



# FWD AMR. RefLabCap

STATENS  
SERUM  
INSTITUT



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

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Foodborne Infections, Statens Serum Institut, Denmark

# FWD AMR-RefLabCap

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



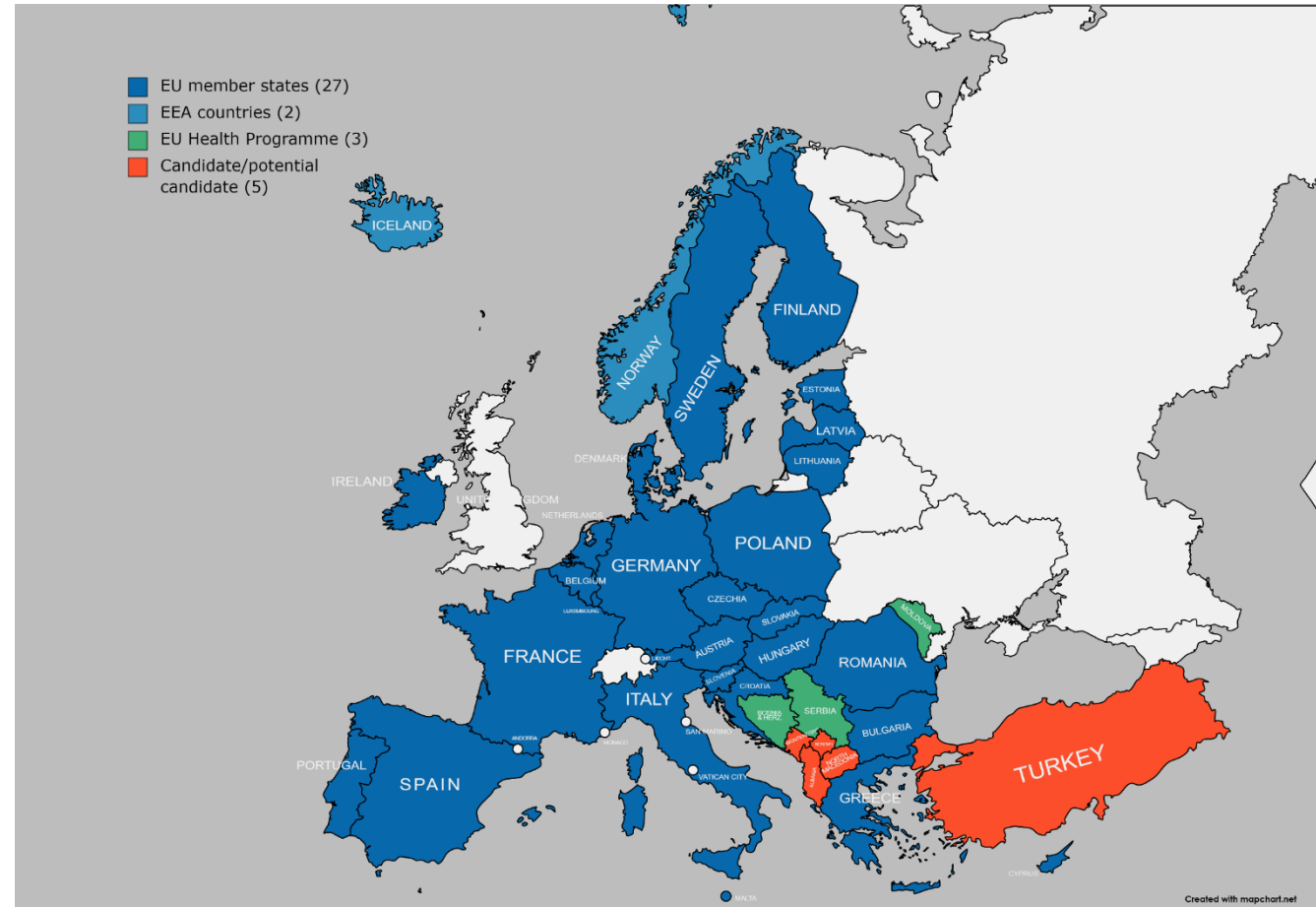
Laboratories functioning as NRL on AMR in *Salmonella* and/or *Campylobacter*

