

# Introduction to the One Health AMR Partnership

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# Why a OH AMR Partnership?

## Antimicrobial Resistance: one of the major threats to global health

### ECDC 2009

Extra healthcare costs and productivity losses > €1500M Euro/year

### EARS-Net report 2019

Annually in the EU 33,100 patients die from multidrug resistant bacteria annually

### O'Neill report 2016

By 2050, 10 million people will die from AMR each year worldwide

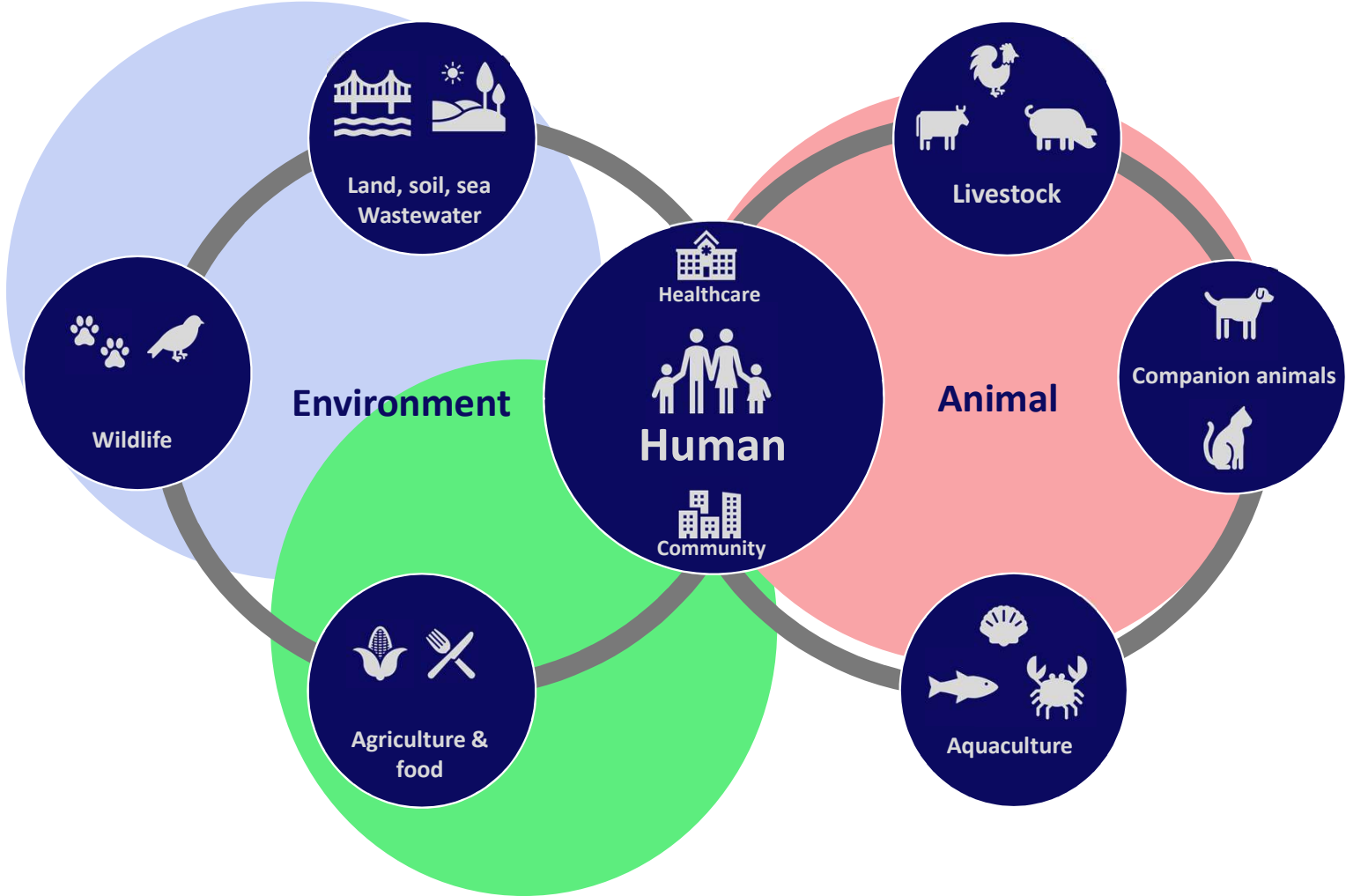
### Global burden of bacterial antimicrobial resistance 2022

