



Food and Agriculture  
Organization of the  
United Nations



World Organisation  
for Animal Health  
Founded as OIE

# Progressive Management Pathway for Terrestrial Animal Biosecurity (PMP-TAB)

*Towards a sustainable and resilient livestock sector*

GF-TADs Standing Group of Experts on African Swine Fever for Africa meeting  
Abidjan, Cote d'Ivoire, 1-3 August 2023

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Chair of GF-TADs Working Group on African Swine Fever



# Better Production 3: FAO's One Health Programme Priority Area

1: Strengthened and integrated early warning and information systems

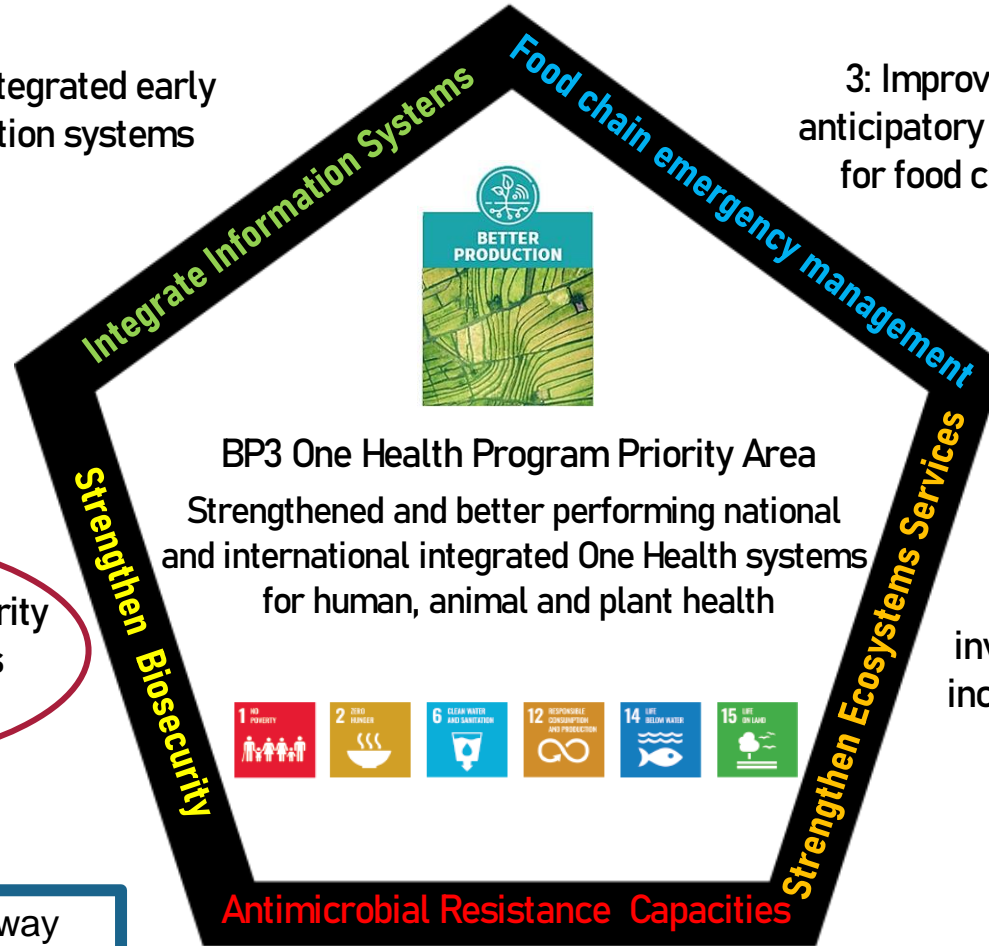
3: Improved preparedness, anticipatory action and response for food chain emergencies

2: Enhanced national biosecurity to prevent next pandemics

5: Sustained country investments on OH systems including biodiversity and its ecosystem services

4: Improved capacities in antimicrobial resistance risk management

Progressive Management Pathway for Terrestrial Animal Biosecurity (PMP-TAB)



# PMP-TAB: Progressive Management Pathway for Terrestrial Animal Biosecurity

FAO defines biosecurity as a **strategic** and **integrated** approach that encompasses the policy and regulatory frameworks for **analysing and managing relevant risks** to **human, animal and plant life and health**, and associated risks to the environment



