



# FWD AMR. RefLabCap

STATENS  
SERUM  
INSTITUT



## **Welcome to the 2<sup>nd</sup> Multidisciplinary training workshop October 2023**

**Susanne Schjørring**, Ph.D, *European Public Health Microbiologist*  
Foodborne Infections, Statens Serum Institut, Denmark

# FWD AMR-RefLabCap

## Network of national reference laboratories in public health on AMR in *Salmonella* and *Campylobacter*



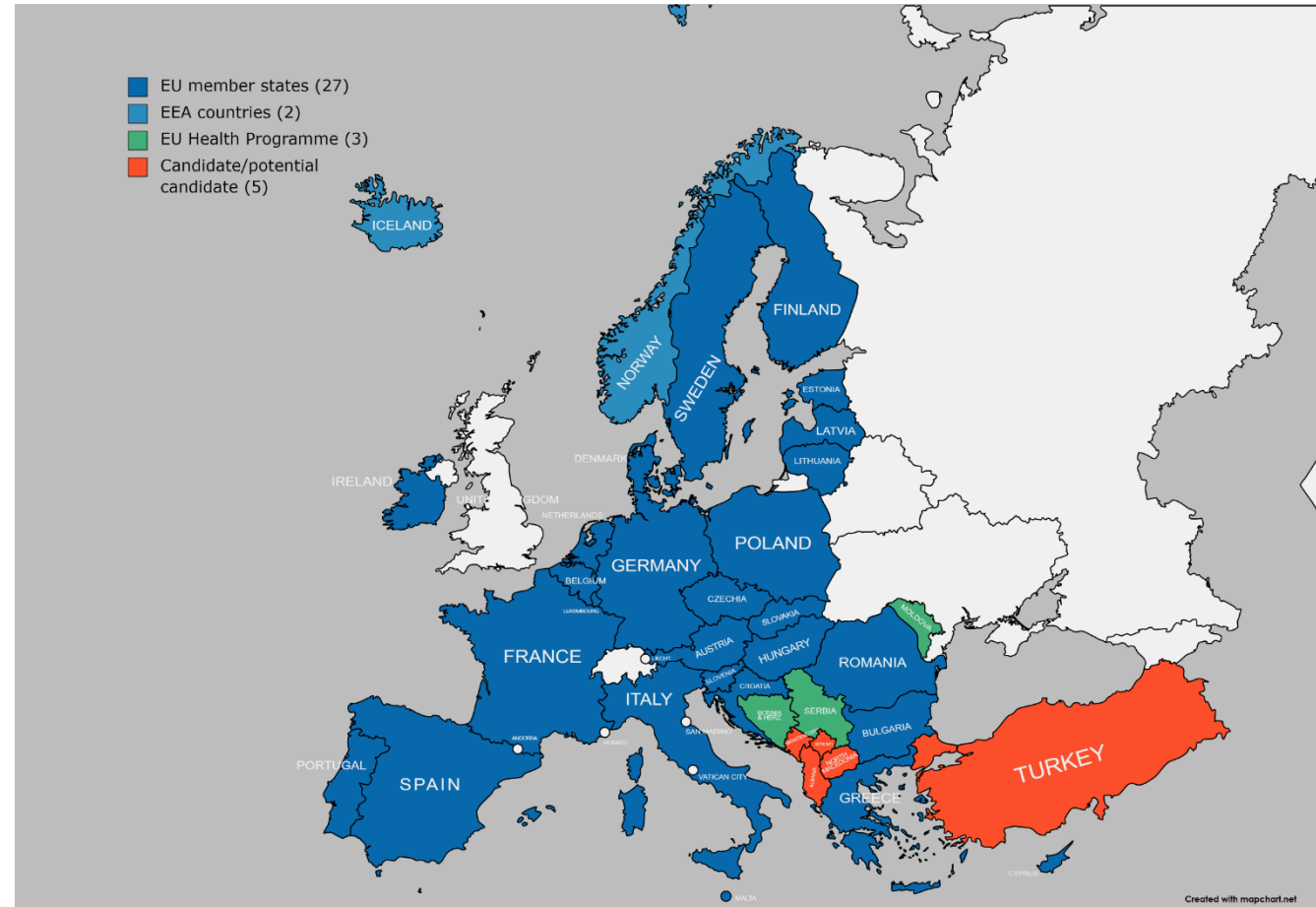
Laboratories functioning as NRL on AMR in *Salmonella* and/or *Campylobacter*

