emphasis on their effectiveness and sustainability. JPIAMR will pursue both qualitative and quantitative analyses of outputs from supported projects and networks. This will help JPIAMR to identify priorities and obstacles to the successful execution of AMR research projects and networks and to assess if the call objectives were achieved.

JPIAMR is a global collaborative platform that facilitate the coordination of national funding to address antimicrobial resistance. The shared Strategic Research Agenda with a One Health perspective provides guidance for nations to align their AMR research nationally and internationally. JPIAMR has several funding schemes[1] as described below:

- "Transnational Research Projects": To support fundamental research projects of very high scientific value.
- "Networks": To support groups of leading experts in the AMR field brought together to develop frameworks, standard operating procedures, systematic reviews and provide consensus views, by developing new global collaborations/partnerships and enhancing resource alignment to maximize existing and future efforts to combat AMR.

Since the expected outcomes of the funding schemes are different, assessments of the outcomes expected from these funding mechanisms should be conducted differently. Hence, separate monitoring policies are designed to assess the outcomes of the research projects of the "Transnational Research Proposals" and "Networks" supported by JPIAMR partners.

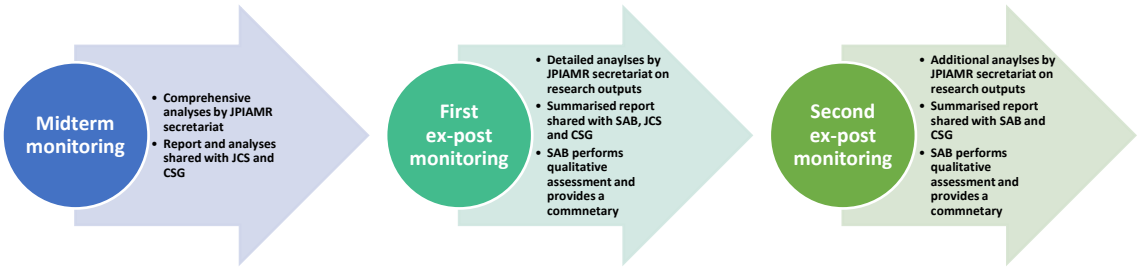
[1] Funding Scheme: Funding programmes or funding instruments to distribute funding based on explicit requirements and often with an explicit objective, e.g. to promote scientific careers, to enable research collaboration.

Process for reporting, monitoring and evaluation of JPIAMR funded projects and networks

Data collection through survey: Reports for the mid-term, first ex-post and second ex-post analyses will be conducted electronically using an online survey tool (complying GDPR guidelines) available at the Swedish Research Council (SRC), by the JPIAMR secretariat. The JPIAMR Secretariat along with the respective Joint Call Secretariats (JCS) are responsible for collecting and monitoring mid-term and final reports of the JPIAMR supported projects and networks and for conducting ex-post analyses in close collaboration with the Core Call Steering Group (CSG) and the Scientific Advisory Board (SAB). In addition to reporting to the JPIAMR, the co-ordinators and partners in the projects and networks will also report to their respective national funding agencies as per their specific national regulations.

Overall assessment of achievements of completed projects: To understand the scientific impact, interdisciplinarity, outcomes and societal and economic impact of the projects supported by JPIAMR a critical peer-review (by independent experts not involved in the monitoring process) will be performed by the SAB. After final reporting the JPIAMR secretariat will prepare a summary of analyses on the parameters the co-ordinators have reported. The summarised report will be shared with JCS, CSG and the SAB. The SAB will provide a commentary/report on the output of the projects based on the summarised analyses provided by the JPIAMR secretariat.

Qualitative assessment of the JPIAMR funded projects and networks by the SAB: The SAB will perform qualitative assessment of the final reports provided by the JPIAMR supported projects and networks. It involves overall assessment of the achievements of the completed projects and networks. The SAB will assess the level of scientific contributions, novelty and innovation, methodological advances, interdisciplinarity, collaborative outcomes, as well as potential short- and long-term economic and societal impacts of the supported JPIAMR projects and networks. The qualitative assessment by SAB will be provided in the form of a commentary. The SAB commentary can be complemented with case-studies. Such qualitative assessment by the SAB will contribute to identify the impact of the JPIAMR funded projects and provide advice on the adequacy of future JPIAMR research calls as well as identify knowledge-gaps for developing strategies for policy decisions.