4.95 million deaths associated with bacterial AMR in 2019

(Lancet, Jan 2022)

**Antimicrobials are an essential part of modern medicine  
Unless addressed, AMR threatens a return to the pre-antibiotic era**

# OH AMR One Health Scope: impact to human health



# Towards the One Health AMR Partnership

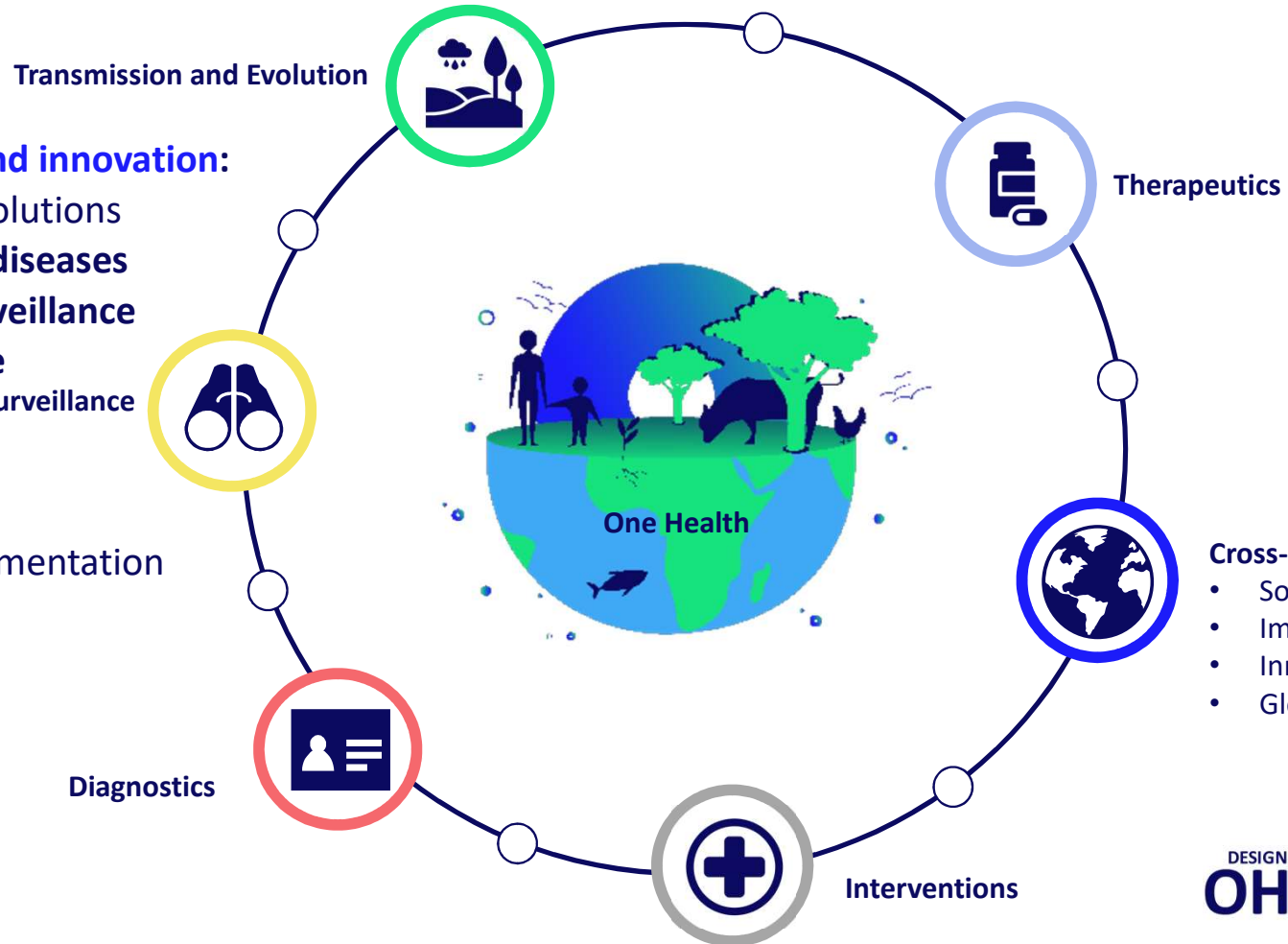
- Form: European Co-funded Partnership
- Lead EC: DG RTD People - Combatting Diseases
- Lead MS: Sweden – Swedish Research Council
- Lead Entity: CSA “DESIGN OH AMR” with support from JPIAMR
- Partnership Partners:
  - Research funding agencies
  - In association with other key actors: ministries, international AMR policy bodies, international AMR funders, international AMR initiatives, stakeholders, other relevant European Partnerships
- Definition: *“A joint research and innovation programme agreed between MS research funders with co-funding from the EU.”*
- Launch: 2025
- Estimated budget: 330Meur (from which EC contribution 100Meur)