32 countries: Network participants

- EU/EEA countries
- Additional EU Health Programme countries

5 candidate/potential candidate countries

### FWD AMR RefLabCap



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# Networking

- A key element of the project

The goal is to

- facilitate a strong network of laboratories
- facilitate exchange of experience and knowledge
- be valuable for laboratories at all levels of development

Networking is facilitated through the general meetings, webinars and online workshops

# FWD AMR RefLabCap Project activities

## Networking

- Network meetings
- Workshops
- Online presentations/discussions
- Email communication, website

## Guidance

- Minimal and optimal requirements for AMR surveillance
- Standard WGS protocol
- Proposal for updated EU protocol for harmonised AMR monitoring
- Model protocol for national surveillance of AMR
- Guidance document on internal quality control schemes

## Training

- AMR testing and surveillance
- Outbreak investigations
- WGS data analysis and interpretation
- Annual ring-trials to assess bioinformatics pipelines
- Annual EQAs: AST, genotypic AMR prediction, etc.

## Targeted support

- Action plan development and implementation in priority countries
- Local/regional capacity building support in priority and in additional countries
- Support for national laboratory network establishment

# This workshop

## Each country

- Facilitate a strong collaboration between microbiologists and epidemiologists
- Enhance knowledge of opposite expertise

## Between countries

- Enhance collaboration
- Knowledge exchange

Experience with WGS analyses and interpretation



None



Some



A lot

- 1. Multidisciplinary training workshop (<https://www.fwdamr-reflabcap.eu/events/2022>)

# Website



The screenshot shows the homepage of the FWD AMR-RefLabCap website. At the top left is the logo. To the right are links for "About FWD AMR-RefLabCap" and "Contact". Below these is a navigation menu with "Resources", "EQAs and Ring-trails", "Events" (circled in red), "Participants", and "News" with a search icon. The main banner features a teal-tinted image of bacteria with the text "Food- and Waterborne Diseases Antimicrobial Resistance - Reference Laboratory Capacity". Below the banner is a large logo and a "News" section listing three items: "August 2023 Newsletter" (15 August 2023), "October 2023 - 2nd Multidisciplinary training workshop" (1 August 2023), and "January 2023 - Newsletter" (10 January 2023).

<https://www.fwdamr-reflabcap.eu/>

# 1st Multidisciplinary



The screenshot shows the website's header with the logo on the left and navigation links on the right. A left sidebar contains year filters for 2023, 2022, and 2021. The main content area features a breadcrumb trail, a large year header, an update date, and a detailed event card for a 2022 workshop.

Home / Events / 2022

## 2022

Updated 4 April 2023

**November 3-4 2022, 1<sup>st</sup> workshop: Multidisciplinary training for public health microbiologists and epidemiologists**

**Programme:**

- [Agenda \(pdf\)](#)

**Presentations: November 3**

- [Welcome and Introduction \(pdf\)](#)
- [Suggested adjustments EU harmonised protocol and draft model protocol \(pdf\)](#)

**Presentations: November 4**

- [Welcome and Introduction \(pdf\)](#)
- [Demystifying WGS \(pdf\)](#)
- [Added Value WGS \(pdf\)](#)
- [Added Value of WGS - Cost \(pdf\)](#)
- [Conclusion and upcoming activities \(pdf\)](#)

# 1<sup>st</sup> FWD AMR – RefLabCap workshop Multidisciplinary training for public health microbiologists and epidemiologists