Process of monitoring and evaluation of JPIAMR funded projects and networks

Monitoring policy for JPIAMR supported Transnational Research Projects:

Timeline of the Monitoring policy of JPIAMR supported Transnational Research Projects

Steps involved in monitoring of JPIAMR supported Transnational Research Projects:

1. **Mid-term monitoring:** Progress of the projects will be monitored after 1,5 years of their commencement. The respective call secretariats will support the JPIAMR Secretariat for the mid-term reporting by providing details of the funded projects to the JPIAMR secretariat.
    - The coordinators of each funded project must submit a mid-term report (at month 18) to the JPIAMR secretariat.
    - The mid-term report will involve monitoring of work performed during the period covered by the report according to the main objectives/activities cited in the project. Project co-ordinators will also highlight any major problems/ difficulties they may have encountered, or may anticipate in the near future, and also suggest possible corrective actions.
    - A template for the mid-term report of funded projects was adopted at the MB meeting in March 2016. Since then the template has been updated (Appendix I).
    - Monitoring on the progress of projects will be followed-up through a comprehensive analysis of the mid-term reports submitted. This will be performed by the JPIAMR Secretariat to assess the progress of the projects supported.
    - The analyses in the form of a summarised report will be distributed to the Joint Call Steering Group, the Core Call Steering Group and to the respective call secretariat.

2. **First ex-post monitoring (final reporting):** The coordinators of each funded project must submit a final scientific project report to the JPIAMR secretariat 2 months after the end of the project.
    - The first ex-post assessment will involve monitoring of work performed during the entire project period (month 36) according to the main objectives/activities cited in the project. Project co-ordinators will also provide information on their scientific activities and research outputs that lead to progressing knowledge in the AMR field. Project outputs including publications, products, interventions, intellectual property, training and mobility, use of facilities and resources, dissemination activities, collaboration and policy influence will be collected. A template for final-

term monitoring of funded projects was approved at the MB meeting in March 2016. Since then the template has been updated and the amended template has been adopted at the MB meeting in October 2018 (Appendix II).

- The coordinators are expected to present the results of their projects at seminars/ workshops organized by the JPIAMR either around the mid-term or towards the end of the project period. This will be amended as per the decision of the JCS along with the CSG.
- Detailed analyses of the collected research outputs from the different projects will be performed by the JPIAMR secretariat on the final reports provided by the co-ordinators to assess the outcomes of the supported projects.
- The JPIAMR secretariat will prepare a summary of analyses on the parameters the co-ordinators have reported. The summarised analyses will be sent to SAB who will further make a qualitative assessment on the completed projects.
- The final ex-post analysis report will then be distributed to the JCS, CSG and to the JPIAMR Management Board.
- Research outputs will be disseminated through media communications.

3. **Qualitative assessment of the outputs of the projects by the JPIAMR-SAB:** The SAB will assess the level of scientific contributions, novelty and innovation, methodological advances, interdisciplinarity, collaborative outcomes, as well as potential short- and long-term economic and societal impacts on the basis of a short questionnaire (Appendix III).
    - A survey-questionnaire will be sent out from the SAB secretariat to all the SAB members. Only those SAB members who feel will be able to contribute with the relevant expertise to evaluate those projects will then be requested to provide input.
    - The response to the questionnaire will involve assigning qualitative grades. The evaluators need to justify the answers based on the options provided relevant to each question.
    - After the survey with individual comments from SAB on respective projects, the SAB secretariat will organize a teleconference meeting with the SAB members that has participated in the exercise to come up with a collective agreement/commentary on the evaluation performed.
    - The assessment of the projects would be compiled as a short commentary in the form of a report by the SAB with the support of the SAB secretariat.

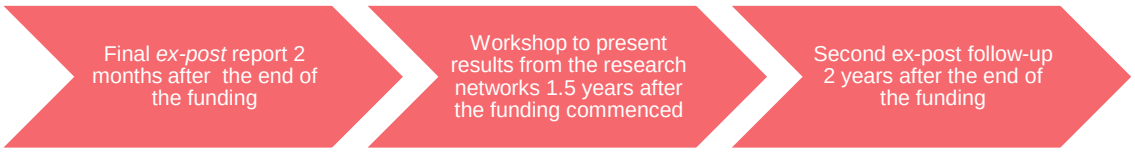
4. **Second ex-post follow-up:** In order to shape the future activities of JPIAMR as well as measure the impact of the research conducted, the coordinators of each funded project must submit a report to the JPIAMR secretariat 3 years after the end of the project. The aim of this follow-up is to understand the impact of the funding at both research and policy level.

- A template for the second ex-post follow-up of the JPIAMR funded research projects has been adopted at the MB meeting due in October 2018 (Appendix IV).
- Detailed analyses will be performed by the JPIAMR secretariat on the research outputs (additional information to the first ex-post) provided by the co-ordinators to assess the research impact.
- This ex-post analysis will be distributed to the JCS, CSG and to the JPIAMR Management Board.
- Research outcomes will be promoted through media communications.

Monitoring policy for JPIAMR supported Research Networks:

The JPIAMR Secretariat along with the respective JCS are responsible for collecting and monitoring final reports and conducting post-assessment of the JPIAMR supported networks. In addition to reporting to the JPIAMR, the co-ordinators of the projects will also report to their respective national funding agencies as per their specific national regulations. The monitoring policy for the JPIAMR supported networks is described below.

