FWD_AMR-RefLabCap Network meeting

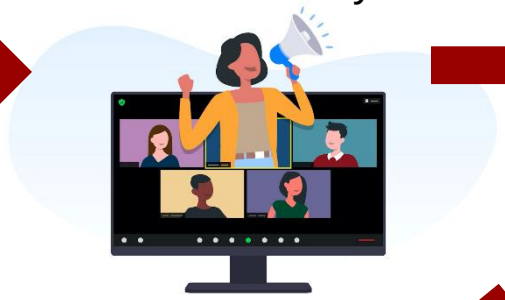
Intro to activities supporting the NPHRLs in regional/local capacity building

Tuesday, 30 November 2021
9:30 -15:15 CET - Virtual meeting

Identify strength and weaknesses – capacity gaps and needs for detection of the two pathogens

Min 16 countries incl 8 priority countries will be selected

To design questionnaire, set up survey and conduct analysis



Joint discussion among NPHRLs to improve survey questionnaire

Mapping/ scoring capacity gaps and needs across countries

Formulate new questions

Final survey to map capacity gaps and needs

Plan to build capacity for detection of the two pathogens

Identify strength and weaknesses – capacity gaps and needs for detection of the two pathogens

Tutorial showing the functionalities of the mapping tool

Financial support worth of € 5000 to assist the mapping

Final report in local language and a summary in English

Developed mapping report outline

Q/A - how to fill in and develop individual reports

Consolidated summary report

Activities supporting the NPHRLs in regional/local capacity building

Develop, provide, and implement tailored capacity activities to support NPHRLs to carry out regional/local capacity building for reliable detection and characterization of the two pathogens among 16 countries

- Technical laboratory assistance
- Address knowledge gabs as to QC and QMS
- Boosting scientific knowledge as the most optimal phenotypic and genotypic detection (WGS) methods for AMR for the two pathogens
- Implement and harmonize the referral procedures and methodologies used for a reliable monitoring system
- Strengthen pedagogic education and training in how to facilitate the use of the monitoring system
- How to develop capacity building action plans
- Improving communication and dissemination of results
- Business cases and writing applications

Financial support to support capacity building activities in priority countries

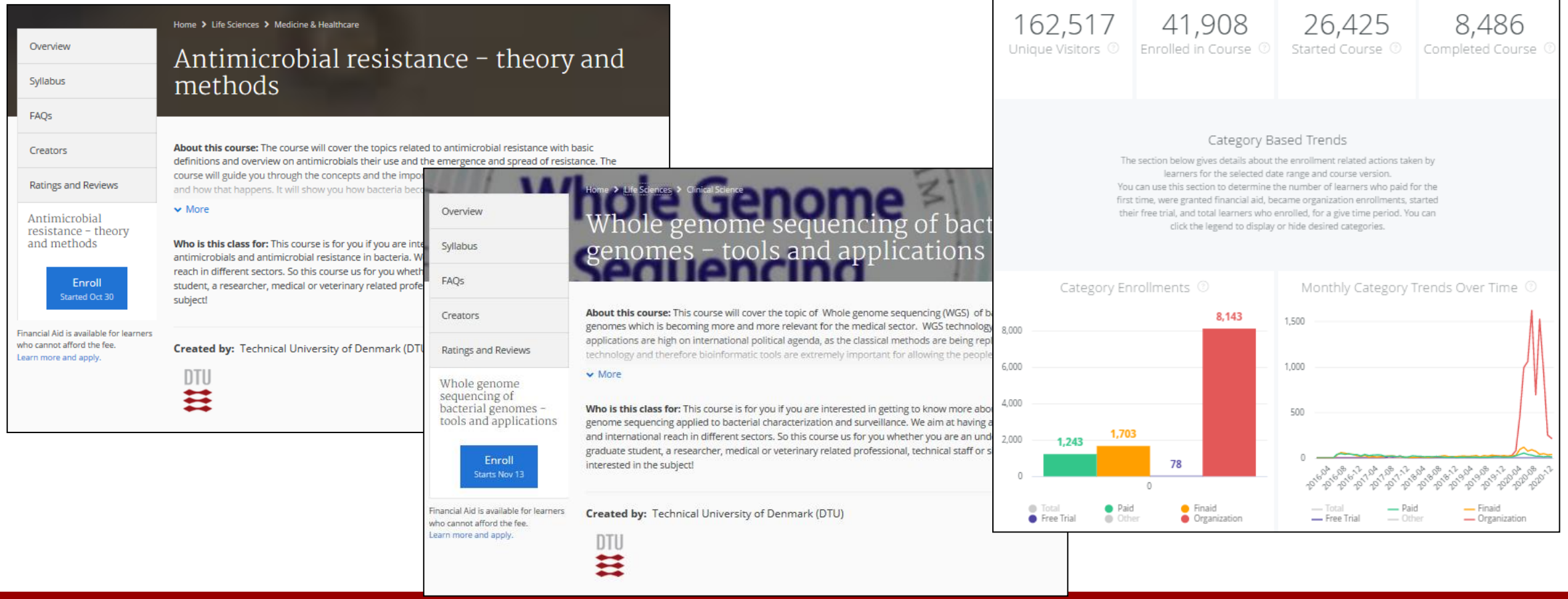
The financial support between € 5.000 – 10.000 should address needs and cover the following type of needs