# OH AMR joint research programme 2025-2032

*An European Co-Funded Partnership for One Health AMR : A joint research and innovation programme agreed between MS research funders with co-funding from the EU*

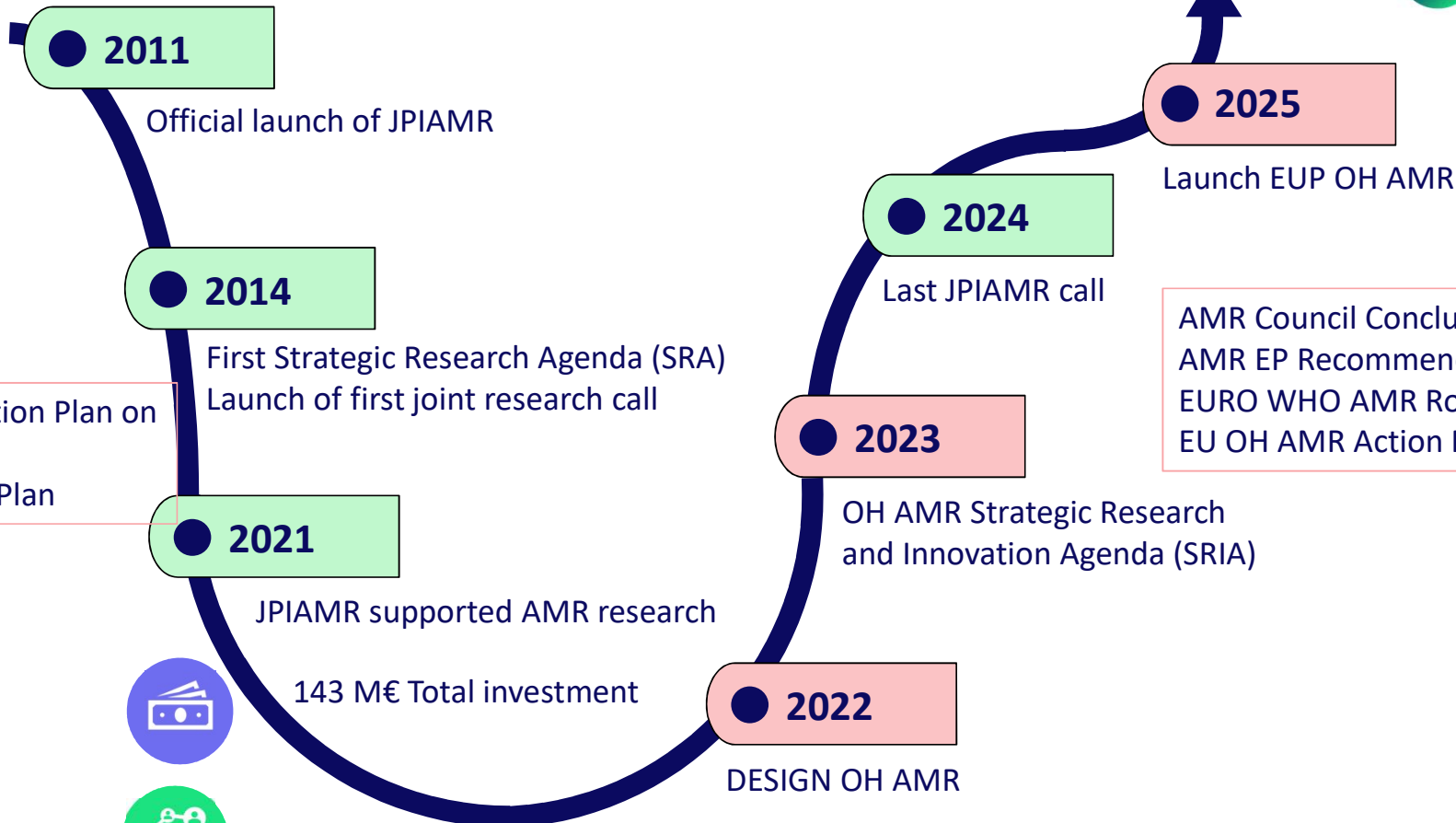
## Boost research, development and innovation:

