![FAO logo] **Food and Agriculture Organization of the United Nations**

Global consultation on **integration of data and information for epidemic intelligence and decision-support in disease surveillance**

FAO Headquarters
Hybrid | Ethiopia room
16–18 April 2024

Concept note and agenda

Technical consultation on integration of data and information
for epidemic intelligence and decision-support in disease surveillance
FAO headquarters, Rome, Italy | Ethiopia room (C289) | 16-18 April 2024

Tuesday, 16 April 2024

Time	Agenda items and presenters

9:00 - 9:30   **Welcome session**   *Chair: Fairouz Larfaoui, Animal Health Officer, FAO*

- Welcome address and opening remarks (10 minutes)
  Thanawat Tiensin, Director of Animal Production and Health Division, FAO
- One Health Priority Programme area and strategic vision for epidemic intelligence (10 minutes)
  Madhur Dhingra, Senior Animal Health Officer, FAO
- FAO's strategic framework for Early Warning of Animal Health Threats (10 minutes)
  Fernanda Dórea, Global Project Coordinator – Early Warning, FAO

9:30 - 10:30   **Introductions and icebreaker**   *Chair: Crawford Revie, Senior Expert Early Warning Information Systems, FAO*

10:30 - 11:00   Coffee break **(group photo in the foyer)**

11:00 - 12:30   **Data Integration Opportunities**   *Chair: Ismaïla Seck, Animal Health Officer, FAO*

- Case study 1 – WHO hotspot dashboards for zoonotic disease emergence risk (10 minutes)
  Sophie von Dobschütz, Technical Lead - MERS-CoV and novel Coronaviruses, World Health Organization (WHO)
- Case study 2 – Challenges and opportunities when integrating AMU/AMR data (10 minutes)
- *Klara Saville, Head of International Engagement on Antimicrobial Resistance, Veterinary Medicines Directorate (United Kingdom)*
- Case study 3 – The importance of systems integration to One Health in Tanzania (10 minutes)
  Esron Karimuribo, Digital and Data Sciences Programme Leader, SACIDS Foundation for One Health
- Case study 4 – Empowering research data management: introducing the PREZODE International Data Working Group (10 minutes)
  Paula Carceres, Chief Data Officer, French National Institute for Agriculture, Food, and Environment (INRAE)/PREZODE
- Q&A session and panel discussion around data integration opportunities (30 minutes)

12:30 - 13:30   Lunch

13:30 – 15:00   **Integration of surveillance data (*Early detection*)**

- Breakout groups (45 minutes):
  - Group 1: Passive and active surveillance (Event Mobile Application EMA-i+, etc.)
  - Group 2: Lab-based data collection (Laboratory Information Management System (LIMS), etc.)
  - Group 3: Animal demographic data (births, deaths, densities, movements, etc.)
- Feedback and discussion (40 minutes)
- Summary (5 minutes)

15:00 - 15:30   Coffee break

15:30 – 17:00   **Integration of *non-routine* data into surveillance (*risk monitoring*)**

- Breakout groups (45 minutes):
  - Group 1: Research-based data (university studies, one-off active surveillance, etc.)
  - Group 2: Climatic and other environmental data layers (weather, precipitation, air quality, fire index, etc.)
  - Group 3: Syndromic surveillance and various forms of *syndromic* data (drug purchases, community reports, commodity prices, etc.)
- Feedback and discussion (40 minutes)
- Summary (5 minutes)

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Wednesday, 17 April 2024

Time	Agenda items and presenters	
9:00 - 9:10	**Welcome back and review of Day 1**	*Chair: Crawford Revie, Senior Expert – Early Warning Information Systems, FAO*

- Presentation of the structure and goals of day 2 (10 minutes)

Time	Agenda items and presenters	
9:15 - 10:30	**Overview of FAO-based systems**	*Chair: Baba Soumare, Senior Animal Health Officer, FAO*