- Reference strains for QC
- Standards and SOPs e.g. CLSI, ISO etc.
- Training consumables and simple equipment

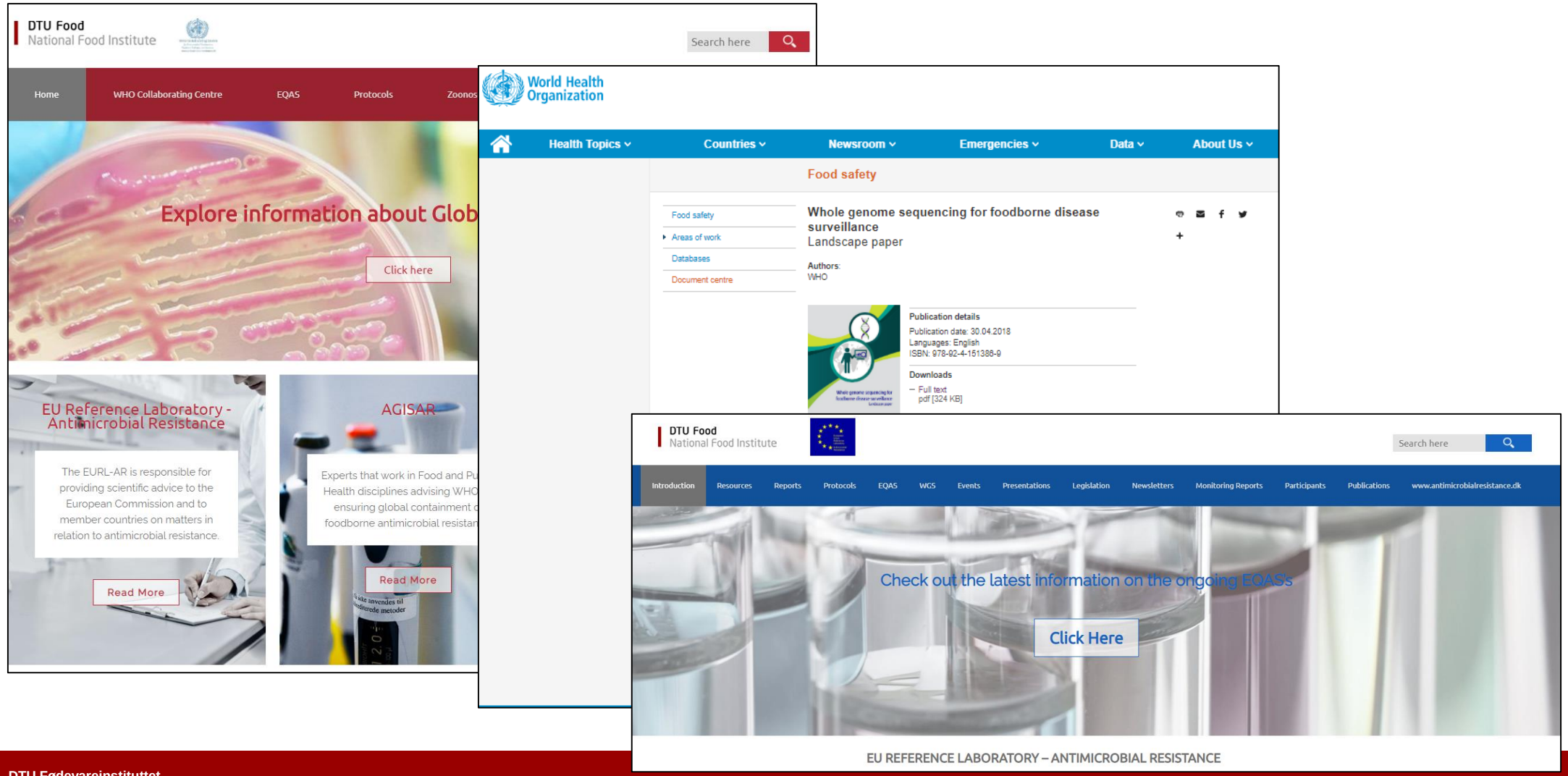
The funding will be granted based on applications indicating the purpose and activities