Foster the generation of novel solutions to prevent and treat infectious diseases affected by AMR, improved surveillance and diagnosis and control of the spread of resistant microorganisms, testing and validation of such solutions and facilitating their uptake or implementation responding to the need to reduce the burden of AMR.



### Cross-cutting themes

- Social Sciences
- Implementation Science
- Innovation
- Global Challenges of AMR



WHO Global Action Plan on AMR  
EU AMR Action Plan

AMR Council Conclusions  
AMR EP Recommendations  
EURO WHO AMR Roadmap  
EU OH AMR Action Plan



143 M€ Total investment



1730 Researchers from 77 different countries



156 projects and networks  
42% OH projects

Draft

# OH AMR Mission and Objectives - summary

*To boost One Health research and innovation leading to improved surveillance of resistant pathogens, better diagnostics and effective treatment of infections and to prevention measures reducing the use of antimicrobials and spread of AMR*

## GO1

**Strengthen resilience to the AMR threat in Europe and beyond**

## GO2

**Enhance evidence-based policy measures and innovative solutions to prevent, detect, control, and treat drug-resistant infections in humans**

## SO1

**Enhance global and European synergy, multi-sectoral collaboration, and alignment of joint strategic OH AMR R&I policies**

## SO2

**Boost research & innovation to enhance knowledge and develop solutions to understand, prevent, and tackle AMR**

## SO3

**Enhance knowledge translation and uptake of research and innovations into solutions and evidence-based policy**

## OO1

Coordination and prioritisation of R&I activities

## OO2

Support capacity building programmes and sharing and (re)use of data

## OO3

Increased joint support of R&I actions to prevent and treat drug resistant infections, improved surveillance, diagnosis and control of the spread of resistant microorganisms

## OO4

Support dissemination and exploration strategies for research-healthcare-patient-policy-industry-community engagement

# Portfolio of Programmes

*Align national AMR research programmes as well as internationally with WHO and UN agendas on AMR by international cooperation across sectors, mobilise investments, coordination of international funding, reinforcement of research abilities and acceleration of research translation.*



