

# POLICY DEVELOPMENT AND IMPLEMENTATION OF INTERVENTIONS TO CONTROL ANTIMICROBIAL RESISTANCE

**Tailored Course under the DFC Scholarship Programme**



## **Course dates**

Before arrival 2-hour online meeting (date to be announced)

Course preparation (approx. 10 hours)

On-site in Denmark: 9 - 27 November 2026 (3 weeks)

## **Where**

Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark

## **Introduction**

The overall aim of this course is to equip participants with in-depth knowledge on how to set priorities and develop evidence-based, context-specific, and cost-effective strategies to mitigate antimicrobial resistance (AMR) in humans, livestock, and the environment in low- and middle-income countries. Emphasising a One Health approach, the course will address the drivers and transmission dynamics of antimicrobial use (AMU) and resistance across sectors.

Participants will learn how to develop, cost, and evaluate National Action Plans (NAPs) and gain insight into the policy, economic, and behavioural factors critical to the design and implementation of effective AMR interventions. Denmark's more than 30 years of experience in AMR control—through collaboration among public health and veterinary authorities, knowledge institutions, and private sector actors such as the livestock industry—will serve as a reference point for understanding best practices and transferable solutions.

The course will combine lectures with problem-based learning, including case studies and scenarios analysed through group work involving participants from different countries. These sessions will be facilitated by university faculty and external experts from public institutions, industry organisations,



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and international bodies. Lectures and contributions will also be provided by global experts, including representatives from the International Centre for Antimicrobial Resistance Solutions (ICARS).

Group-based case work will allow participants to present and discuss AMU and AMR challenges and potential solutions from both national and global perspectives. Topics will cover a range of areas including surveillance systems, primary livestock production, healthcare and community settings, antimicrobial distribution and sales, evidence-based policymaking, and the economic and regulatory dimensions of AMR.

The course will also include exposure visits to hospitals and livestock production facilities, with opportunities for dialogue with farm veterinarians, regulatory authorities (e.g. the Danish Veterinary and Food Administration and the Danish Health Authority), and representatives from industry organisations such as the Danish Agriculture & Food Council.

### **Target group**

The course admits up to 25 participants affiliated—either directly or indirectly—with the Danish Strategic Sector Cooperation in their home countries. It is intended for professionals with a background and interest in antimicrobial use and resistance across human health, livestock, and environmental sectors (One Health). Eligible participants may come from research and academic institutions, public and non-governmental organizations, or private sector entities. Relevant experience in policy development or implementation of interventions is an advantage.

Applicants must hold at least a bachelor's degree in a relevant field and possess a good command of English.

### **Learning Objectives**

Upon completion of the course, participants will be able to:

- Collect and critically analyse diverse sources of information relevant to the development of AMR prevention and control programmes.
- Lead and coordinate the planning and implementation of context-specific AMR interventions, applying a One Health perspective where appropriate.
- Facilitate individual and collective learning and identify when to seek external expertise and knowledge to support AMR-related initiatives.
- Assess and prioritise interventions based on their potential effectiveness in preventing and controlling AMR.
- Develop national action plans and articulate how these plans align with and contribute to international AMR strategies.
- Explain and evaluate the health, societal, and economic impacts of AMR.
- Apply AMU and AMR surveillance data to inform the design of intervention and control strategies.
- Employ principles of responsive dialogue to engage and mobilise relevant stakeholders in AMR mitigation efforts.

## Methodology and action plans

The course is based on interactive, classroom-based teaching combined with problem-based learning through group work. A key component of the training is the application of course content to real-world AMR challenges from the participants' home countries. A series of exposure visits will be conducted during the second week of the on-site program.

- Learning by seeing: Field visits to livestock farms, hospitals, and key institutions such as the Danish Agriculture & Food Council, the Danish Veterinary and Food Administration (DVFA), the Danish Health Authority, and the International Centre for Antimicrobial Resistance Solutions (ICARS).
- Learning by doing: Group-based case work focused on the development of National Action Plans and context-specific AMR interventions.
- Learning by example: Participant-led presentations and discussions on AMR prevention and control challenges from their respective countries.
- Translating learning into action: Each participant will develop an individual action plan, to be presented at the end of the course, outlining how course knowledge will be translated into concrete activities within their home institution or context.
- Passing on learning: Participants will be equipped to share their knowledge and train colleagues on the implementation of AMR interventions using a One Health approach.

## Facilitators and contacts at University of Copenhagen

Teaching will be delivered by staff from the Department of Veterinary and Animal Sciences, University of Copenhagen, along with invited lecturers and experts from international institutions. These include universities, United Nations agencies such as WHO and FAO, the World Organisation for Animal Health (WOAH, formerly OIE), and the International Centre for Antimicrobial Resistance Solutions (ICARS).

Contributions will also be made by representatives from non-governmental organisations, as well as private sector stakeholders including the Danish Agriculture & Food Council (DAFC) and pharmaceutical companies. In addition, the Danish Veterinary and Food Administration (DVFA) will play a key role in providing practical and policy-oriented insights.

**Course responsible:** Professor Anders Dalsgaard ([adal@sund.ku.dk](mailto:adal@sund.ku.dk)), Department of Veterinary and Animal Sciences, University of Copenhagen.

## Who is Danida Fellowship Centre

Danida Fellowship Centre offers learning opportunities to partners in Danida financed development cooperation projects and programmes in developing and growth countries. Contact our learning team on [capacity@dfcentre.dk](mailto:capacity@dfcentre.dk)

## Exam

Pass/non-pass with diploma based on active participation in course activities.