E-learning

Prerequisite for laboratory training for basic learning



Website resources



Organize and conduct work shops

- SSI and DTU, both have great experience in organizing workshops
  - DTU as WHO CC has since 1999 conducted workshops around the world building capacity in AMR and detection of zoonosis such as Salmonella and Campylobacter
  - SSI and DTU organize each year workshops as ECDC EQA provider and EURL AR

And many many more every year ever since

DTU Food
National Food Institute

STATENS SERUM INSTITUT

Joint virtual meeting on AMR for the

FWD-Network and EURL-AR Network

14th EURL-AR Workshop

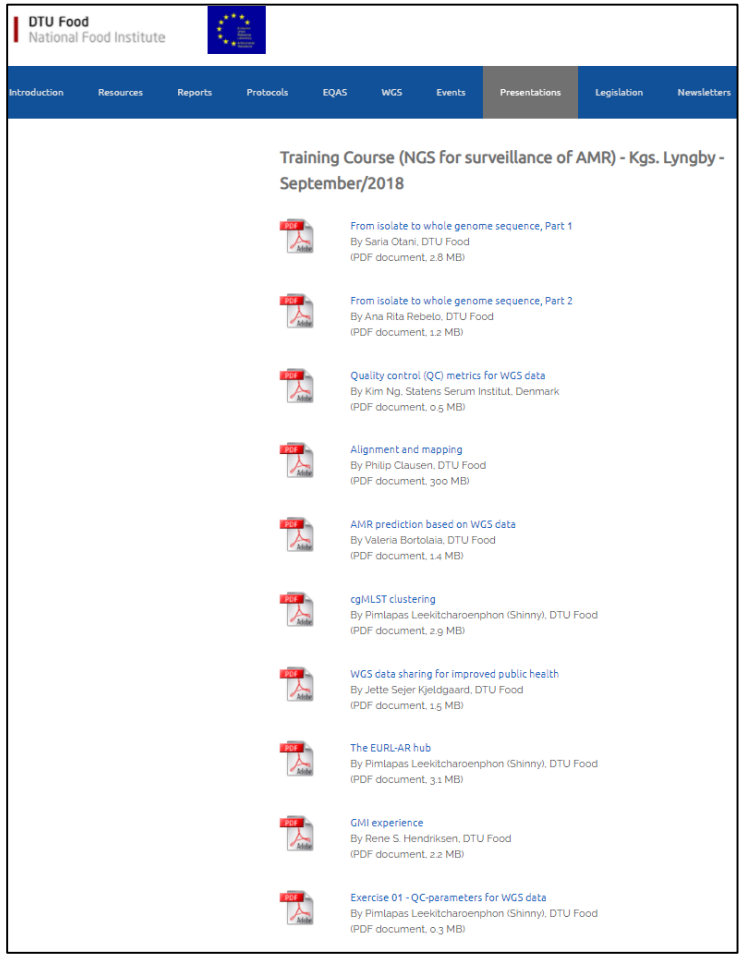
Wednesday, 29th April 2020

8:45 – 9:00	Log into the virtual system
9:00 – 9:15	**Welcome and introduction** (Rene Hendriksen, EURL-AR)
9:20 – 9:50	**EFSA-ECDC AMR report 2017/2018** (Pierre-Alexandre Beloeil, EFSA)
9:55 – 10:10	**Update from the EURL-AR** (Rene Hendriksen, EURL-AR)
10:15 – 10:30	**Update from the ECDC FWD** (Therese Westrell and Erik Alm, ECDC)