32 countries: Network participants

- EU/EEA countries
- Additional EU Health Programme countries

5 candidate/potential candidate countries

### FWD AMR RefLabCap



# Workshop participants

28 countries ~ 32 laboratories

Country	Microbiologist	Epidemiologist
<b>Albania</b>	Artan Bego	Luljeta Alla
<b>Austria</b>	Sandra Koeberl-Jelovcan	Karin Bruckner
<b>Bulgaria</b>	Maria Pavlova	-
<b>Croatia</b>	Ana Gveri-Grginic	Iva Pem Novosel
<b>Czech Republic</b>	Petra Spanelová	Barbora Zapletalová
<b>Estonia</b>	Kairi Tõnsau	Liidida Dotsenko
<b>Finland (S)</b>	Tessa Häkkänen	Cristina Gonzalez Perez
<b>Finland (C)</b>	Marianne Gunell	Teemu Kallonen
<b>France (S)</b>	Maria Pardos de la Gandara	Nathalie Jourdan-da Silva
<b>France (C)</b>	Quentin Jehanne	Fanny Chereau
<b>Greece (S)</b>	Georgia Mandilara	Atnthi Chrysostomou
<b>Greece (C)</b>	Olga Pappa	Theologia Sideroglou
<b>Hungary</b>	Tünde Mag	Eszter Mezei
<b>Iceland</b>	Freyja Valsdóttir	Anna Margrét Halldórsdóttir
<b>Ireland</b>	Tee Keat Teoh	Peter Flanagan
<b>Italy</b>	Aurora Garcia Fernandez	Claudia Lucarelli

Country	Microbiologist	Epidemiologist
<b>Kosovo</b>	Arsim Kurti	Albiona Rashiti-Bytyçi
<b>Latvia</b>	Reinis Vangravs	Antra Bormane
<b>Lithuania</b>	Algirdas Griskevicius	Giedre Aleksiene
<b>Luxembourg</b>	Meo Marie	Khonyongwa Kirstin
<b>Malta</b>	Graziella Zahra	Maria Louise Borg
<b>Portugal</b>	Leonor Silveira	João Vieira Martins
<b>Romania</b>	Mihaela Oprea	Lavinia Cipriana Rusu
<b>Serbia (S)</b>	Svetlana Mikovic Dramlic	Milunka Milinkovic
<b>Serbia (C)</b>	Biljana Miljkovic Selimovic	Mihajlo Spasic
<b>Slovak Republic (S)</b>	Dagmar Gavacová	Janette Stamová
<b>Slovak Republic (C)</b>	Henrieta Kocianová	Lubomíra Hajsová
<b>Slovenija</b>	Marija Trkov	Eva Grilc
<b>Spain</b>	Silvia Herrera León	Maria José Calvo Reyes
<b>Sweden</b>	Lina Thebo	Mia Egevärn
<b>the Netherlands</b>	Maren Lanzl	Oda van den Berg
<b>Turkiye</b>	Belkis Levent	Burak Tunc

# Project team

Project team, SSI	Project team, DTU
Susanne Schjørring	Ana-Rita Bastos Rebelo
Egle Kudirkiene	Jette Sejer Kjeldgaard
Jeppe Boel	
Mia Torpdahl	

# 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



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



- 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



- 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.



- 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



# 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 header features a teal-tinted image of bacteria with the text "Food- and Waterborne Diseases Antimicrobial Resistance - Reference Laboratory Capacity". Below this 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 a year selector with 2023 selected. The main content area features a breadcrumb trail, a large year header, an update date, and a detailed event description for a workshop in November 2022, including a programme and lists of presentations for both days.

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).
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# 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><i>Salmonella</i></b> exercise for 1h and 30-min sessions per group.

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><i>Campylobacter</i></b> exercise for 1h and 30-min sessions per group.

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