



**Ministry of Food, Agriculture
and Fisheries of Denmark**

Danish Veterinary and
Food Administration

How the Danish Veterinary and Food Administration support Low- and Middle-income countries in combatting AMR

Ann-Sofie Hintzmann, Food and Feed Safety Division
Katrine Lundsby, Center for International Cooperation

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- 1. What is Strategic Sector Cooperation (SSC)?**
- 2. How and where do we work with AMR in our SSC projects?**
- 3. How have we and how will we work with AMR in our SSC project in Mexico?**



Strategic Sector Cooperation (SSC)

Launched in 2015 by the Danish Ministry of Foreign Affairs in Denmark

A tool to initiate sector cooperation between Danish public authorities and counterparts authorities in strategically selected low- and middle-income countries

A tool to promote framework conditions for sustainable development and at the same time Danish political and commercial interests



The overall aim of Strategic Sector Cooperation

1. To contribute to inclusive, sustainable growth and development in partner countries by supporting conducive framework conditions for the fulfilment of the SDGs
2. To strengthen and expand bilateral relations between Denmark and partner countries
3. To engage the Danish private sector in delivering solutions to the SDG challenges in partner countries



Way of working

- **Technical assistance through peer-to-peer collaboration with partner authorities**
- **Danish experts share their experience and knowledge in specific sectors and build long-term partnerships and relationships**



Examples of activities

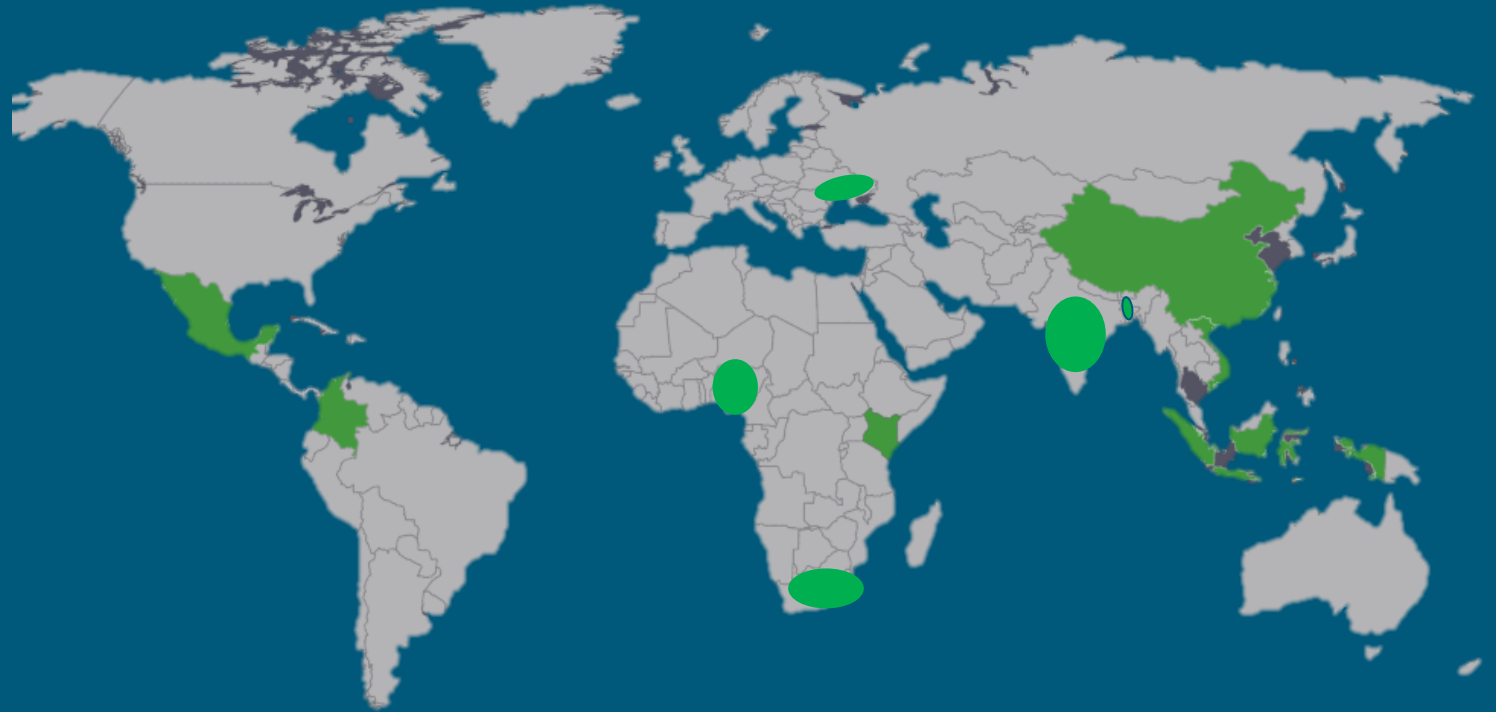
- **Mapping of regulations, policies and initiatives to identify potential gaps and overlaps**
- **Technical input to development, revision and implementation of legislative framework (regulations, policies and guidelines)**
- **Capacity development of competent authority**