10:35 – 11:05	**Update from the European Commission: progress report on implementation of the 2017 European AMR Action Plan and AMR monitoring in food-producing animals and food as from 2021** (Martial Plantady and Aurélien Perez, European Commission)
11:10 – 11:25	**Update from the EFSA** (Pierre-Alexandre Beloeil, EFSA)
11:25 – 11:45	Break. The EURL-AR network continues the meeting - the FWD network is welcome to stay.
11:45 – 12:00	**NDM-4 carbapenemase gene harboured by a novel IncFII plasmid in E. coli of pig origin, Italy** (Virginia Carfora and Elena Diaconu, IZSLT)
12:05 – 12:20	**Overall outcomes of the EURL-AR EQAS 2019 for E. coli, Staph and Enterococcus** (Valeria Bortolaia, EURL-AR)
12:25 – 12:40	**The EFSA/EURL confirmatory testing for 2018-data** (Valeria Bortolaia, EURL-AR)
12:45 – 13:00	**Overall outcomes of the EURL-AR EQAS 2019 for Matrix** (Jette Sejer Kjeldgaard, EURL-AR)
13:05 – 13:30	**AOB and general discussions** (Rene Hendriksen, EURL-AR)

Organize and conduct laboratory courses

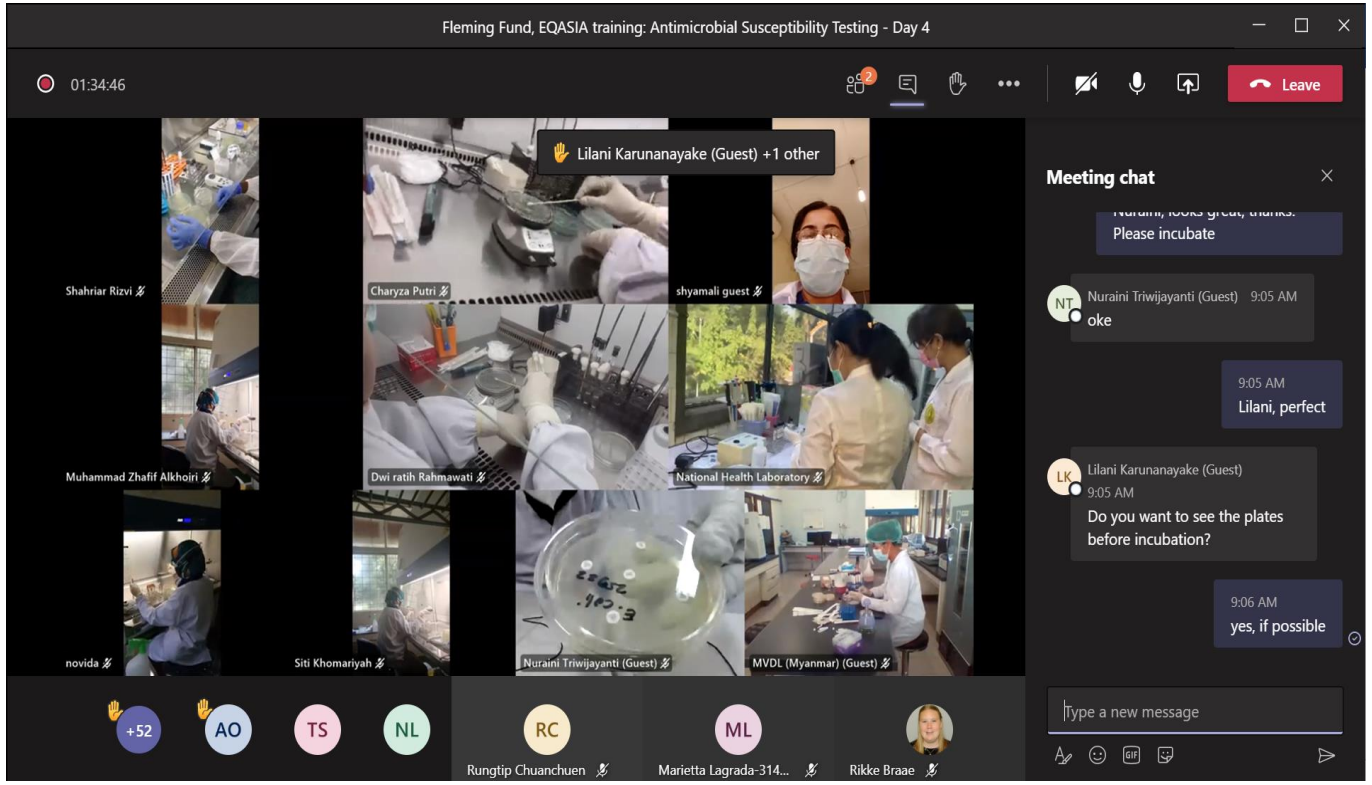
- SSI and DTU have a long track record for organizing laboratory training courses serving ECDC, WHO, FAO, and EC (EURL)