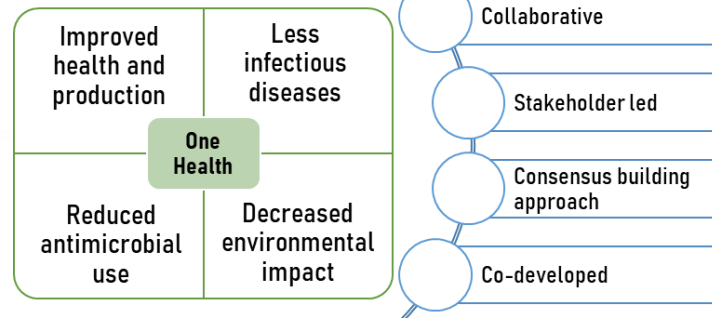
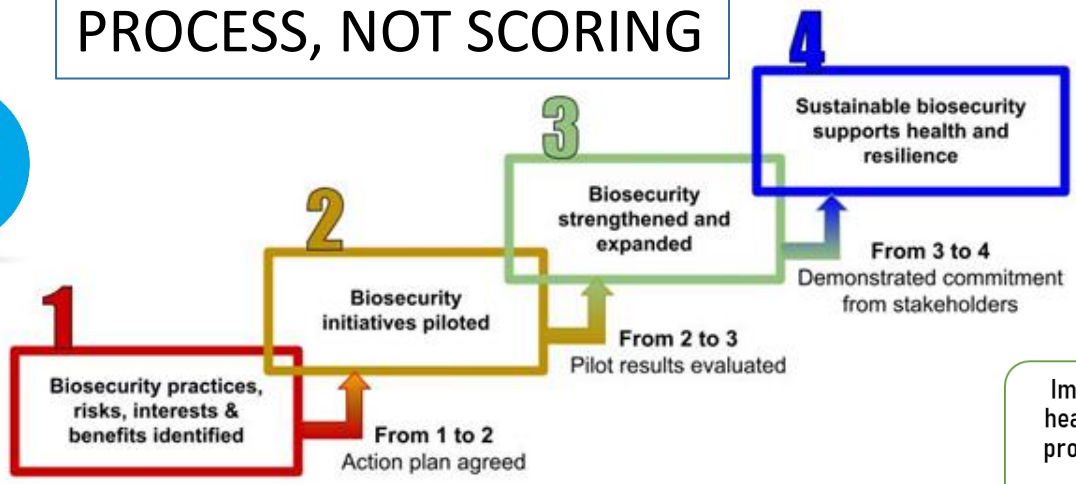
Progressive Management Pathway  
for Terrestrial Animal Biosecurity  
(FAO-PMP-TAB)



