



[EU-JAMRAI 2](#) is the second phase of the European Joint Action on Antimicrobial Resistance and Healthcare-Associated Infections.

The intent of this EU Action is a collaborative effort involving 30 Member States and Associated Countries, aiming to

strengthen Europe's response to antimicrobial resistance (AMR) by means of a One Health approach, on both human and veterinary side, paying attention also to the environmental issues. The initiative focuses on supporting countries in developing and updating their National Action Plans on AMR, implementing effective Infection Prevention and Control (IPC) measures, and improving antimicrobial stewardship practices.

Our Institute, as the [National Reference Laboratory for Antimicrobial Resistance \(NRL-AR\)](#) and [National Reference Centre for Antimicrobial Resistance \(CRN-AR\)](#) is involved in the following Work Packages (WPs) and (sub)Tasks of the EU-JAMRAI 2 project:

## **1. Work package WP7 – Improve the Infection Prevention and Control (IPC) actions with a One Health approach, Task 7.2-Animal Actions:**

- i) develop an EU JAMRAI expert network on IPC/biosecurity in animal healthcare. Together with T6.2, (WP6), collect inputs on core elements and core competencies for IPC programs for both human and animal health sectors (subtask 7.2.1)
- ii) identify key components of EU standards for IPC/biosecurity in veterinary medicine according to animal species and husbandry across EU countries (subtask 7.2.2)
- iii) assess which core competencies for IPC/biosecurity are integrated in veterinary medicine and to create additional educational programs to facilitate knowledge dissemination and information exchange between IPC professionals (subtask 7.2.4)

## **2. Work package WP8 – Integrated One Health surveillance**

### **-Task 8.2-EARS-Vet full scale implementation:**

- i) Perform joint data analysis across EU countries of AMR in clinical pathogens of animals across the EU, develop an EARS-Vet database, EARS-Vet report and an EARS-Vet interactive visualization dashboard (subtask 8.2.1).
- ii) Improve harmonization and comparability -Propose standardized EARS-Vet MIC plates for AST of bacterial pathogens and re-test with harmonized methods a subset of strains of interest. (subtask 8.2.2).
- iii) EARS-Vet proficiency test. WGS (whole genome sequencing) analyses of phenotypes of interest (subtask 8.2.3).
- iiii) EARS-Vet communication and implementation strategy (subtask 8.2.4)

**-Task 8.4- Developing integrated annual ‘One Health’ report:**

- i) Map the national surveillance systems in the three sectors (human, animal, environment) (subtask 8.4.1).
- ii) Evaluate and benchmark the One Health integration of national surveillance systems (subtask 8.4.2).