



Joint Programming Initiative on Antimicrobial Resistance

The Challenge – Antimicrobial Resistance (AMR)

- Resistance to antibiotics is increasing and affecting human and animal health
- Antibiotic resistance is a One Health issue, spreading between humans, animals and the environment
- Limited treatment options affect modern medicine and by 2050 annual deaths due to AMR are projected to be 10 million worldwide

About JPIAMR

Global Collaboration on AMR Research

JPIAMR coordinates national public investments and funds transnational research and activities within the six priority areas of the shared JPIAMR Strategic Research and Innovations Agenda (SRIA) – therapeutics, diagnostics, surveillance, transmission, environment and interventions. JPIAMR is seeking and supporting solutions to decrease transmissions of resistant bacteria, to lessen the burden of AMR on a global scale together with the 28 member countries.

Impact - Investments in AMR research

Yearly, JPIAMR joint funds research- and networking calls. Now for the tenth consecutive year. To date JPIAMR has supported 61 projects and over 340 research groups, 31 networks, with funding of approximately 80 million Euro. G7, G20 and the EU recognizes JPIAMR as a key initiative to support, and mechanism enabling global collaboration and coordination of calls.

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For more about JPIAMR, please visit: www.jpiamr.eu
Follow: @JPIAMR + [Facebook.com/JPIAMR](https://www.facebook.com/JPIAMR).

Current JPIAMR Activities

Progress - The JPIAMR Virtual Research Institute

The JPIAMR is establishing the Virtual Research Institute in AMR, a Global Network connecting research performing organisations including institutes, centres, and infrastructures to each other across sectorial and geographic boundaries. Changing the context and interlinking resources, data, research groups and education. Enabling innovation and collaboration on a global scale with new capacities embedded.

Mapping of AMR Research Funding

1,8 billion € has been invested by Jan. 1st, 2017, in AMR research by JPIAMR members. JPIAMR has created an interactive dashboard, an overview of the grant investments and research capacities. This tool visualises key data on how to invest in AMR research. Avoiding duplication – enabling innovation.

Updated - Strategic Research and Innovation Agenda

A joint Strategic Research and Innovation Agenda were national and international research priorities to curb AMR, have been agreed upon. This is a unique guiding tool that translates the scientific communities priorities, gaps and alerts. Numerous National plans refers to the JPIAMR SRIA.

The Virtual Research Institute (JPIAMR-VRI)

The Challenge – Antimicrobial Resistance (AMR)

- Resistant bacteria know no geographical boundaries.
- The rising threat of antibiotic resistance urgently requires a One Health holistic and multi-sectoral approach.
- There is a lack of AMR research collaboration, coordination, and sharing of knowledge, data and resources, on a global scale.

About the JPIAMR-VRI

The JPIAMR-VRI is a virtual platform to connect research networks, and research performing institutes, centres and infrastructures beyond sectorial and geographic boundaries in a larger global network under JPIAMR topics in a One Health approach.

JPIAMR-VRI is envisioned as a dynamic network of AMR research facilities that will change the way resources are shared and used. It ensures closer and continuous dialogues, knowledge sharing and collaborations, among researchers and many other stakeholders.

Why a VRI on AMR?

The JPIAMR-VRI will strengthen partnerships, facilitate innovation and avoid duplication. It will address the spread and burden of AMR. JPIAMR, the largest joint venture in research coordination and support for AMR, recognises a need to implement a global alignment of AMR research.

Aim of the JPIAMR-VRI

The JPIAMR-VRI provides an unprecedented level of knowledge exchange, facilitate the analysis of knowledge gaps, increase capacities, improve coordination, implement breakthrough collaborative research and increase the visibility of the research performed. It bridges borders and disrupt barriers between fields of AMR research through the formation of a virtual "corridor" - facilitating alignment of strategies, and the production and sharing of scientific evidence. By connecting the global scientific community along the six pillars of the joint Strategic Research and Innovation Agenda. Supporting the development of policy and guidelines - to reduce the global burden of AMR.



AMR Research Capacities - Envisioned

Connecting: Bridging Partnerships, Collaborations, Forums, Workshops, Webinars.

Access: Enabling Global Access, Mappings, Frameworks, Blueprints, Expertise, Knowledge Transfers, Structuring.

Data sharing: Online Sharing Platforms, Libraries, Catalogues.

Scientific Innovation: Building Evidence in all One Health domains of AMR, including human and animal health and the environment.

Capacity Building: Training, Virtual Education, Train the Trainers, Exchange Programs.

Awareness: Developing and Sharing research results, Promoting AMR in the Global Agenda.

Front Runners – Eight Funded Research Networks

The funded Networks actively builds the foundation of the JPIAMR-VRI as we speak. Collaborating and piloting on functionalities and identifying critical needs and capacities. Engaging participating researchers as front-runners of the JPIAMR-VRI.

2018

First Funded Networks

2019

Design and Development

2020

Implementation and Launch

2021

Operations and Evaluation

20200302