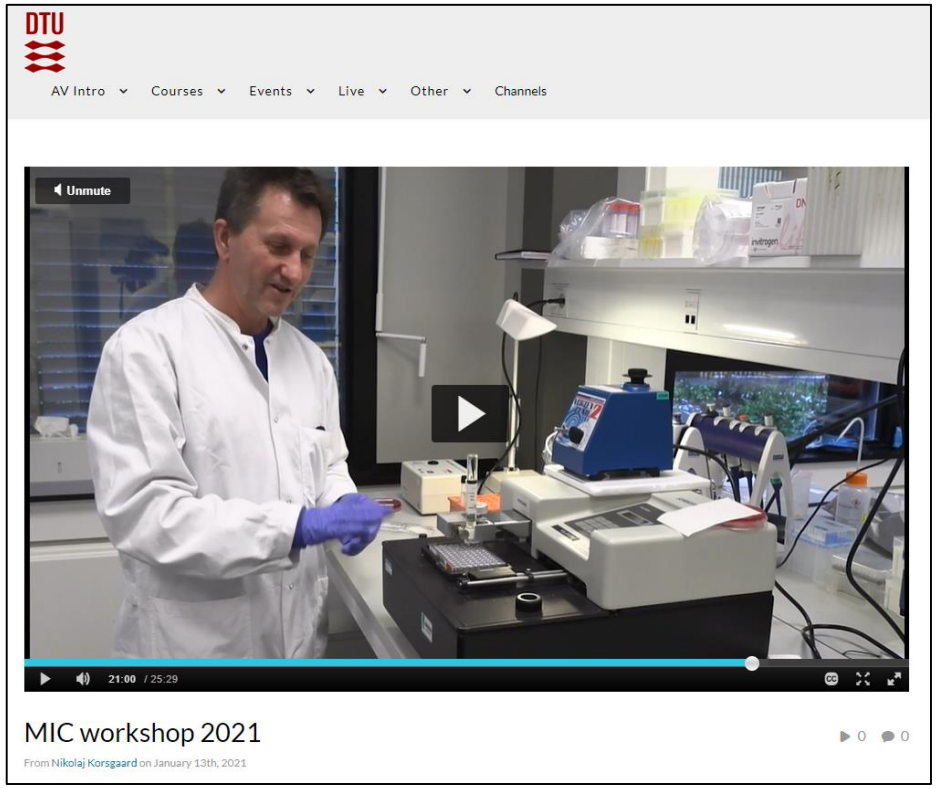
- Training objectives have covered phenotypic AMR testing, WGS-based methodologies including AMR prediction and OB detection, surveillance and epidemiology
  - Lab hands on exercises, theoretical lectures and computer exercises



Virtual training and site visits

- DTU has within the Fleming Fund regional Grant, EQASIA used virtual training to a vast extend by Teams and pre-recorded VDO's for lab demo's
  – potential to supplement lab training, site visits, individual consultancy services etc.

