

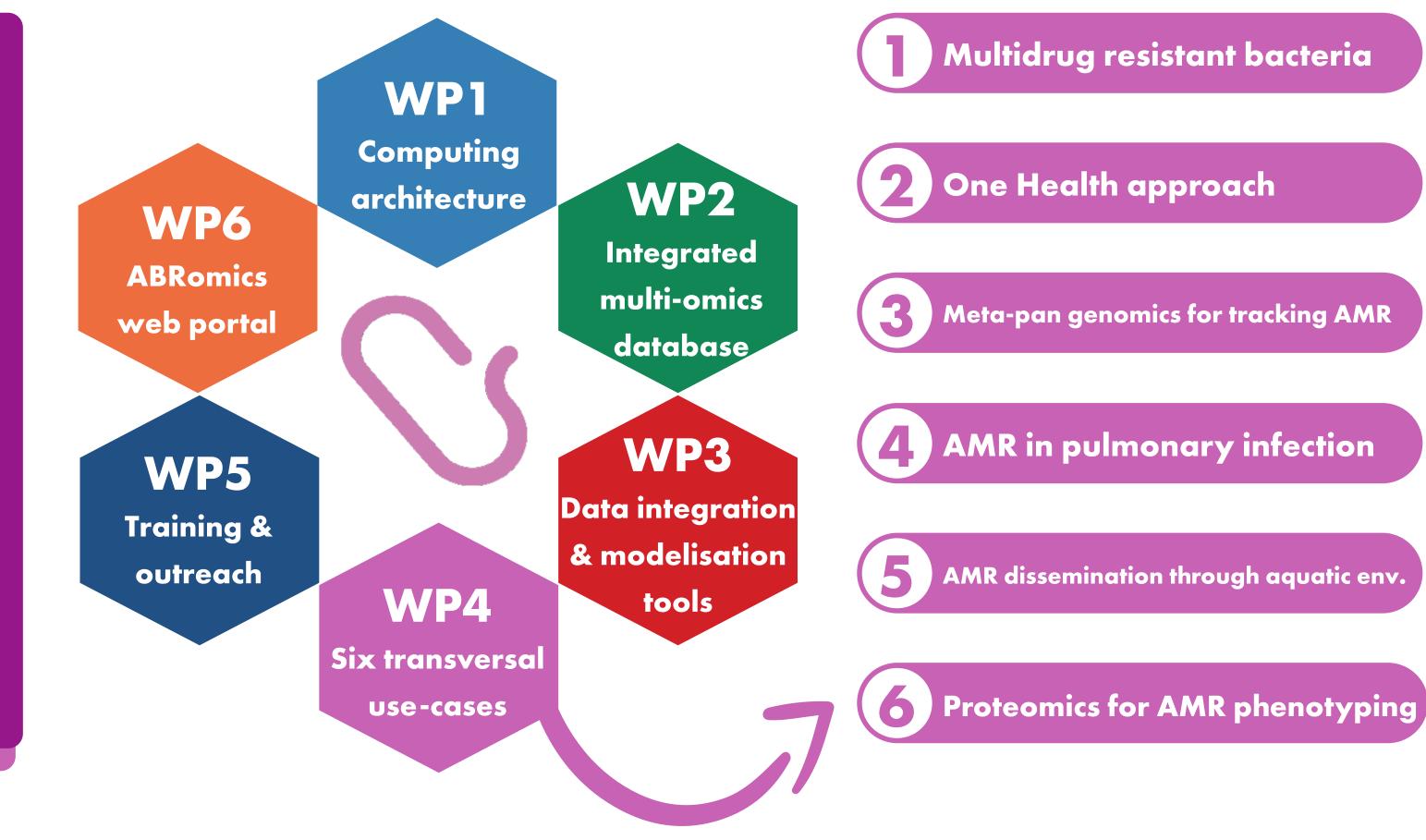
## A Galaxy-based One Health Antimicrobial Resistance Platform

