

## **Annual report 2025**

Over 2025, the Swiss Pathogen Surveillance Platform (SPSP) has onboarded three new Partners who will be contributing viral and bacterial data: the Institute of Virology and Immunology (IVI), the Agroscope – Microbiological Food Safety, and the National Reference Centre for the Early Detection of Emerging Antibiotics Resistance (NARA). In addition, it also started collaborating with the Swiss Centre for Antibiotics Resistance (ANRESIS) to enable secure data exchanges across the two platforms. The SPSP Executive Board, meeting seven times this year, provided strategic oversight, with a well-attended Annual Meeting in June 2025 drawing participation from 55 stakeholders from 15 institutions, including FOPH and FSVO. The Scientific Board also organised several sessions with Swiss-wide stakeholders and users on various topics: Bacterial dashboard and frontend (in person, 29 November Bern), Private Portal demo (online, 2 May), Long reads in SPSP (online, 27 May, 26 June, 21 August, 19 September, 24 October), Bacterial typing and outbreak visualisation (in person, 25 August, Bern).

A key milestone is the new Private Portal that was deployed in June, possible thanks to a major IT infrastructure refactoring happening over the Spring 2025. The new Portal covers many features, notably query saving, antimicrobial resistance (AMR) and virulence predictions, outbreak visualizations, and notification services, also ensuring quality control of the genome data and contextual metadata. In particular, SPSP is fully functional for Listeria and integrates the EFSA terminology. It started receiving data from the NENT (322 bacterial isolates in total, of which 34 Listeria). A collaboration has also been started with ANRESIS to identify potential issues for data linking. Data are successfully shared to the ENA (after embargo period).