APPLICATIONS — DAY 9			
Time	**Activity Description**	**Intended Learning Outcomes** *After completion, trainees will (be able to):*	**Relevance** *Why this is important for you as:*
1030-1200	Analysis of data in groups	Collaborate within country team to analyze genomic datasets from real-life foodborne outbreaks, applying the knowledge gained throughout the course on genomics and computational analytical methods methods Visualization of phylogenies with surveillance-oriented tools learned during the course (e.g., Microreact), to merge genomic results with epidemiological data Interpretation of bioinformatic results in light of the available epidemiological data Facilitate interdisciplinary research,knowledge exchange and collaboration **within country teams**	**Bioinformaticians, microbiologists and epidemiologists** will work together **within country team**, to apply the knowledge gained throughout the course and to collaborate in solving real-life foodborne outbreak scenarios, which will foster future knowledge exchange between different professional figures and interdisciplinary collaborations.
1400-1700	Analysis of data in groups	Similarly as what is mentioned above. Additionally, country teams will be merged allowing collaboration between country teams	Similarly as what is mentioned above. **Additionally, bioinformaticians, microbiologists and epidemiologists** from different country team, will collaborate in solving real-life foodborne outbreak scenarios, which will foster future knowledge exchange between different professional figures and interdisciplinary collaborations.

Details

Analysis of data in groups

During these practical sessions, participants will initially be divided into country teams, each comprising professionals with diverse expertise including bioinformaticians, epidemiologists, and microbiologists. Together, they will engage in collaborative genomic data analysis activities across disciplines, fostering interdisciplinary collaboration and knowledge exchange.

Two distinct real-life foodborne outbreak datasets will be available, with half of the class using one and the other half using the other dataset. The teaching team will provide support to apply the knowledge acquired throughout the course, covering topics such as the biology of specific pathogens, antimicrobial resistance (AMR), bioinformatic and genomic analyses, as well as visualization for genomic surveillance.

In the second part of this session, country teams will merge, resulting in two groups working on the same dataset within each group. Participants will learn to collaborate with other country teams and compare their analyses of the same datasets. Additionally, they will prepare a joint presentation to show their collective results during the next afternoon session. Moreover, they will address the challenges encountered and highlight any differences in results between country teams.