Timeline of the Monitoring policy of the JPIAMR supported research networks:



Steps involved in monitoring of JPIAMR supported Networks: The networks will report 2 months after JPIAMR funding ends. The respective call secretariats will support the JPIAMR secretariat for the final reporting of the networks by providing details of the funded networks to the JPIAMR secretariat.

- A report will be submitted through the online survey tool to the JPIAMR secretariat 2 months after the end of JPIAMR funding by the co-ordinators of the funded networks.
- A template for the final ex-post report of the funded networks has been adopted at the MB meeting in October 2018 (Appendix V).
- The networks are expected to take part in a workshop presenting their results 1,5 years after commencement of the networks. The workshop will gather all networks funded by the call and will be hosted by one of the networks. This will be amended as per the decision of the JCS and the CSG.
- Detailed analyses on the final reports provided by the co-ordinators will be performed by the JPIAMR secretariat to assess the research outputs of the networks supported.
- This ex-post analysis will be distributed to the JCS, CSG, SAB and to the JPIAMR Management Board.
- The SAB will perform qualitative assessment of the outputs and the outcomes of the networks. The qualitative assessment by SAB will be provided in the form of a commentary.
- Network outputs and outcomes will be disseminated through media communications.
- A follow-up of the networks through a second ex-post reporting 2 years after the end of JPIAMR funding will be also carried out to assess the impact and the sustainability of the networks (Appendix IV).

Appendices:

Appendix I: Template of reports for mid-term monitoring of JPIAMR funded projects
Appendix II: First ex-post reporting template for JPIAMR funded projects
Appendix III: Template of questionnaire for qualitative assessment of JPIAMR funded projects and networks by the SAB
Appendix IV: Second ex-post reporting template for JPIAMR funded projects and networks
Appendix V: Template of report for monitoring of JPIAMR funded networks

Appendix I: Mid-term Reporting Template for JPIAMR funded projects

The structure of the questionnaire as detailed below are simulated from the online survey tool to be used for reporting. The survey is user friendly and provided with multiple choice selections (wherever possible) for respective questions. The legend provided in the box describes the options provided in the survey.

1 - Project details

JPIAMR call

- ↓ 1st call 2014 - “InnovaResistance"
- ↓ 2nd call 2015 - “Antimicrobial Resistance through the JPIAMR”
- ↓ 3rd call 2016 - “Transmission Dynamics”
- ↓ 5th call 2017 - “Comparison of prevention, control and intervention strategies for AMR infections through multidisciplinary studies, including One Health approaches”
- ↓ 6th call 2018 - “Innovations against antibiotic-resistant bacteria”

Project title

(free text)

Legend

- ○ Radio button (pick one)
- ☑ Checkbox (pick multiple)
- ↓ Dropdown (pick one or multiple)
- ♦ Select date from calendar
- ❖ Text/numeric, field/matrix

Project acronym

(free text)

Dates

- ♦ Date of consortium agreement
- ♦ Project start date
- ♦ Project end date
- ♦ Date of report

Please attach the consortium agreement.

(Select file option)

2 - Details of the research partners

Please provide the following information of the partners in the consortium

	Name	E-mail	Gender (F / M / Other)	Organisation	Type of organisation (paste from options provided below)	Country
P1 (coordinator)						
P2						
P3						
P4						
P5						
P6						
P7						
P8						
P9						
P10						

Type of organisation
(Please copy-paste the most suitable of these options when filling out the above table)

University

Research institute

SME or Industry

Public health

Hospitals and other health providers

Other institutes

Other governmental agencies

Additional Coordinator details

- Researcher Identification
  (ORCID ID or Researcher ID)
- Full affiliation
  (Institution, department, address, phone,...)
- Nature of organization
  - Public
  - Private
  - Non-profit

3 - JPIAMR pillars and scientific area

Please allocate the relevance of each JPIAMR pillar with respect to the project (total 100%)

Pillars	**% allocation**
Therapeutics	
Intervention	
Surveillance	
Transmission	
Environment	
Diagnostics	

Which of the following scientific areas and keywords are relevant to the project?

- ☑ Air
- ☑ Alternatives to antibiotics
- ☑ Animal-based food
- ☑ Aquaculture
- ☑ Clinical trial
- ☑ Companion animals (pets)
- ☑ Detection of resistance
- ☑ Drinking water
- ☑ Drug discovery
- ☑ Epidemiology
- ☑ Feed
- ☑ Health care settings
- ☑ Hospitals
- ☑ Humans
- ☑ Improve existing antibiotics

- ☑ Industry
- ☑ Innovations
- ☑ Intervention measures
- ☑ Livestock
- ☑ Low- and middle-income countries (LMIC)
- ☑ Misuse of antibiotics
- ☑ New strategies
- ☑ Next generation sequencing
- ☑ Non-animal based food
- ☑ One Health
- ☑ Phage
- ☑ Political and social awareness
- ☑ Pre-clinical
- ☑ Prevention measures
- ☑ Public health
- ☑ Rapid detection
- ☑ Rivers, lakes, streams
- ☑ Seas and oceans
- ☑ Sewage and waste water treatment
- ☑ Soil
- ☑ Stewardship
- ☑ Strain typing
- ☑ Targets
- ☑ Therapies
- ☑ Tools/assays
- ☑ Vaccine
- ☑ Veterinary
- ☑ WHO priority pathogens
- ☑ Wildlife
- ☑ Other (free text)

4 - Ethical considerations

Please confirm you had all the needed ethical permits to perform the project work.