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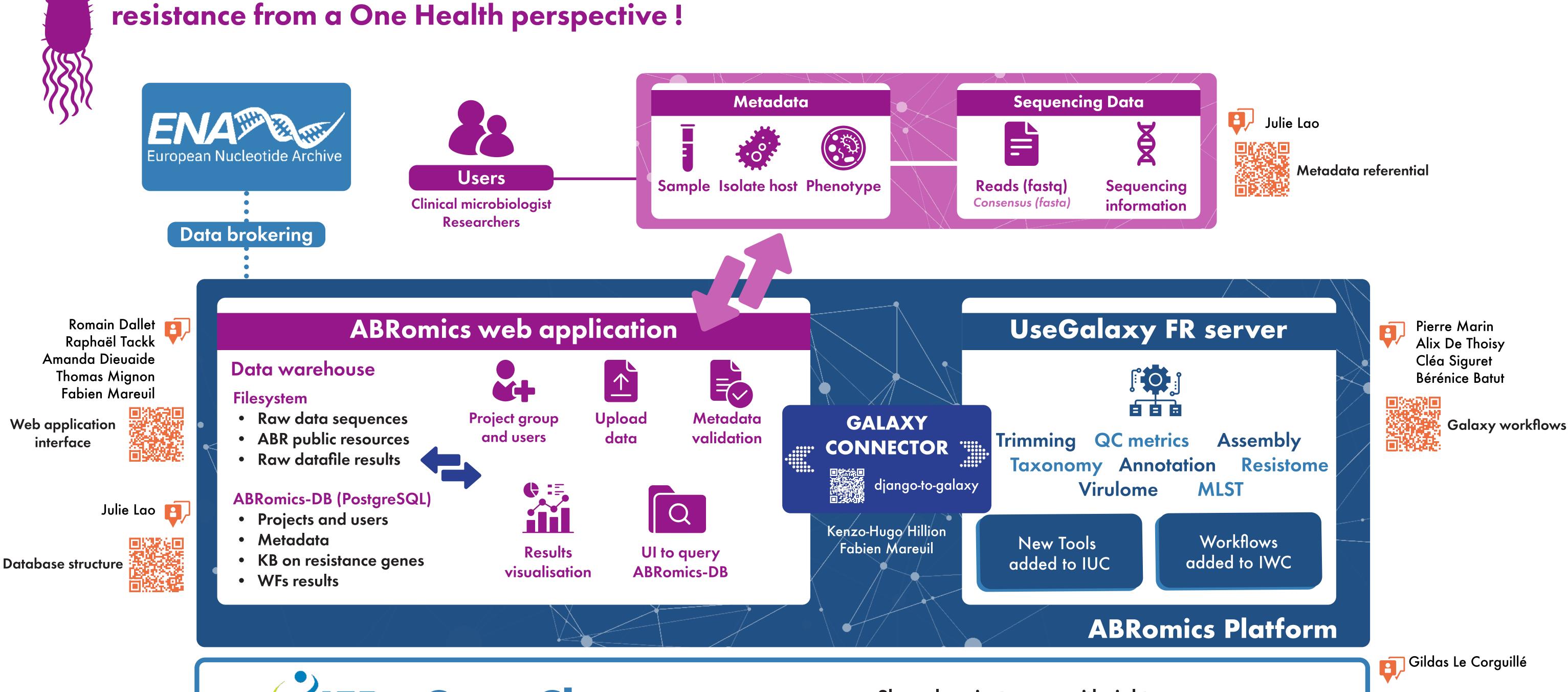
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Antibiotic Microbial Resistance (AMR) is a major public health issue prioritized by international institutions. Funded by the French Priority Plan on antibioresistance ( $2M \in 2021-2025$ ), we are developing a shared platform to assist AMR surveillance across human and veterinary medicine, including environmental and food isolates. It is made of:

- a repository of structured, interoperable, standardized and well-annotated multi-omics microbiological data from human, animal and environmental origins
- with an up-to-date arsenal of mathematical and bioinformatic tools to answer generic and specific research questions related to AMR.



An online community-driven platform to scale up and improve surveillance and research on antibiotic resistance from a One Health perspective!

