

# 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, and will ensure a closer and continuous dialogue among researchers and others stakeholders.

### Why a VRI on AMR?

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

### Aim of the JPIAMR-VRI

By connecting the global scientific community along the six pillars of the joint Strategic Research and Innovation Agenda, the JPIAMR-VRI will provide an unprecedented level of knowledge exchange, facilitate the analysis of knowledge gaps, increase capacity, improve coordination, implement breakthrough collaborative research and increase the visibility of the research performed. It will bridge 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. Supporting the development of policy and guidelines - to reduce the global burden of AMR.



### AMR Research Capacities



**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

### The First Funded Networks

In 2018, JPIAMR funded eight Networks to develop activities to build the foundation of the JPIAMR-VRI. In early 2019, at a workshop in Amsterdam, the Networks coordinators gathered and initiated the work and the formation of the JPIAMR-VRI.

**2018**

First Funded Networks

**2019**

Design and Development

**2020**

Implementation and Launch

**2021**

Operations and Evaluation



Joint Programming Initiative on Antimicrobial Resistance