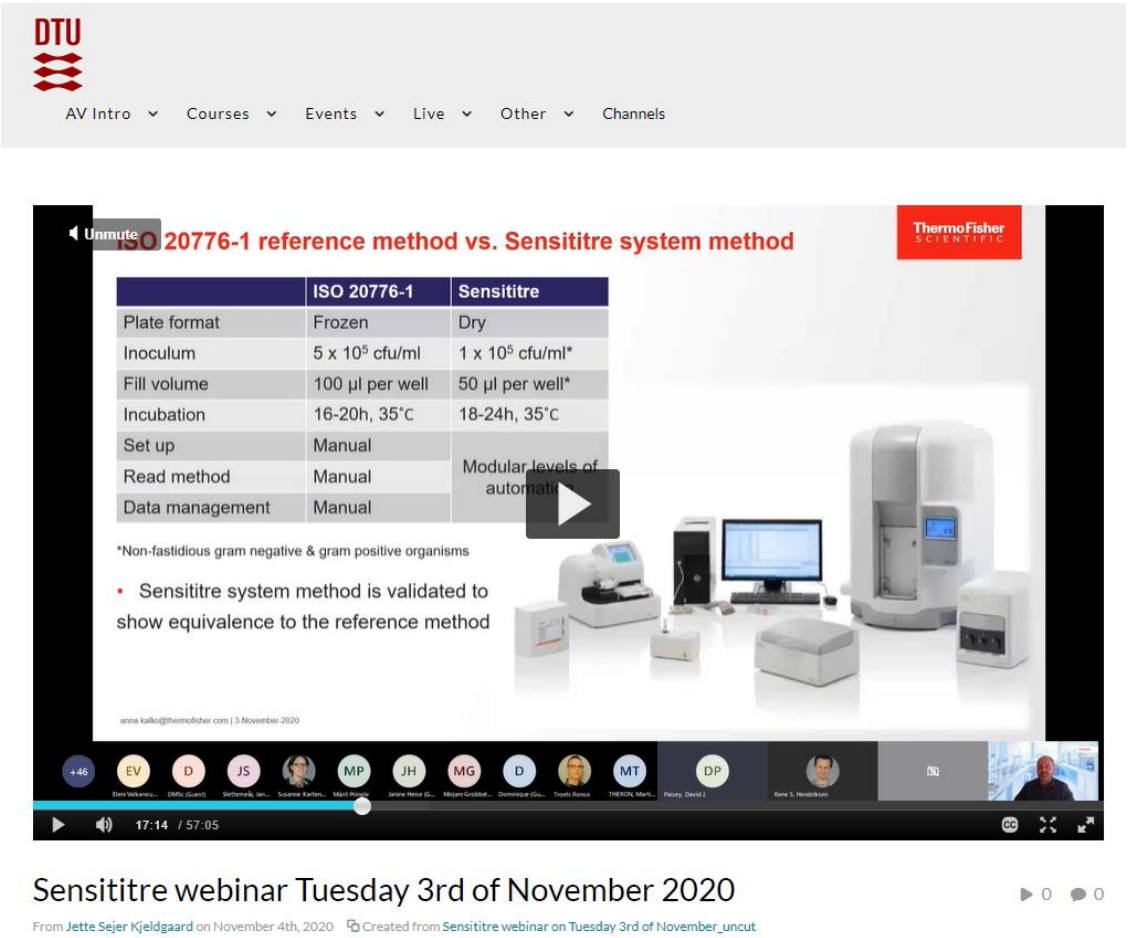




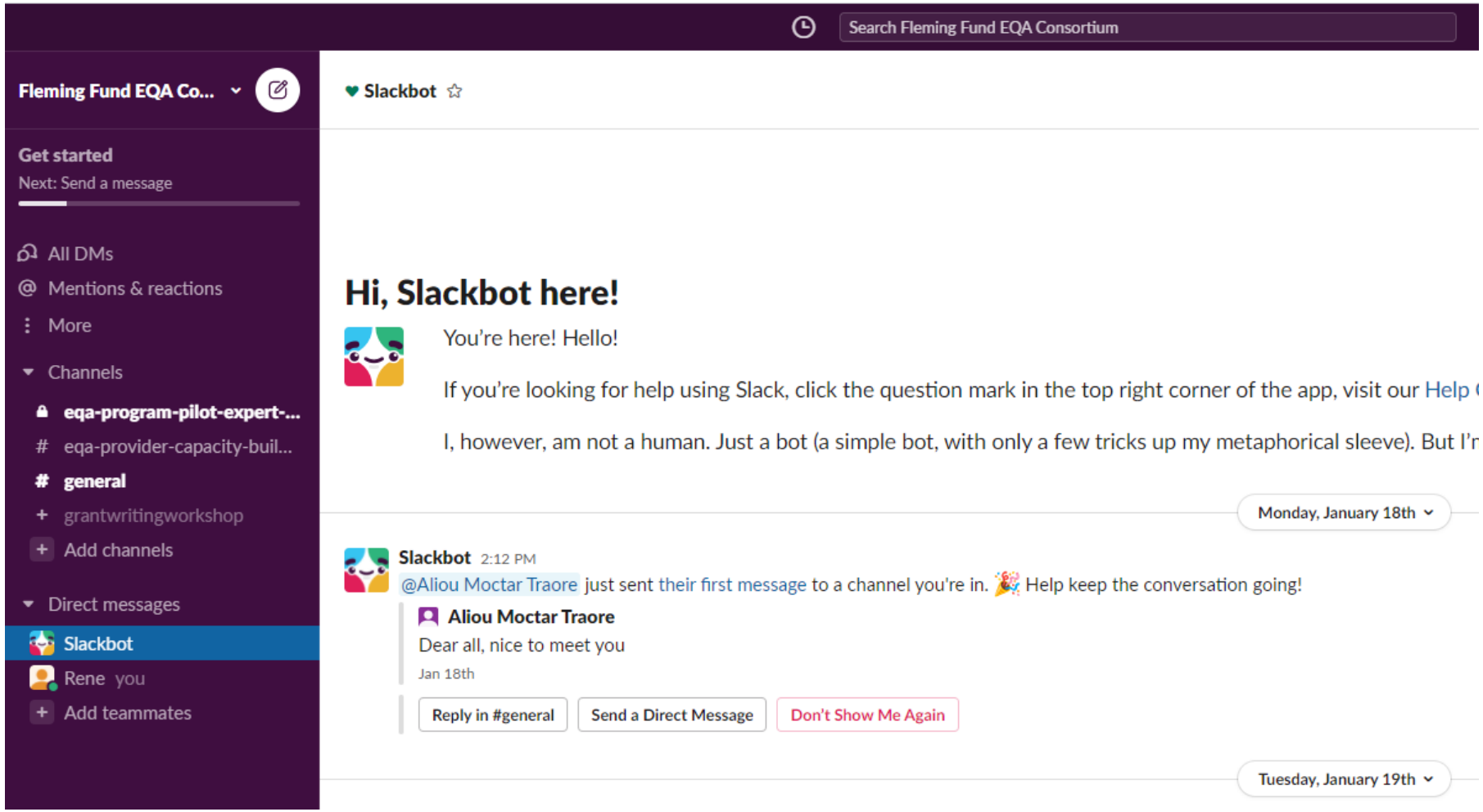
Multidisciplinary thematic webinars

- Thematic webinars will be organized to present and facilitate discussion of the network activities, e.g., the developments of minimum/optimal requirements for NRLs, the work on methodologies for genotypic AMR prediction, and results of the EQAs on phenotypic AST etc.

- Great experience with webinars using Teams or Zoom
  - intro of new EU Sensititre panels
  - new legislation (2020/1729/EU) going into force on January 2021
  - EURL AR WGS protocol



Communication - local and regional



Scientific advice and support

Thank you for your attention

Prof. Rene S. Hendriksen, PhD

Head of Research Group Global Capacity Building

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