DVFA's SSC-projects

Established projects:
Kenya, Nigeria,
Mexico, China,
Vietnam and
Indonesia

New projects in 2024:
Bangladesh, India,
South Africa and
Ukraine



DVFA core competencies mobilized in the SSC-projects

Food loss and food waste

Reduction of food loss and food waste, incl. effective food safety, control systems, hygiene and proper feed and animal health management

Agroecology

Including developing its foundation in form of a redible and effective government system for food, feed, animal health and veterinary control

One Health

Systems for ensuring a “One Health” approach, incl. animal health and antimicrobial resistance



DVFA's SSC-projects working with AMR

Nigeria

Capacity development in the areas of food, feed and animal management, control and registration and One Health

Mexico

Veterinary and Food Safety within the Mexican pig meat sector and AMR surveillance system

Vietnam

Improving framework conditions for food and feed safety in the pork value chain. AMR/AMU included from 2015-2023

Indonesia

Improving framework conditions for organic dairy production. Include AMR/AMU from 2024

Bangladesh (new in 2024)

Green transition of the dairy value chain. Includes AMR/AMU

South Africa (new in 2024)

Animal Health, AMR/AMU, Food Loss and Waste and Food Safety

India (new in 2024)

Green transition of the livestock sector. Include AMR/AMU (tentative)

Ukraine (new in 2024)

Food safety and animal health. Include AMR/AMU



Danish strongholds related to AMR and AMU

- ✓ Monitoring the use of antimicrobials and surveillance of antimicrobial resistance in a One Health perspective
- ✓ Prevention of animal diseases through animal welfare, biosecurity, hygiene, management
- ✓ Regulation and guidelines for prudent use of antimicrobials





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**How have we and how will we
work with AMR in our SSC
project in Mexico?**

SSC project in Mexico

Mexico

- 127 mio. people
- Covers 1.972.550 km²
- 21 mio. pigs



Denmark

- 6 mio. people
- Covers 42.952 km²
- 11 mio. pigs

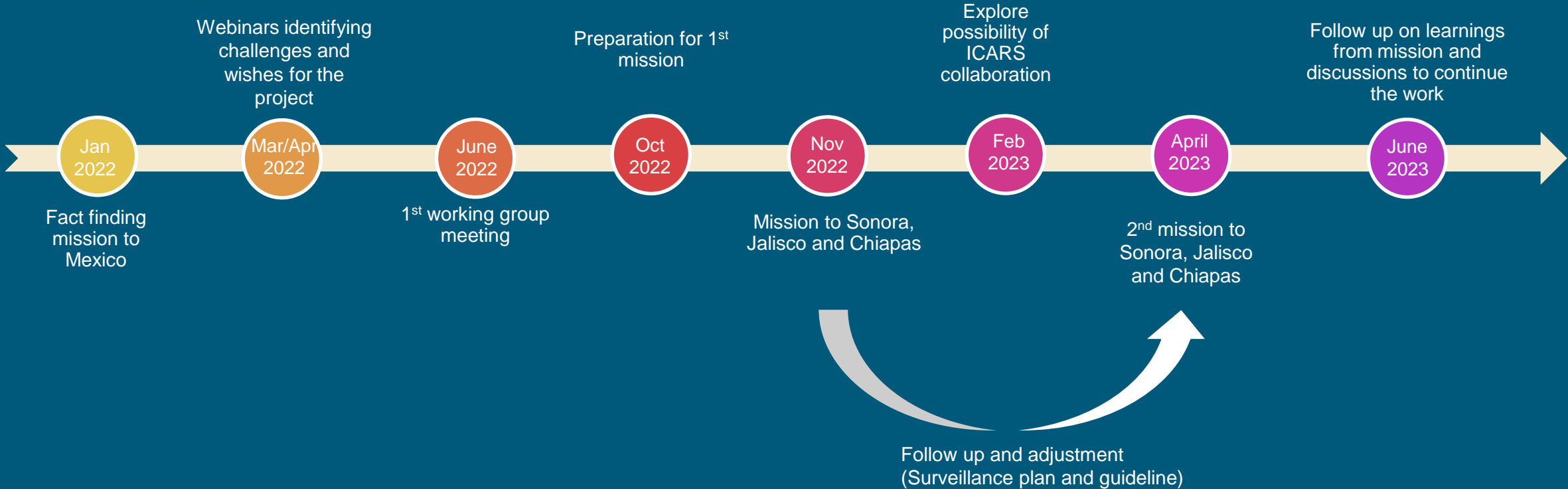
- ✓ Guideline for prudent use of antibiotics*
- ✓ Evaluate and update National Action Plan on AMR*
- ✓ Surveillance of AMR at slaughter house and at Mexican farms*
- ✓ Questionnaire to obtain knowledge on veterinary practices (AMU)*