- ○ Confirm
- ○ Do not confirm

Please attach the ethical permit(s).
(If multiple files, combine into one PDF or attach a compressed folder)

(Select file option)

Is there a gender dimension to the topic or execution of the project?
(e.g gender (im)balance of the samples used, different risk or impact on a specific gender etc)

- ○ Yes
- ○ No
- ⇒ If Yes
  - *Please describe the gender dimension of the project. (Max 1500 characters.)*
    (free text)

5 - Tasks and deliverables

Please list the main project tasks according to the original proposal.
Include past, ongoing and future tasks.

For these same tasks, please provide the following details

When indicating the partners, please use partner abbreviations (P1, P2 etc.) to refer to the project partner table earlier in the survey.

Tasks	Partners involved (P1, P2 etc.)	Date planned (DD-MM-YYYY)	Date re-scheduled (DD-MM-YYYY)	Date delivered (DD-MM-YYYY)	Task completed? (Y / N)	Main difficulties (paste from options below)
1						
2						
3						
4						
5						
6						
7						
8						

9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Main difficulties
(Please copy-paste the most suitable of these options when filling out the above table)

None

Experimental, methodological or technical issues

Staffing matters (e.g. skills shortages, recruitment delays, unexpected extended leave or departure of staff)

Access to archives, data or participants

Other resourcing issues (e.g. difficulty/delay in securing key equipment)

Unrealistic initial objectives

Higher than anticipated risk levels

Changing landscape of research program

Regulatory issues

Difficulties with collaborative partners

Other

Please discuss any other difficulties you encountered

(free text)

6 - Work summary

Briefly describe the work performed during the period covered by this report along with the aims and the main objectives listed. Highlight any significant findings or conclusions from the project. (max 3000 characters)

(free text)

Please discuss the work planned for the rest of the project period. (max 3000 characters)

(free text)

7 - Consortium meetings

Please list the consortium meetings

	Topic	Date (DD-MM-YYYY)	Partners present (P1, P2,...)	Other invited participants present (name - country, name - country,...)
1				
2				
3				
4				
5				
6				
7				

8				
9				
10				

8 - Research output - Published work

Which of the following output types has the project generated so far?

- ☑ Scientific article (published)
- ☑ Book
- ☑ Thesis
- ☑ Conference participation
- ☑ Manual/Guide
- ☑ Monograph
- ☑ Policy briefing report
- ☑ Technical Report
- ☑ Technical Standard
- ☑ Consultancy Report
- ☑ White paper
- ☑ Patent
- ☑ Other (free text)

⇒ If "Scientific article (published)" selected:

Please fill in the flowing information about your scientific articles(s)

General info			Published open access?	
Type *	DOI	PMID	Yes	No
			o	o
			o	o
			o	o

* Options: Original work, Review, Proceedings

If “Book” selected:

Please fill in the flowing information about your contribution to books

Type of thesis				ISBN-number (if available)
Main author	Author of chapter	Editor	Other	
O	O	O	O	
O	O	O	O	
O	O	O	O	

If “Thesis” selected:

Please fill in the flowing information about any thesis resulting from this project

Type of participation				ISBN-number
Bachelor	Master	Doctoral	Other	
O	O	O	O	
O	O	O	O	
O	O	O	O	

If “Conference participation” selected:

Please fill in the flowing information about conference participation related to this project

Type of participation				Scope of conference	
Oral	Poster	Organiser	Other	National	International
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O

9 - Personnel recruited through the project

Collect details from the partners, and summarise below

Have any personnel been financed through the project supported by JPIAMR?

(e.g. bachelor or master student, doctoral, post-doctoral, engineer or equivalent, technician, individual contractor etc)

- Yes
- No

⇒ If Yes:

- Gender *(indicate number for each option)*
  - Female
  - Male
  - Other
- Type of position *(indicate number for each option)*
  - Bachelor
  - Master
  - Doctoral
  - Post-doctoral
  - Engineer or equivalent
  - Technician
  - Individual contractor
  - Other

  ⇒ If other
  - Please specify the other types of employment *(free text)*

10 - Outreach activities

Please provide a popular science summary of the project. (max 1500 characters)

The text might be used for communications/dissemination of JPIAMR funded projects.