- EMPRES Global Animal Disease Information System (EMPRES-i) (10 minutes)
  Andrea Capobianco Dondona, EMPRES Early Warning Systems Coordinator, FAO
- EMA-i+ (10 minutes)
  Gaëlle Nicolas, Early Warning Specialist, FAO
- Q&A and discussion – 20 minutes
- Agro-informatics, Digital Services Portfolio (DSP), Hand-in-Hand (HiH) (10 minutes)
  Karl Morteo, Information Technology Officer, Digital FAO and Agro-informatics Division (CSI), FAO
- Rift Valley Fever (RVF) Early Warning Decision Support (RVF-DST) (10 minutes)
  Claudia Pittiglio, Disease Ecology and Risk Monitoring Expert, FAO
- Q&A and discussion – 20 minutes

Time	Agenda items and presenters	
10:30 - 11:00	Coffee break	
11:00 – 12:30	**Integration in the context of national animal health surveillance (including opportunities for EMPRES-i/EMA-i+ support)**	*Chair: Andrea Capobianco Dondona, EMPRES Early Warning Systems Coordinator, FAO*

- Practical experiences (45 minutes)
  Discussions around national experiences with data integration for decision-making in animal health, using EMPRES-i/EMA-i or any other platforms. Special emphasis will be placed on issues concerning integration, allowing participants to provide valuable feedback on areas for improvement and enhancement.
- Plenary discussions (45 minutes)

Time	Agenda items and presenters
12:30 – 13:30	Lunch
13:30 – 15:00	**Data integration needs**

- *Ideal* scenario/example: how integration is key from the perspectives of data (15 minutes)
  Crawford Revie, Senior Expert – Early Warning Information Systems, FAO
- Breakout groups: brainstorming on the challenges and opportunities to achieve data integration. What stands in the way of an *optimal scenario*? What hinders *timeliness*? (30 minutes)
- Reporting back to the plenary (15 minutes)
- Discussion (30 minutes)

Time	Agenda items and presenters
15:00 – 15:30	Coffee break
15:30 – 17:00	**Analysis integration needs**

- *Ideal* scenario/example: how integration is key from the perspectives of analytical tools (15 minutes)
  Fernanda Dórea, Global Project Coordinator (Early Warning), FAO
- Breakout groups: brainstorming on the challenges and opportunities to achieve integration that could better support analytical outputs. What hinders us from achieving *optimal scenarios*? (30 minutes)
- Reporting back to the plenary (15 minutes)
- Discussion (30 minutes)

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Thursday, 18 April 2024

Time	Agenda items and presenters
9:00 – 10:30	**Key integration priorities** *Chair: Madhur Dhingra, Senior Animal Health Officer, FAO*

- Reflections on Day 2 and plans for today's sessions. The way forward: priorities and a roadmap for EMPRES-i integration (10 minutes)
  Crawford Revie, Senior Expert Early Warning Information Systems, FAO
- Breakout groups: brainstorming on the key priorities for EMPRES-i integration activities: what would be *essential*, *highly useful* or *nice-to-have*? (30 minutes)
  – Group 1: national data collection and integration
  – Group 2: national data visualization and analysis
  – Group 3: Global reporting and use of global data for intelligence at national level
- Reporting back to the plenary: consensus-based priority list of integration needs (20 minutes)
- Q&A from CSI to the groups (CSI lead discussion and inquiry to groups) (30 minutes)

10:30 – 11:00	Coffee break
11:00 – 12:30	**Feasibility – CSI's perspective** *Chair: Nicholas Lyons, Animal Health Officer, FAO*

- Practical perspectives on prioritisation in the context of current FAO platforms (20 minutes)
  Eduardo Machado, Information Technology Officer, Digital FAO and Agro-informatics Division (CSI), FAO
- Panel session (40 minutes):
  – Discussion on feasibility of achieving various integration priorities
  – Debate as to the need/genuine challenges of these priorities
- Generation of an initial *road map* based on reviewed priorities and feasibility (30 minutes)

12:30 – 13:30	Lunch
13:30 – 14:30	**The way forward** *Chair: Zelalem Tadesse, Senior Animal Health Officer, FAO*

- Pathway for operationalization: Roadmap and guidelines for national and regional integration scenarios (15 minutes)
- Discussion (45 minutes)
  Ismaïla Seck, Animal Health Officer, FAO
- Closing remarks (30 minutes)
  Madhur Dhingra, Senior Animal Health Officer, FAO

14:30 – 15:00	**End of event**