R&I funding



Capacity  
building



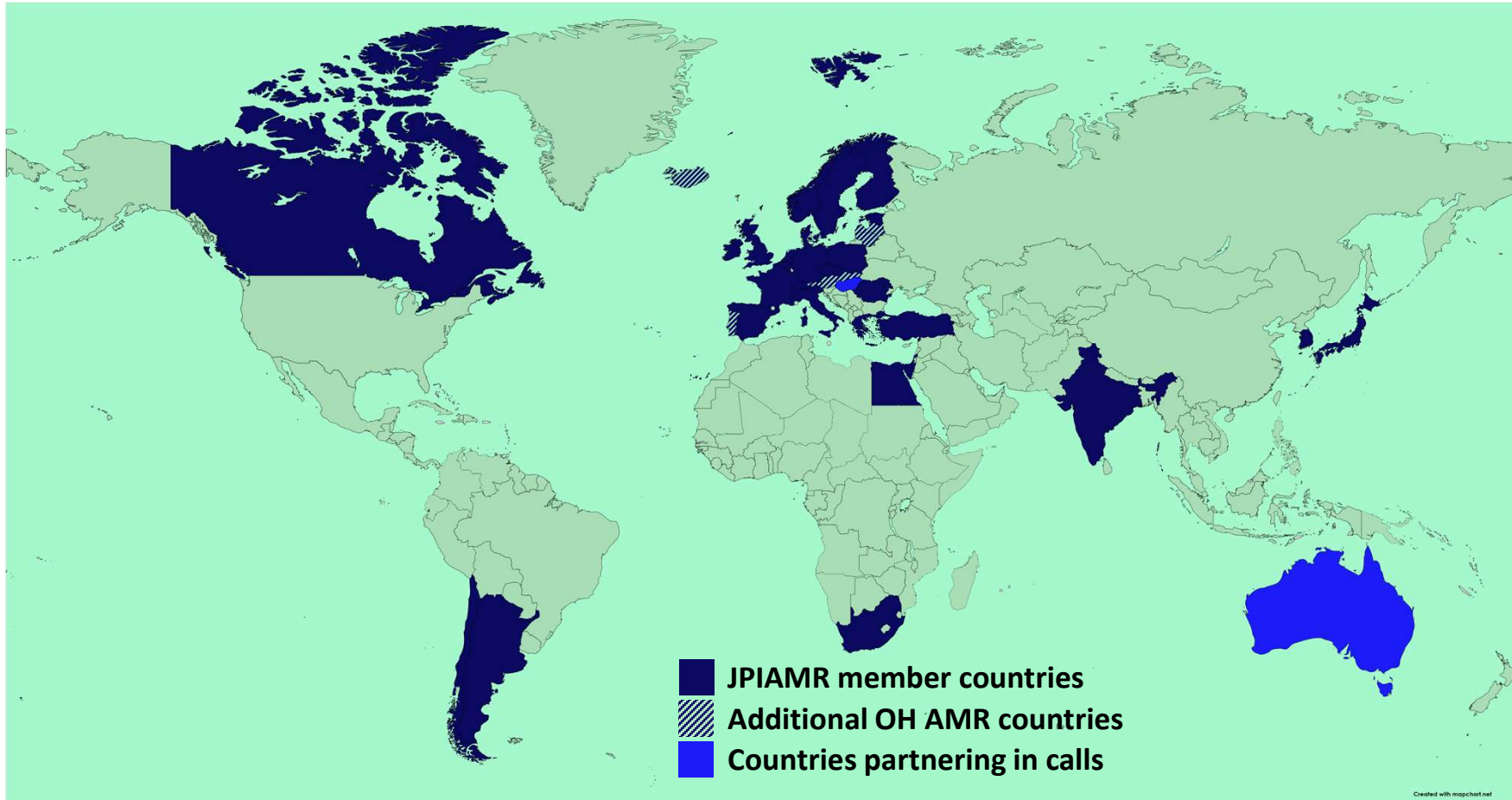
Impact Hubs



Data Sharing



# EUP OH AMR countries membership - expansion



# How to be engaged?

## Autum 2023:

- Roadmap Consultations
- Funders consultations
- Workshops ...

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