Please do not merely reproduce the project abstract.

Please attach at least one image or video related to the project that can be used for communication purposes.

(Select file option)

Which of the following audiences has the project been communicated to?

- ☑ Patient groups
- ☑ Professional Practitioners
- ☑ Media (newspaper, television)
- ☑ Social media
- ☑ General public
- ☑ Policymakers
- ☑ Students (pre-graduate)
- ☑ Academic audiences
- ☑ Other

⇒ If other

  - Please describe the other types of audiences you have communicated the project to
    (free text)

What would you consider the reach of the activities?

- ☑ Local / municipal / regional
- ☑ National
- ☑ International

Do any of the partners of the JPIAMR supported project have websites or blogs mentioning the project?

- ○ Yes
- ○ No

⇒ If Yes:

  - *Please provide URLs*
    (free text)

11 - Comments and Feedback

Please provide any comments and feedback you might have to JPIAMR.

(free text)

Appendix II: First ex-post Reporting Template for JPIAMR funded projects

1 - Project details

(Layout identical to mid-term)

2 - Details of the research partners

(Layout identical to mid-term)

3 - JPIAMR pillars and scientific area

(Layout identical to mid-term)

4 - Ethical considerations

(Layout identical to mid-term)

5 - Tasks and deliverables

Tasks and deliverables

Please list the main project tasks according to the original proposal.
Include past, ongoing and future tasks.

- 1
- …
- 20

For these same tasks, please give the following progress details

	Partners involved (P1, P2,…)	Date planned (DD-MM-YYYY)	Date re-scheduled (DD-MM-YYYY)	Date delivered (DD-MM-YYYY)	Task completed? (Y / N)	Main difficulties (paste from options below)
1						
2						
3						
4						

5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Main difficulties
(Please copy-paste the most suitable of these options when filling out the above table)

None

Experimental, methodological or technical issues

Staffing matters (e.g. skills shortages, recruitment delays, unexpected extended leave or departure of staff)

Access to archives, data or participants

Other resourcing issues (e.g. difficulty/delay in securing key equipment)

Unrealistic initial objectives

Higher than anticipated risk levels

Changing landscape of research program

Regulatory issues

Difficulties with collaborative partners

Other

Please discuss any other difficulties you encountered

(free text)

6 - Work summary

Briefly describe the work performed during the period covered by this report along with the aims and the main objectives listed. Highlight any significant findings or conclusions from the project. (max 3000 characters)

(free text)

7 - Consortium meetings

Please list the consortium meetings

	Topic	Date (DD-MM-YYYY)	Partners present (P1, P2,...)	Other invited participants present (name - country, name - country,...)
1				
2				

3				
4				
5				
6				
7				
8				
9				
10				

8 - Research output - Published work

Which of the following output types has the project so far resulted in

- ☑ Scientific article (published)
- ☑ Book
- ☑ Thesis
- ☑ Conference participation
- ☑ Manual/Guide
- ☑ Monograph
- ☑ Policy briefing report
- ☑ Technical Report
- ☑ Technical Standard
- ☑ Consultancy Report
- ☑ White paper
- ☑ Other (free text)

⇒ If "Scientific article (published)" selected:

Please fill in the flowing information about your scientific articles(s)

General info			Published open access?	
Type *	DOI	PMID	Yes	No

			O	O
			O	O
			O	O
			O	O
			O	O
			O	O
			O	O
			O	O
			O	O
			O	O

* Options: Original work, Review, Proceedings

If “Book” selected:

Please fill in the flowing information about your contribution to books

Type of thesis				ISBN-number (if available)
Main author	Author of chapter	Editor	Other	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	

O	O	O	O	
O	O	O	O	
O	O	O	O	

If “Thesis” selected:

Please fill in the flowing information about any thesis resulting from this project

Type of participation				ISBN-number
Bachelor	Master	Doctoral	Other	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	
O	O	O	O	

If “Conference participation” selected:

Please fill in the flowing information about conference participation related to this project

Type of participation				Scope of conference	
Oral	Poster	Organiser	Other	National	International
O	O	O	O	O	O

O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O
O	O	O	O	O	O

9 - Research output - Medical products, Interventions

Has the project been involved in the development of medical products or interventions?

Yes
No
If Yes:

Please give the following information of the medical products and interventions

	Name	Current stage (paste from options below)	Partners involved (P1, P2,...)	URLs	Related clinical trial? (Y / N)	Clinical trial number
1						
2						
3						
4						
5						
6						

7						
8						
9						
10						

Current stage

(Please copy-paste the most suitable of these options when filling out the above table)

Initial development

Refinement - Non-clinical

Refinement - Clinical

Early clinical assessment

Late clinical assessment

Market authorization

Small-scale adoption

Wide-scale adoption

Please provide a short description of the product(s) or intervention(s). Indicate any notable impact(s) arising from the development process. (max 3000 characters)
(free text)

10 - Research resources generated

Please indicate how many of the following have been created in the project. Please add a brief description and/or URL.

