



Food and Agriculture
Organization of the
United Nations



WORLD ORGANISATION
FOR ANIMAL HEALTH



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Second Consultation Meeting on Regional Monitoring and Surveillance Guideline Volume 5: “Monitoring antimicrobial use at the farm level”

27-29 April 2021
Virtual meeting

SUMMARY AND CONCLUSIONS

1. The lack of systematic and regular collection of high-quality data on antimicrobial usage (AMU) in livestock is a recognized gap in the food and agriculture sector in many countries that merits attention and collective action. To help countries in addressing this, the Food and Agriculture Organization of the United Nations (UN FAO) through the support of the FAO implemented USAID [Project on Addressing Antimicrobial Usage in Asia’s Livestock, Aquaculture and Crop Production Systems \(OSRO/RAS/502/USA\)](#) is working to progressively reinforce AMU monitoring initiatives in the region. One of its key initiatives, in partnership with stakeholders in the region, is the development of a regional guideline on “Monitoring antimicrobial use at the farm level”, which is the final volume of a series of five guidelines dedicated to the monitoring of antimicrobial resistance, AMU and antimicrobial residues.
2. The guideline is co-developed by the FAO Regional Office for Asia and the Pacific (FAO RAP), the World Organisation for Animal Health (OIE) Regional Representation in Asia and the Pacific (RRAP) and Sub-Regional Representation in South-East Asia (SRR-SEA). The OIE coordinates global monitoring of AMU in the animal sector, where countries voluntarily provide their national AMU data. These data are mainly originating from sales and imports of antimicrobial agents considering the OIE List of Antimicrobial Agents of Veterinary Importance. While these data provide a basis for the global view of AMU in the animal sector, a parallel collection of data at the farm level is an opportunity to provide the needed granularity for a stronger understanding of AMU (differences between animal species, production and age groups, reasons for use, routes of administrations etc.).
3. The Second Consultation Meeting on Regional Monitoring and Surveillance Guideline Volume 5: “Monitoring antimicrobial use at the farm level” aimed to:
 - Refine the current guideline draft; and
 - Plan the ways forward to finalize the guideline.
4. The virtual meeting brought together 119 participants (registered):

- Nominees from 15 countries (Indonesia, Japan, Thailand, Papua New Guinea, India, Australia, Cambodia, Chinese Taipei, Maldives, Bhutan, Singapore, New Zealand, Korea, Pakistan and Viet Nam);
- External experts, including experts from FAO Reference Centers for AMR and OIE Collaborating Centres; and
- Members of international organizations.

A solid parity was reached (52% females) and 26 countries were represented in total.

5. Dr Tikiri Wijayathilaka (OIE Regional AMR Technical Officer, OIE SRR SEA) provided an overview of the participants and presented the housekeeping rules.
6. Dr Kachen Wongsathapornchai (Regional Manager of ECTAD, FAO RAP) and Dr Ronello Abila (OIE Sub-Regional Representative for Southeast Asia) provided the opening remarks for the meeting. They thanked the many participants for their attendance and future contributions. They reminded the audience on the critical importance to tackle AMR globally and that both OIE and FAO are working together, as well as within the Tripartite to address AMR in a One Health approach. They insisted on the importance of the Regional Guideline 5 to support countries in generating more evidence on AMU in the animal sector.
7. Dr Mary Joy Gordoncillo (AMR Regional Project Coordinator, FAO RAP), provided an overview of the series of five regional guidelines being developed. She also summarized the numerous steps already completed in the development of the Regional Guideline 5.
8. Dr Rodolphe Mader (Regional Antimicrobial Stewardship Specialist, FAO RAP) provided an overview of the guideline chapters and how the guideline would be revised during the meeting. A team composed of a Lead Facilitator, Co-Facilitator and Chat Box Moderator was established for each Chapter session. The Lead Facilitator managed the discussion while the Co-Facilitator included comments on the guideline document, supported by the Chat Box Moderator.
9. Many comments were received, mainly through the chat box, but also through oral interventions. Some additional inputs from participants were received by emails during and after the consultation. The audience shared many examples from the region to better illustrate the content of the guideline.
10. On top of many aspects received throughout the guideline, several key areas of improvement were identified:
 - Making the guideline more applicable to aquaculture;
 - Making the guideline more practical to use;

- Re-organizing the guideline with the Chapter Operationalization put in the beginning; and
- Including a glossary

11. After the revision of the guideline, a discussion was initiated with the participants to understand which countries are already piloting AMU monitoring at farm level and which countries are planning to implement it. Important challenges to implement such AMU monitoring were raised by participants.

WAYS FORWARD

The following next steps were defined:

1. OIE and FAO will review all written and oral comments received and modify the guideline accordingly.
2. OIE and FAO will propose a generic Excel file data collection set attached to the guideline.
3. OIE and FAO will organize an additional review of the guideline by a small group of aquaculture experts to make it more applicable to this sector.
4. The guideline will be shared again to the participants of the regional consultation for final remarks.
5. Finalization of the draft guidelines.
6. Clearance steps at OIE and FAO.
7. Editing step.
8. Online and open access publication.