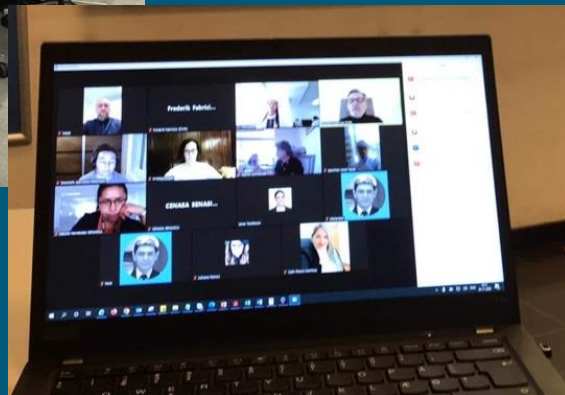
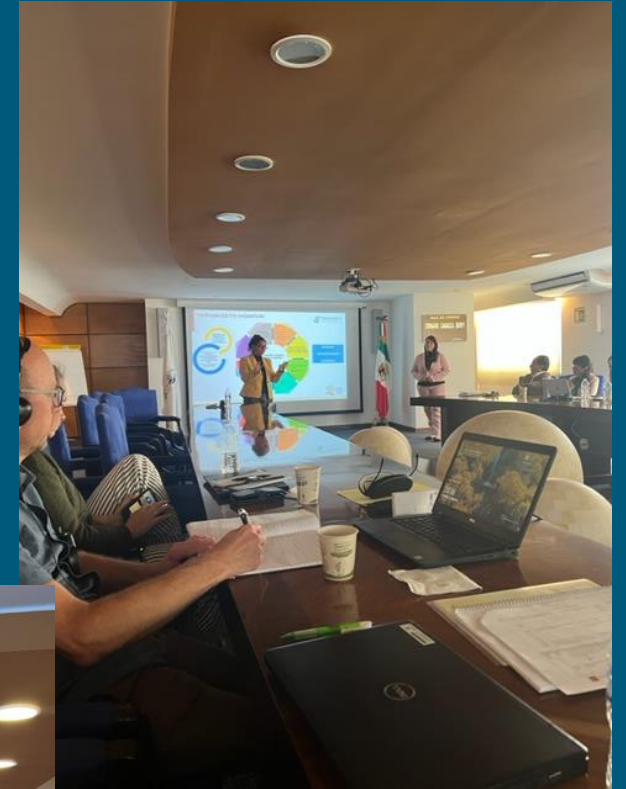
*Collaboration between departments and industry engagement



Project time line



SSC Mexico - Planning



SSC Mexico – Testing and learning



SSC Mexico – Adjusting



SSC Mexico - Adjusting

Project design:

- TIFF/Non-TIFF
- Number of samples (many facilities, limited budget)
- Analytic methods (MIC, Disc diffusion, WGS)



Shipping

- Temperature
- Time

Communication

- Videos and posters
- Training of staff

Temperature Range	% Samples
<0°C	0%
0 a 5°C	50.68% (37)
5 a 10 °C	39.73% (29)
>10 °C	9.59% (7)



SSC Mexico – Key learnings

Challenges:

- High temperatures in Mexico (up to 50°C)
- Contact between sample and cooling pads
- Long distances



Solutions:

- Correct amount cooling gels compared to size of container
- Card board box triangle
- Sampling design and shipping agreements



SSC Mexico – Planning phase 2

Phase 2 will start later this month 😊

Focus on data analysis, communication and development of policy based on results.





¡GRACIAS!

¿PREGUNTAS?

