



Update on EU activities on Whole Genome Sequencing (WGS)

- 1) Mandate on WGS to EFSA-ECDC
- 2) EURLs Working Group on WGS

23rd EURL-Salmonella Workshop

29-30 May 2018, Uppsala Sweden

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1. Mandate to EFSA and ECDC on WGS

Content:

- *Joint analysis of EFSA and ECDC surveys on WGS*
 - *Consultation of relevant actors and players to assess the state of the art of pipelines for collecting and analysing WGS data in Europe*
 - *Assessment of needs/requirements for the analysis of WGS data and their comparability and description of roles and responsibilities*
 - *technical report on the identification and the comparison of potential solutions for the set-up and running of a joint EFSA-ECDC pipeline (DL: April 2019)*
- ➔ **Final aim: creation of the EU database on WGS**
(second mandate will follow)

2. EURLs Working Group on WGS

Scope

To **promote** the **use** of WGS across the EURLs' networks, **build** WGS **capacity** within the EU and ensure **liaison** with the work of the EURLs and the **work of EFSA and ECDC** on the WGS mandate sent by the Commission, while ensuring no overlap of activities between the WG and EFSA-ECDC work.

Activities (lead)

- 1) Proficiency Testing (EURL AR)
- 2) WGS laboratory procedures (SOPs) (EURL Parasites)
- 3) Bioinformatics tools (EURL VTEC)
- 4) WGS Cluster Analysis (EURL Campylobacter)
- 5) Bench marking (EURL Listeria)
- 6) Trainings on WGS (common structure) (EURL CPS)
- 7) Reference and confirmatory testing using WGS (EURL Salmonella)
- 8) Follow-up of ISO activities on WGS

2. EURLs Working Group on WGS

- *May 2017: EC decided to create the WG of EURLs*
- *November 2017: 1st meeting of the EURL WG:*
 - **ToR, as defined by the EC, endorsed by the WG**
 - **Decided to send a questionnaire to NRLs to better identify NRLs needs and capacities to define at the next WG meeting the timeline for deliverables (e.g. SOPs, guidelines, training structure, etc.)**
- *2nd meeting: 11th June*