Food and Agriculture Organization of the United Nations

FAO initiatives and activities on AMR in Europe and Central Asia

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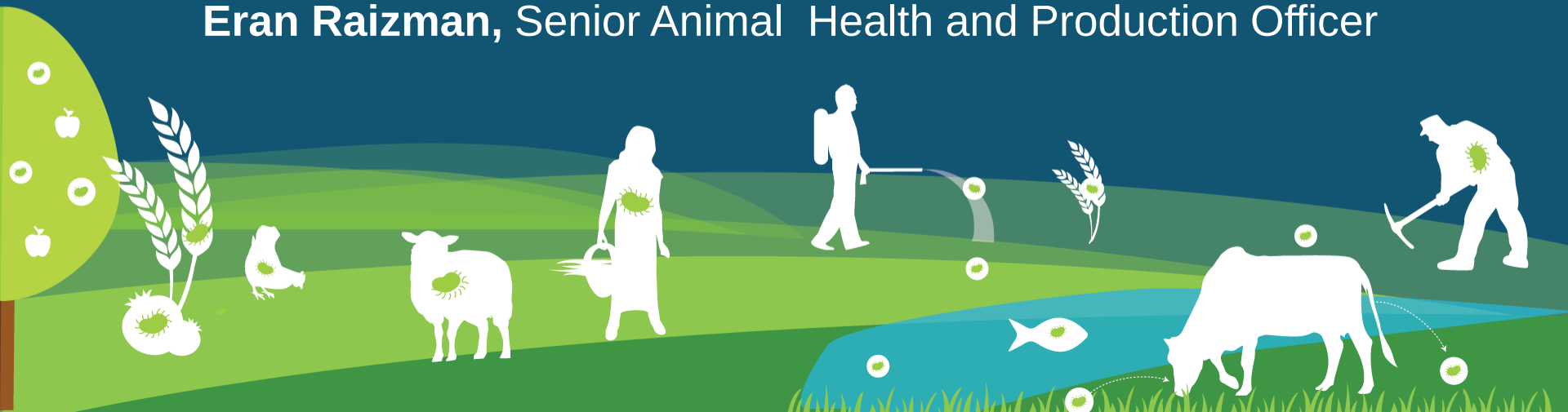


Awareness raising Regional level

- Often through tripartite initiatives (FAO, WHO and OIE)
- Largely focused on WAAW
- Recent examples:
  - Joint tripartite statement (13 Nov 2020)
  - High level webinar (23 Nov 2020)
  - International conference on Food Safety Risk Analysis and Antimicrobial Resistance (Dec 2019)
  - Online resources

Awareness raising
National level

- Focused on livestock sector
- Through associations, schools, universities and other agricultural institutions
- Livestock-focused leaflet (16 languages)
- Summary of activities for WAAW 2020
  - Social media
  - Professional journals & newspapers
  - Press conferences
  - Round tables
  - Radio programs

FAO tools - PMP

FAO's Progressive Management Pathway (PMP) for AMR

- Governance tool to help the food and agriculture production sectors – public or private – with developing and implementing multisector, One-Health, NAPs.
- Identify strengths, gaps and action points
- Step-by-step improvements and track progress
- Conducted in Tajikistan and Kyrgyzstan (Belarus and Armenia on the pipeline)

FAO tools - ATLASS

FAO's Assessment Tool for Laboratories and Antimicrobial Resistance Surveillance Systems (ATLASS)

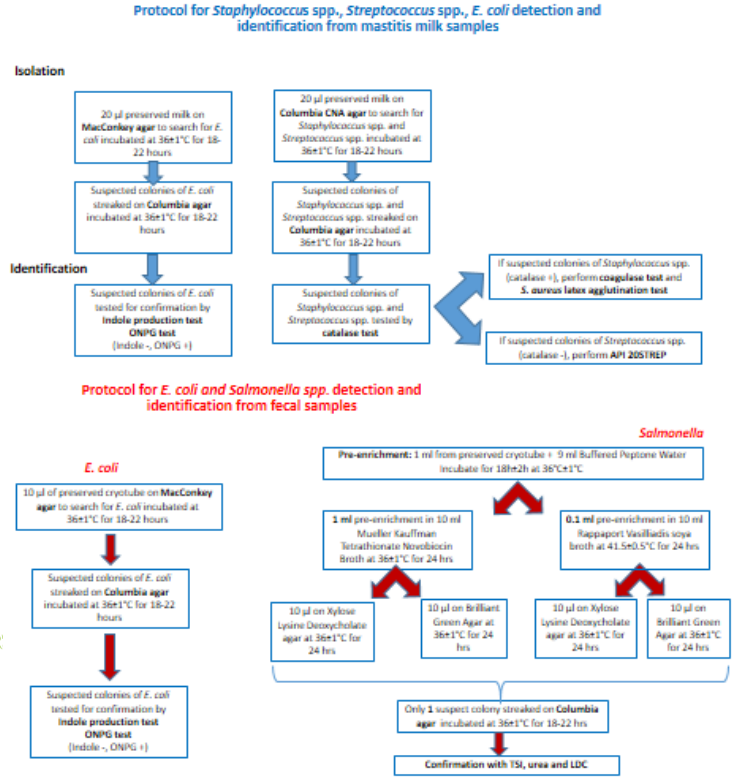
- Allows countries to assess and improve their national AMR surveillance systems.
  - Generate a baseline and defines a "stage" for lab
  - Assess five main areas for effective surveillance
  - Identify steps for improvement and priority actions
  - Monitor progress through the Progressive Improvement Pathway

FAO tools - AMU survey

- Priority regions/Oblasts
- Interviewees:
  - Farmers (of priority production systems), field vets, vet pharmacies and feed mills
- Through a mobile App - KoboCollect
- Activity combined with:
  - Biosecurity assessment (Biocheck) of commercial poultry and dairy farms
  - Awareness effort
  - Manure and milk sampling
- Result: AMU baseline

AMR laboratory testing

- Manure and milk samples
- Sampling protocols
- Sample storage and testing protocols
  - *Staphylococcus* spp., *Streptococcus* spp., *E. coli* (milk samples)
  - *E. coli and Salmonella* spp. detection and identification from fecal samples
- Procurement of equipment and reagents
- Data management
- Lab trainings
- Result: AMR baseline by region, livestock species and production system



Promoting prudent use

(Upcoming)

- Based on AMR and AMU baselines
- Reduce AMU through promoting good husbandry, biosecurity and animal health practices
- Dairy & poultry commercial farms
- Farmers and veterinarians
- Demonstration farms, FFS, TOTs, farm visits
- Focused awareness and training materials

Other activities

- Baseline review and assessment of national legislation – National reports & recommendations
- Support the development of integrated surveillance systems
- Assist countries in establishing intersectorial coordination mechanisms for NAPs development
- Regional coordination

RESPONSIBLE USE
OF ANTIMICROBIALS IN AGRICULTURE
SAVES LIVES