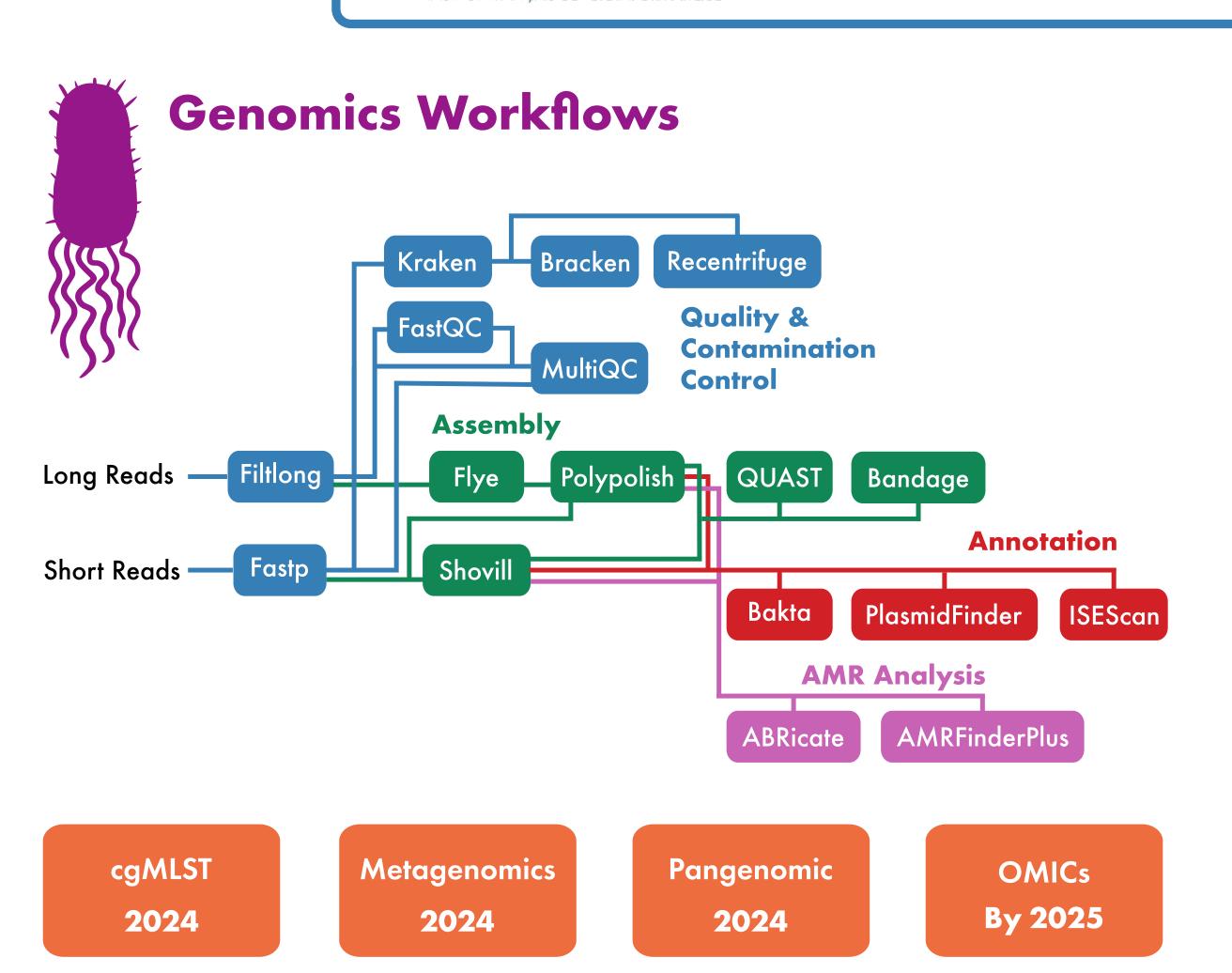


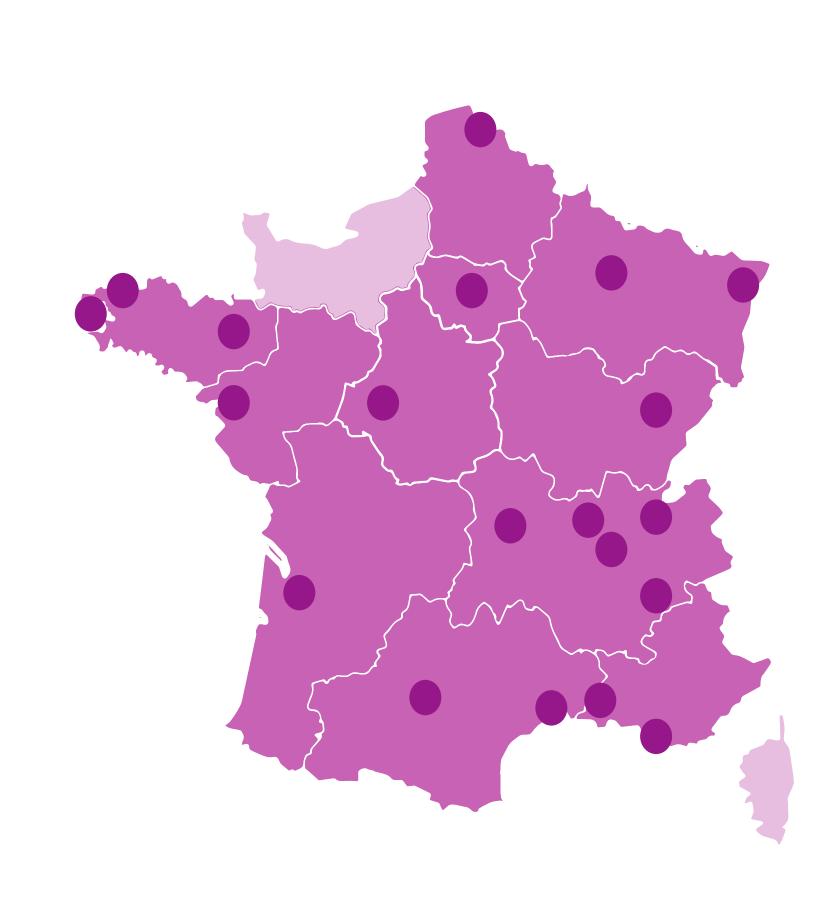


- Shared project space with right access
- Unix access to data/tools









## **ABRomics consortium**

- Effort at the national level: 43 research teams and platform!
- Multidisciplinary consortium
- Includes all National Reference Centers for antibiotic resistance
- Coordination by the French Institute for Bioinformatics (Claudine Médigue) and Institut Pasteur (Philippe Glaser)

**ABRomics** website

