ANNEX 1: CONCEPT NOTE

<p>Title: Second Consultation Meeting on Regional Monitoring and Surveillance Guideline Volume 5: <i>“Monitoring antimicrobial use at the farm level”</i></p>
<p>Responsible Officer: Rodolphe Mader, Regional Antimicrobial Usage Specialist, and Tikiri Priyantha, Antimicrobial Resistance Technical Officer.</p>
<p>Background and justification:</p> <p>Lack of systematic and regular collection of high-quality data on antimicrobial resistance (AMR) and antimicrobial usage (AMU) in livestock is a recognized gap in the food and agriculture sector in many countries that merits attention and collective action. To help countries in addressing this, the Food and Agriculture Organization of the United Nations (UN FAO) through the support of the FAO implemented USAID Project on Addressing Antimicrobial Usage in Asia’s Livestock, Aquaculture and Crop Production Systems (OSRO/RAS/502/USA) is working to progressively reinforce AMR and AMU surveillance initiatives in the region.</p> <p>One of its key initiatives, in partnership with stakeholders in the region, is the development of a suite of regional guidelines on monitoring and surveillance of AMR: Volume 1 (<i>Monitoring and surveillance of antimicrobial resistance in bacteria from healthy food animals intended for consumption</i>); Volume 2 (<i>Monitoring and surveillance of antimicrobial resistance in animal pathogens from diseased livestock and poultry</i>); Volume 3 (<i>Monitoring and surveillance of antimicrobial resistance in aquaculture</i>); Volume 4 (<i>Monitoring and surveillance of antimicrobial resistance in animal pathogens in the animal environment</i>), and; Volume 5 (<i>Monitoring antimicrobial use at the farm level</i>). The Regional Guideline Volume 5 is co-developed between the FAO and the World Organisation for Animal Health (OIE).</p> <p>The OIE coordinates global monitoring of AMU in the animal sector, where countries voluntarily provide their national AMU data. These data are mainly originating from sales and imports of antimicrobial agents considering the OIE List of Antimicrobial Agents of Veterinary Importance. While these data provide a basis for the global view of AMU in the animal sector, a parallel collection of data at the farm level is an opportunity to provide the needed granularity for a more comprehensive understanding of AMU (differences between animal species, production and age groups, reasons for use, routes of administrations etc.).</p> <p>The Regional Guideline Volume 5 aims to become a practical tool for countries, primarily in the Asia-Pacific region. It provides guidance on the definition of AMU monitoring objectives, how to develop a data collection plan, analyze and report data, and how to operationalize such monitoring in the region.</p> <p>A preliminary regional consultation took place on November 8-9, 2018, jointly organized by FAO Region Asia and the Pacific (RAP) and OIE Regional Representation in Asia and the Pacific (RRAP) and Subregional Representation in South-East Asia (SRR-SEA). It led to an initial draft, further refined over time via external consultations and collective work between FAO and OIE.</p> <p>To move forward, FAO-RAP and OIE are organizing the Second Consultation Meeting on the Regional Monitoring and Surveillance Guideline Volume 5 (<i>Monitoring antimicrobial use at the farm level</i>). It will consist in a series of three virtual meetings on 27-28-29 April 2021. The consultation will bring together country representatives, as well as regional and international experts in the field of AMU monitoring.</p>
<p>Objectives/Outcomes</p> <ol style="list-style-type: none">1. Refine the current draft of the Regional Guideline Volume 5, and;2. Plan the ways forward towards the finalization of the guideline.
<p>Expected Outputs:</p> <ol style="list-style-type: none">1. Additional inputs and recommendations to improve the Regional Guideline Volume 5, and;2. Clear steps on the ways forward towards the finalization of the Regional Guideline Volume 5.

Key inputs/ Main Activities:

1. Draft of the Regional Guideline Volume 5, and;
2. Virtual technical discussions.

Implementation Methods:

1. General presentation of the draft of the Regional Guideline Volume 5, and;
2. Step-by-step revision of the guideline.

Timing/duration and Location:

Date: 27-28-29 April 2021 (3 days of virtual meeting), 2-4 pm Bangkok Time

ANNEX 2: AGENDA

Virtual Session #1 – 27 April 2021 14:00 - 16:00 Bangkok time

Time	Opening
14:00 – 14:15	Opening Remarks Introduction of Meeting Participants Briefing on housekeeping rules for the virtual meeting
Setting the scene	
14:15 – 14:30	Overview and introduction <ul style="list-style-type: none"> - Background to the development of Guideline #5 - General issues and challenges in the development process - Introduction to the guideline
Guideline revision: Chapters 1-3	
14:30 – 14:40	Presentation on Chapter 1: Introduction to the guideline
14:40 – 14:50	Regional Discussion on Chapter 1
14:50 – 15:00	Presentation of Chapter 2: Defining the objectives of antimicrobial use monitoring at farm level
15:00 – 15:15	Regional Discussion on Chapter 2
15:15 – 15:30	Presentation of Chapter 3: Development of a data collection framework
15:30 – 16:00	Regional Discussion on Chapter 3

Virtual Session #2 – 28 April 2021 14:00 - 16:00 Bangkok time

Time	Guideline Revision: Chapters 3-4
14:00 – 14:10	Welcome remarks and recap of the previous day
14:10 – 15:00	Regional Discussion on Chapter 3 (continued)
15:00 – 15:15	Presentation of Chapter 4: Data management, analysis and reporting
15:15 – 16:00	Regional Discussion on Chapter 4

Virtual Session #3 – 29 April 2021 14:00 - 16:00 Bangkok time

Time	Guideline revision: Chapter 5
14:00 – 14:10	Welcome remarks and recap of the previous day
14:10 – 14:20	Presentation of Chapter 5: Operationalization
14:20 – 15:20	Regional Discussion on Chapter 5
15:20 – 15:50	Summary and ways forward
15:50 – 16:00	Closing remarks

ANNEX 3: LIST OF PARTICIPANTS

Please note that participants connecting through the account of another participant may not be listed here.

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