	Indicate Numbers	Brief explanation or URLs

Cell lines		
Microbial strains		
Collection of Samples		
New lead molecule		
Genetic elements		
Technology assay or reagent		
Database or collection of data		
Data analysis technique		
Computer model or algorithm		
Course (e.g. MOOC)		
Business model		
Web tool or application		
Software		
E-business platform		
Grid application		
Physical model or kit		
Detection Devices		
Other		

Please discuss any other research resources generated (max 1000 characters)

(free text)

11 - Intellectual property and licensing

How many of the following protections have been pursued with regards to the project?

- ❖ Copyright (e.g. software)
- ❖ Trade mark
- ❖ Patent

⇒ For every option filled out

- Please provide a brief explanation
  (free text)
- *Please provide links*
  - ❖ URL

12 - Spin off

Has any spin-off arisen as a result of the research carried out in this project?

- ○ Yes
- ○ No

⇒ If Yes:

- *Please provide a brief explanation*
  (free text)

- *Please provide links*
  - ❖ URL

13 - Personnel recruited through the project

Collect details from the partners, and summarise below

Have any personnel been financed through the project supported by JPIAMR?

(e.g. bachelor or master student, doctoral, post-doctoral, engineer or equivalent, technician, individual contractor,...)

- ○ Yes
- ○ No

⇒ If Yes:

- Gender *(indicate number for each option)*
  - ❖ Female

- ❖ Male
- ❖ Other

– Type of position *(indicate number for each option)*
  - ❖ Bachelor
  - ❖ Master
  - ❖ Doctoral
  - ❖ Post-doctoral
  - ❖ Engineer or equivalent
  - ❖ Technician
  - ❖ Individual contractor
  - ❖ Other

  ⇒ If other
  - – Please specify the other types of employment *(free text)*

14 - Training and Mobility

Has anyone financed by the JPIAMR grant gained training through mobility or exchange opportunities?

- ○ Yes
- ○ No

⇒ If Yes:

– Gender *(indicate number for each option)*
  - ❖ Female
  - ❖ Male
  - ❖ Other

– Type of position *(indicate number for each option)*
  - ❖ Bachelor
  - ❖ Master
  - ❖ Doctoral
  - ❖ Post-doctoral
  - ❖ Engineer or equivalent
  - ❖ Technician
  - ❖ Individual contractor
  - ❖ Other

  ⇒ If other
  - – Please specify the other types of positions *(free text)*

15 - External collaborations

Please provide the following information about collaborations of the JPIAMR partners with other countries outside the consortium.

	JPIAMR partner country	External collaborator country	Type of organization (paste from options below)	Nature of collaboration (paste from options below)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Type of organisation
(Please copy-paste the most suitable of these options when filling out the above table)

University

Research institute

SME or Industry

Public health

Hospitals and other health providers

Other institutes

Other governmental agencies

Nature of collaboration
(Please copy-paste the most suitable of these options when filling out the above table)

Exchange of personnel (e.g. training for students or employees)

Joint publications (e.g. articles, communication and dissemination)

Joint conferences, events or networks

In-depth exchanges on research materials approaches, methods or results

Use of infrastructure

R&D service (e.g. tech development, GMP production,...)

Other

Please discuss any other forms of collaboration

(free text)

16 - Impact on Policy, Practice, Patients and Public

Which of the following impacts has the project resulted in thus far

- ☑ Improvement in survival, morbidity or quality of life
- ☑ Improved public services (e.g. accessibility, efficiency and effectiveness)
- ☑ Improved regulatory environment
- ☑ Economic impacts
- ☑ Improved educational and skill level of workforce
- ☑ Changed public attitudes on social issues
- ☑ Effective solutions to societal problems
- ☑ Improved environmental sustainability
- ☑ Other
  (free text)

⇒ If any option selected

- *In which ways has the project gained this impact?*
  - ☑ Training of practitioners (medical doctors, veterinarians, farmers, etc)
  - ☑ Training of patients
  - ☑ Training of researchers
  - ☑ Citation in clinical guidelines or reviews

- ☑ Citation in other policy documents
- ☑ Citation in systematic reviews
- ☑ Participation in national consultation or advisory committee
- ☑ Other

– *What would you consider the reach of the impact?*
  - Local / municipal / regional
  - National
  - International

– *Briefly describe the reach and significance of the impact. (max 1000 characters)*
(free text)

– *Please provide any available reference details to relevant documents.*
  - ❖ URL
  - ❖ DOI
  - ❖ ISBN
  - ❖ Other

17 - Outreach activities

Please provide a popular science summary of the project. (max 1500 characters)

The text might be used for communications/dissemination of JPIAMR funded projects.

Please do not merely reproduce the project abstract.

