



World Organisation  
for Animal Health

**សិក្ខាសាលាស្តីពី  
ការពិនិត្យមើលការអនុវត្តផែនការសកម្មភាពជាតិ និងកិច្ចសហការ  
ពីការអង្កេតតាមដាន និងការចែករំលែកទិន្នន័យ AMR/AMU នៅកម្ពុជា**

“The implementation of NAP and advancing collaborations in AMR/AMU  
surveillance/data sharing in Cambodia”

25-27 March 2025, Sweet Boutique Hotel, Kampot Province , Cambodia

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# FAO AMR Surveillance and Monitoring: So far 2025

**Reviewing Workshop on Implementation of NAP and Advancing  
Collaboration in AMR-AMU Surveillance/data Sharing, March 25-27,  
2025, Kampot**

Action to support  
implementation of  
**Codex AMR Texts**  
(ACT)



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- AMR Surveillance scope
- Surveillance and Monitoring Planning
- ATLASS surveillance and laboratory assessment
- AMR Human-Animal-Environment Economic impact studies





# Surveillance and Monitoring Scope

- Surveillance assessment capacity for NAHPRI on ATLASS in 2024
- Terrestrial animals and aquaculture samples collection in Prey Veng, Kampong Cham, Pursat and Kandal in 2024 (360 samples of E-coli and salmonella from 9 farms were tested).
- Aquacultures: 400 samples in 40 farms.
- Terrestrial animals sample collection 480 of E-coli and salmonella from poultry and pig farms (80 farms) in Battambang, Siem Reap, Kampong Chhnang and Kampong Speu in 2025.
- Pathogens: E-coli, Salmonella and Aeromonas H.



# **AMR Surveillance & Monitoring Planning**

- **18 provinces have not been studied: terrestrial animals: budget required for samples collection and AST: approx. \$100,000.**
- **10 provinces for aquacultures sample collection and AST : \$80,000**
- **Time requires to complete the surveillance and monitoring: 2025-2027.**
- **Slaughterhouses: samples collection is good for MRL test.**



# **ATLASS surveillance and laboratory assessment**

- Conducted and assessed in 2024. Assessment result is shown.
- What have been assessed:
  - Facilities and
  - Staffing
- Schedule of next assessment: 2026

***Can GDAHP/NAHPRI perform ATLASS Surveillance and Assessment by themselves? Self-assessment.***



# AMR Human-Animal-Environment

## Economic impact studies

### Human

- 8 organisms (pathogens) *Escherichia coli*, [Klebsiella pneumoniae](#), [Acinetobacter baumannii](#), [Staphylococcus aureus](#), [Streptococcus pneumoniae](#), *Salmonella* spp., [Shigella](#) spp., and [Neisseria gonorrhoeae](#) ([WHO, 2015a](#))
- 2025: 10 organisms (select from urine, blood and bone marrow) of patients.
- Selected patients
- Income of patients
- Randomly selected healthy persons frequently use antibiotics
- Percent of falsified medicine use

### Animals (aquacultures)

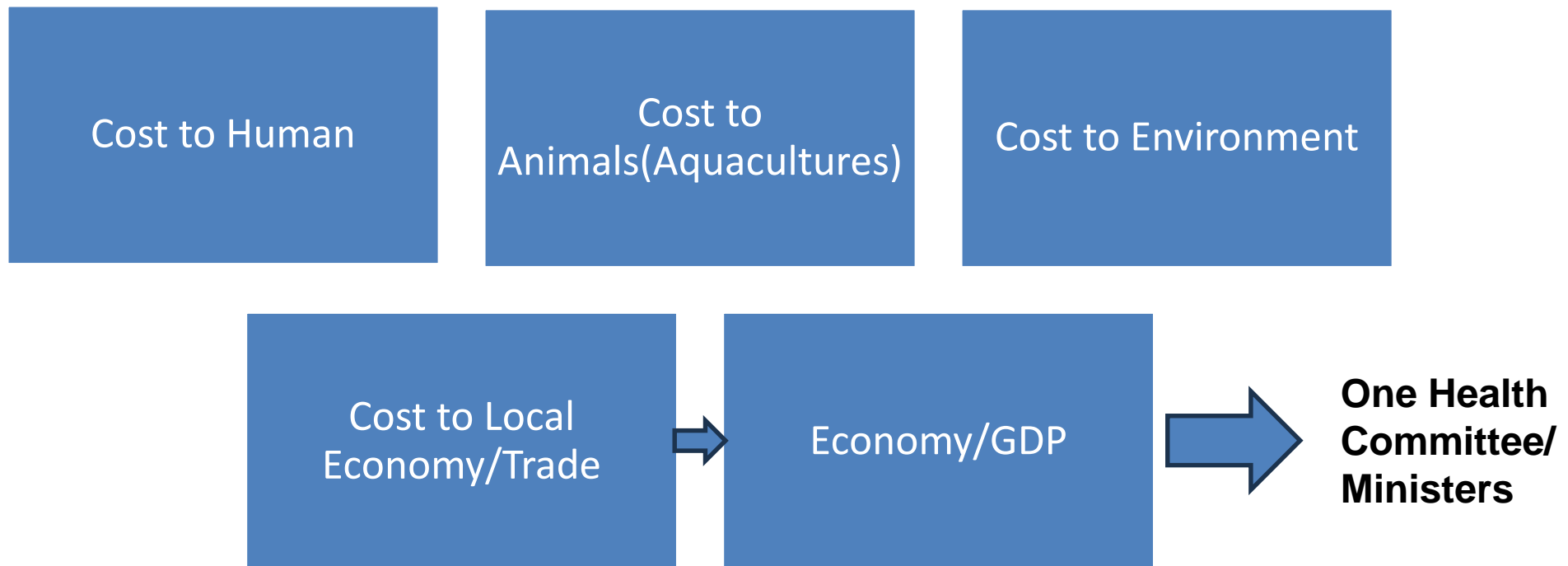
- 3 organisms (pathogens)- E-coli, Salmonella, Aeromonas H. + More
- More 50% of selected wine and poultry farms and aquacultures
- Income of farmers
- Feed industries
- SFVP and
- Other key parameters/variables in the value chain

### Environment

- Human pathogens + Animals pathogens?
- Impact on soil microorganisms
- Income of aquatic lives.
- Other key parameters/variables



# Result of AMR Human-Animal-Environment Economic impact studies







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# NO Time to wait

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**ACT** Now  
to **STOP**  
Foodborne AMR







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# Thank you

Action to support implementation of **Codex AMR Texts** (ACT)



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