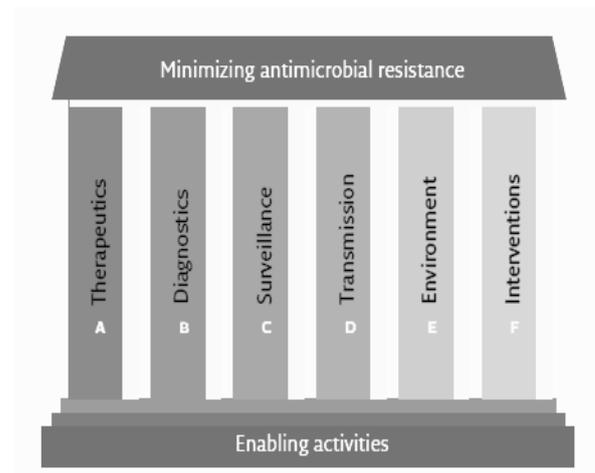


## THE JPIAMR VIRTUAL RESEARCH INSTITUTE ROADMAP

As we enter the post-antibiotic era, we need to address the global issue of antimicrobial resistance (AMR) by increasing collaboration between countries, governments, industry, research and other AMR initiatives. The Joint Programming Initiative on Antimicrobial Resistance (JPIAMR) is a unique global collaborative platform that coordinates national funding and supports research to address antimicrobial resistance. The shared Strategic Research Agenda (SRA) with a One Health approach encompassing six priority topics (Figure 1) provides guidance for nations to align their AMR research nationally and internationally, and establish a number of joint research priorities. Since its inception in 2011, 27 nations have joined the JPIAMR, contributing a total funding of 53 million euro to AMR research.

One of the strengths of the JPIAMR is the close contact between the research community and the national funding agencies, providing an arena to address the AMR issue in a way that the member nations cannot do on their own. By mobilising new and existing resources, JPIAMR will globalise AMR research, encompassing the SRA priorities in a One Health approach, through the creation of the JPIAMR Virtual Research Institute (JPIAMR-VRI). The vision, mission and goals of the JPIAMR-VRI are:



### Vision & Mission Statements

#### VISION

The global research community is engaged to reduce the burden of AMR through a One Health approach.

#### MISSION

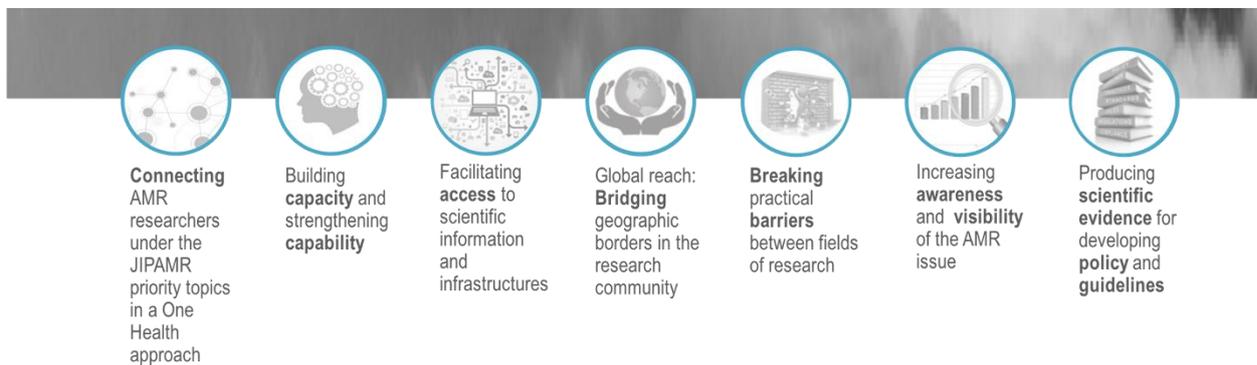
The JPIAMR-VRI is a virtual platform to connect research networks and research performing institutes/centres to implement Antimicrobial Resistance One Health collaborative research on the JPIAMR Strategic Research Agenda priority topics by increasing knowledge, diversity, collaborations and capability.

## Main Goals

The JPIAMR-VRI will build on and leverage existing research centres and networks, and extend the reach of JPIAMR by creating a virtual global network of researchers, facilities, and infrastructures and connect them to each other. Such a network will establish a platform to support an unprecedented level of knowledge exchange, research coordination, and sharing of resources, databases, and research results (published and unpublished) that will reduce duplication of effort and expedite progress towards reducing the global burden of AMR. The JPIAMR-VRI will build a virtual "corridor" to facilitate new, multi-dimensional partnerships and collaborations. It will reach diverse research disciplines and resources in order to implement the SRA.

## Key elements of the JPIAMR-VRI

The JPIAMR-VRI will achieve the main goals by the activities outlined in Figure 3:



## Potential Outcomes

- Integration of activities among networks: joint research programmes / work plans across research centres and research networks
- Development of exchange programmes between researchers (e.g. fellowship schemes, travel grants etc.)
- Networking activities (e.g. workshops)
- Creation of educational and training programmes (not only scientific but also on translational research and requirements for updating other skills outside the scientific framework, including business skills (in areas such as intellectual property (IP), regulatory frameworks, manufacturing policies, marketing, technology development and application, and policy development, etc.)
- Stocktaking of existing networks/centres/projects
- Facilitation of rapid responses to emerging pathogens by connecting thought leaders and content experts with industry, public health and policy makers;
- Development of knowledge gap analysis based upon and further enhancing the JPIAMR mapping/database of AMR research projects and research centres increasing visibility of the research performed
- Increase data sharing, including sharing of negative results
- Production of scientific evidence for developing policy and guidelines.

## Governance

The JPIAMR-VRI will be an entity under the JPIAMR. The governance of the JPIAMR-VRI will initially lie with the JPIAMR Management Board, driven by the JPIAMR-VRI working group and supported by the JPIAMR Secretariat.