Please attach at least one image or video related to the project that can be used for communication purposes.

(Select file option)

Which of the following audiences has the project been communicated to?

- ☑ Patient groups
- ☑ Professional Practitioners
- ☑ Media (newspaper, television,...)
- ☑ Social media
- ☑ General public
- ☑ Policymakers
- ☑ Students (pre-graduate)
- ☑ Academic audiences
- ☑ Other

⇒ If other

– Please describe the other types of audiences you have communicated the project to
(free text)

What would you consider the reach of the activities?

- ☑ Local / municipal / regional
- ☑ National
- ☑ International

Do any of the partners funded by the JPIAMR grant have websites or blogs mentioning the project?

- ○ Yes
- ○ No
- ⇒ If Yes:
  - *Please provide links*
    (free text)

18 - Further funding

Has this collaboration received additional funding for complementary or follow-up activities?

- ○ Yes
- ○ No
  - If Yes:

Please provide the following information about any further funding.

	Name of the organisation that provided the funding	Year of funding	Type of funding (paste from options below)
1			
2			
3			
4			
5			
6			
7			
8			
9			

10			

Type of funding

(Please copy-paste the most suitable of these options when filling out the above table)

Research grant

Fellowship

Capital/infrastructure

Travel

Other

Please specify other types of funding

(free text)

19 - Comments and Feedback

Please provide any comments and feedback you might have to JPIAMR.

(free text)

Appendix III: Template of questionnaire for qualitative assessment of JPIAMR funded projects and networks by the SAB

The following is a proposed questionnaire that will serve as a guideline for the SAB to assess the projects

- **Q1. To what extent has the project advanced the science of AMR**

- Exceptionally
- Significantly
- Moderately
- Slightly
- Not at all

Please justify your answer using the criteria listed below: (Free text 100 words max.)

The project has...	• Created **new** concepts • Applied concepts in **new** fields • Created **new** combinations of concepts • Applied concepts in **new** context • **Confirmed** known concepts • Challenged existing understanding or represents a paradigm shift • Has generated a promising early stage idea that calls for further development • disputed finding(s) • **Not advanced beyond the state of the art**

Q2. To what extent has the project developed new research outputs?

- Exceptionally
- Significantly
- Moderately
- Slightly
- Not at all

Please justify your answer indicating which types of outputs (as listed below) were produced: (Free text 100 words max.)

The project resulted in ...	• New significant datasets • Drug lead(s) • Drug target(s) • Diagnostics

	• Technical innovation • Methodological advancement • Contribution to product development • Strategies/ practices in One Health settings • Development of educational or training programs

- **Q3. How interdisciplinary is the project?**

- Exceptionally
- Significantly
- Moderately
- Slightly
- Not at all

Please justify your answer using the criteria listed below: (Free text 100 words max.)

The research is interdisciplinary in that it…	• Brings together concepts from different but related fields • Brings together concepts from previously unrelated fields • Builds on findings from a field other than its own • Produces findings with applicability outside its main field • Has found recognition outside its main field

- **Q4. In addition to its scientific impact, to what extent has the project had other types of impact or might have in the future?**

- Exceptionally
- Significantly
- Moderately
- Slightly
- Not at all

Please justify your answer using the criteria listed below: (Free text 100 words max.)

The research has a potential impact beyond generating scientific knowledge, by…	• Innovations made holds potential for commercialisation • Insights gained could be applied in policy decision making, clinical practice or public health guidelines, or similar • Influencing potential healthcare benefits (for example: through improved diagnosis, treatment, prevention or prognosis in humans and animals)

- Reducing environmental risks (for example: through tools for monitoring, methods for prevention, practice to influence behavior or similar)

- **Q5. Would you agree that this project has resulted in advancement to achieve any of the research and innovation objectives outlined in the SRIA under specific priority topics?** (Please see Appendix I as a supporting document on research and innovation objectives outlined in the SRIA under specific priority topics)

- o Exceptionally
- o Significantly
- o Moderately
- o Slightly
- o Not at all

Please justify your answer: 100 words max.

- **Q6. Has the project addressed the objective or/s of the respective call under the designated call themes/topics/focal areas?** (Please see Appendix II as a supporting document on objectives or focal areas of the different JPIAMR calls as mentioned in the respective call texts)

- o Exceptionally
- o Significantly
- o Moderately
- o Slightly
- o Not at all

Please justify your answer/s: 100 words max.

The main outcomes of the qualitative assessment of the projects:

After assessing the projects on the basis of the questionnaire, the SAB will assign the overall outcomes/contribution of the projects in one of the following four categories:

- Landmark scientific contribution/scientific breakthrough
- Significant contribution/major scientific advance
- Incremental scientific contribution/useful step forward
- Non-significant contribution/no appreciable scientific contribution

Appendix IV: Second ex-post Reporting Template for JPIAMR funded projects

1 - Project details

Acronym of the project

(free text)

Date of report

(select form calendar)

What was the main research activity of the project?