Online, 3-4 November 2022

## Agenda

### 3. November 2022 – National surveillance

Time	Title	Presenter
13:00 – 13:15	Welcome and introduction	Eva Møller Nielsen
13:15 – 13:45	Presentation of the updated EU protocol for harmonised monitoring of AMR and the draft model protocol for national surveillance	Jeppe Boel
13:45 – 14:45	Break-out session: Discussion in groups on establishing/optimising national surveillance of AMR in <i>Salmonella</i> and <i>Campylobacter</i>	All
14:45 – 15:30	Plenum discussion	Jeppe Boel
15:30 – 15:50	Wrap-up	Jeppe Boel

### 4. November 2022 – Added value of WGS

Time	Title	Presenter
09:00 – 09:10	Welcome and introduction	Susanne Schjørring
09:10 – 10:10	De-mystifying WGS	Jette Sejer Kjeldgaard
10:10 – 11:00	Added value of WGS for surveillance/outbreak investigations	Eva Litrup
11:00 – 11:30	Added value of WGS (Cost)	Ana Rita Bastos Rebelo
11:30 – 12:00	Conclusions / Upcoming activities	Susanne Schjørring



# Agenda (Day 1 and 2)

Day 1: 23 October, Online meeting		Presenter
9:00 - 9:10	Welcome and Introduction	Susanne Schjørring (SSI)
9:10 - 9:45	Epidemiological investigation on foodborne outbreaks in Denmark	Luise Müller (SSI)
9:45 - 9:55	<i>Coffee break</i>	
9:55 - 10:20	WGS-based subtyping methods and nomenclature	Egle Kudirkiene (SSI)
10:20 - 10:40	Cluster detection and interpretation using cgMLST and SNP analysis	Pernille Gymoese (SSI)
10:40 - 10:50	<i>Coffee break</i>	
10:50 - 11:15	Integration of AMR into surveillance and outbreak investigation	Mia Torpdahl (SSI)
11:15 - 11:30	Introduction to exercises: Tabletop exercises combined with WGS cluster and AMR profile analysis on provided data	Susanne Schjørring (SSI)
	<i>Lunch break</i>	
12:00 - 13:00	Break-out session - start at the plenum, groups of 5-6 countries to kick off the exercises. Facilitators: Susanne Schjørring (SSI), Egle Kudirkiene (SSI), Jeppe Boel (SSI), Mia Torpdahl (SSI), Jette Sejer Kjeldgaard (DTU), Ana-Rita Bastos Rebelo (DTU)	

Day 2: 24 October, Data analysis	
Approx. 3 hours	The two representatives from each country (epidemiologist and microbiologist/ bioinformaticians) work together on the two exercises (Salmonella/Campylobacter).

# Agenda (Day 3, 4 and 5)

## Day 3: 25 October, Analysis support and discussion

9:00 - 10:30 or 10:30-12:00	The groups created during the breakout sessions meet for questions and discussion on <b>Salmonella</b> exercise for 1h and 30-min sessions per group.
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## Day 4: 26 October, Analysis support and discussion

9:00 - 10:30 or 10:30-12:00	The groups created during the breakout sessions meet for questions and discussion on <b>Campylobacter</b> exercise for 1h and 30-min sessions per group.
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Day 5: 27 October, Online meeting		Presenter
9:00 - 10:30	Wrap up of the group work and results	Susanne Schjørring and volunteers
10:30 - 10:40	<i>Coffee break</i>	
10:40 - 11:00	One Health status on Campylobacter in Denmark	Katrine G. Joensen (SSI)
11:00 - 11:30	EU level surveillance using EpiPulse molecular typing tool	Cecilia Jernberg (ECDC)
11:30 - 11:45	Wrap up	Susanne Schjørring (SSI)

Evaluation survey

# “House Keeping Rules”

Microphones off during the presentations

After each presentation there will be time for questions

- Raise the “hand” or use the chat to ask questions

When the word is yours

- Please say your name, country - before the question

Key for a successful workshop is participation and that you ask questions