- Basic research
- Drug discovery/development of novel antibiotics
- Treatment of AMR infections
- Prevention of AMR infections
- Clinical trials (observational and intervention)
- Transmission Dynamics
- Diagnostic tools
- Antibiotic Resistance Surveillance
- Environmental aspects (drug pollution, reservoir function, transfer etc)
- Other (e.g. Molecular studies of AMR bacteria, antibiotic stewardship, immunology, pathogenicity, animal models…)(free text)

2 - Summary of results

How would you describe in 20-30 words the main outcome of the project?

(Examples: We developed a … ready to go for … / We discovered a … to show significant ... / We set up a cooperation amongst …)

(free text)

Please describe in 20-30 words if the result(s) were used after the end of the project, and if so, how they were used.

(Examples: The lead compound … / We applied for a follow-up project under H2020 in order to test our diagnostic tool in the partner hospitals in endemic countries / it has contributed to the development of new pharmaceuticals or devices that could improve diagnosis or treatment of AMR carriage and/or AMR infection)

(free text)

3 - Research output - Published work (updates only, if any)

You have been provided with your answers form the first ex-post report regarding published work reported for the previous time period.

Has the project since resulted in any additional published work?

- ○ Yes
- ○ No
- ⇒ If Yes:
  - *Which of the following output types have been added since the last survey?*
    (Layout identical to first ex-post)

4 - Research output - Medical products, Interventions (updates only, if any)

You have been provided with your answers form the first ex-post report regarding research output for the previous time period.

Has the project since resulted in any additional products or further development of one described earlier?

- ○ Yes
- ○ No
- ⇒ If Yes:
  - *Please give the following information of the medical products and interventions that have since been added or further developed*
    (Layout identical to first ex-post)

5 - Research resources generated (updates only, if any)

You have been provided with your answers form the first ex-post report regarding research resources generated.

Has the project since resulted in any additional research resources

- ○ Yes
- ○ No
- ⇒ If Yes:

- *Please indicate how many of the following have been created since the last survey. Please add a brief description and/or URL.*
  (Layout identical to first ex-post)

6 - Intellectual property and licensing (updates only, if any)

You have been provided with your answers form the first ex-post report regarding intellectual property and licensing.

Has the project since pursued additional protection?

- ○ Yes
- ○ No
- ⇒ If Yes:
  - *In addition to the one listed in the previous survey, how many of the following protections have been pursued with regards to the project?*
    (Layout identical to first ex-post)

7 - Spin off (updates only, if any)

You have been provided with your answers form the first ex-post report regarding spin offs.

In addition to what was mentioned then, has any (other) company arisen as a result of the research carried out in this project?

- ○ Yes
- ○ No
- ⇒ If Yes:
  - *Please provide a brief explanation*
    (free text)

  - *Please provide links*
    - ❖ URL

8 - Current positions of personnel recruited through the project (to track career development and career progression of those who were supported by JPIAMR)

Was any personnel financed by the JPIAMR grant?

(e.g. doctoral, post-doctoral, engineer or equivalent, technician, individual contractor,...)

- Yes
- No

⇒ If Yes:

Please provide the following information about the current position of personnel recruited during the project.

	Gender (F / M / Other)	Position during the project (paste from options below)	Current position (paste from options below)	Type of organisation (paste from options below)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Position during project / Current position

(Please copy-paste the most suitable of these options when filling out the above table)

Bachelor

Master

Doctoral

Post-doctoral

Engineer or equivalent

Technician

Individual contractor

Other

Type of organisation
(Please copy-paste the most suitable of these options when filling out the above table)

University

Research institute

SME or Industry

Public health

Hospitals and other health providers

Other institutes

Other governmental agencies

9 - Impact on Policy, Practice, Patients and Public

In what ways might your research benefit society and/or the economy?

(free text)

In what ways might your findings be taken forward or put to use by others?

(free text)

Has the project since resulted in additional impact? (updates only, if any)

- Yes
- No

⇒ If Yes:

  - *Which of the following impacts has the project resulted in since the previous survey?*
    (Layout identical to first ex-post)

10 - Outreach activities (updates only, if any)

You have been provided with your answers form the first ex-post report regarding outreach activities.

Has the project since undertaken additional outreach?

- Yes
- No

⇒ If Yes:

  - *Which of the following audiences has the project been communicated to since the previous survey?*
    (Layout identical to first ex-post)

11 - Further funding (updates only, if any)

You have been provided with your answers form the first ex-post report regarding further funding.

In addition to the funding described in the previous survey, has this collaboration received additional funding for complementary or follow-up activities?

- Yes
- No
  - If Yes:

Please provide the following information about any further funding.

(Layout identical to first ex-post report)

12 - Comments and Feedback

Please provide any comments and feedback you might have to JPIAMR.

(free text)