<https://www.fao.org/documents/card/en/c/cc5771en>

## PROCESS, NOT SCORING

STEP  
BY  
STEP

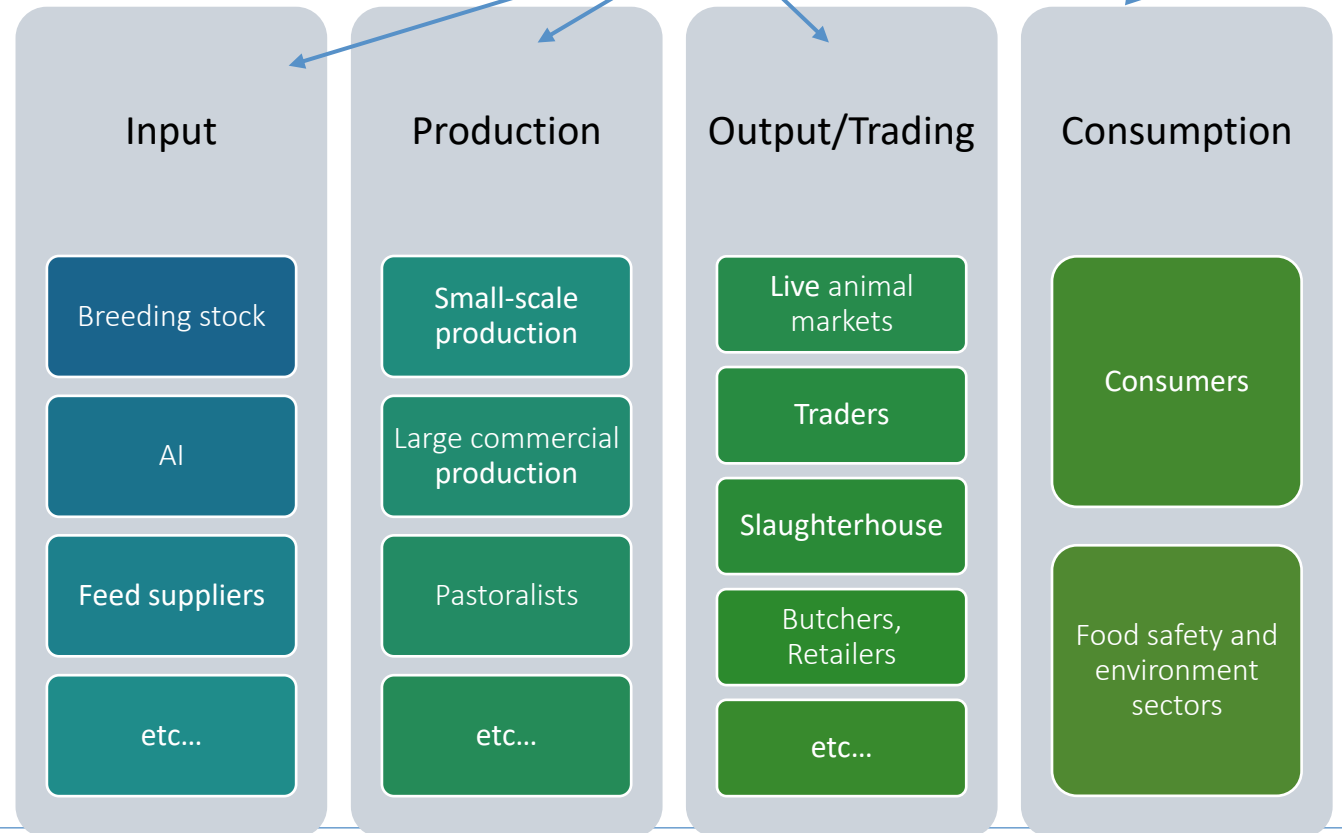


# PMP-TAB is an Umbrella framework

## PMP-TAB:

- Builds on and brings together existing tools and approaches
  - Not disease specific
  - Process, not scoring
  - Framework to make sustainable improvements
    - At value chain level (practices)
- AND
- At public sector/national/local level (policies, capacities)

Biosecurity practices and policies needed!



### Principles guide PMP-TAB approaches and actions

Collaborative, inclusive

Stakeholder led

Consensus building approach

Sustainable

One Health and PPP approaches

Business and economic incentives at each step

Facilitate replicability/uptake

## PMP-TAB: Core Components

**Core components:** consider at every step of improving biosecurity

Knowledge and information

Understanding of the risk situation

Enabling Environment

The broader context within which individuals and organizations function (governance, information exchange etc)

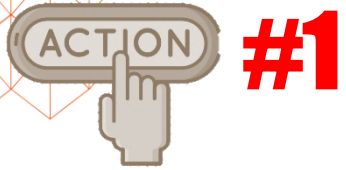
Infrastructure and capacity

Human, physical and financial resources

Practices

Actions and activities that influence biological risks

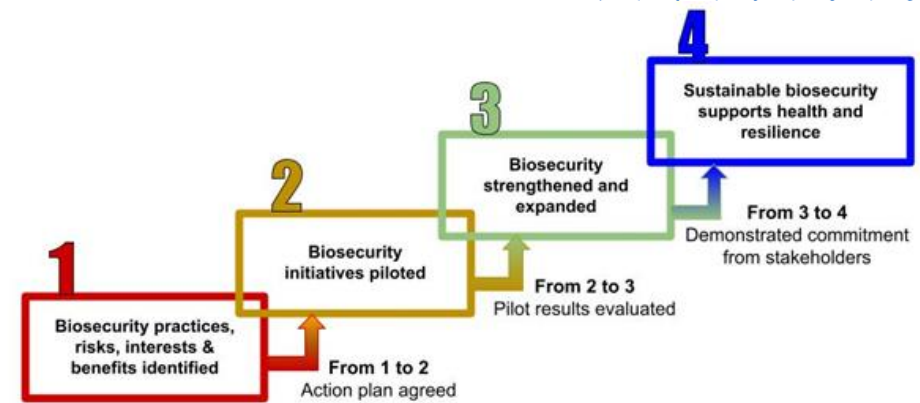
## PMP-B: Actions



### Improving biosecurity along animal value chains

- Characterize biosecurity risks along animal value chains (including wildlife)
- Characterize the policy and legislative framework
- Identify socio-economic incentives that support the adoption of biosecurity practices
- Pilot, document and promote best practices for biosecurity improvement
- facilitate public-private dialogue and collaboration to support the adoption of good practices

Action plan(s) to improve biosecurity at farm/sector/ national levels with defined milestones



### Strengthening national capacities to implement and monitor PMP-B

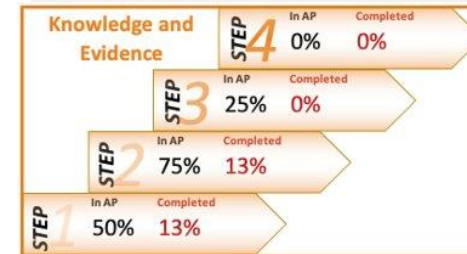
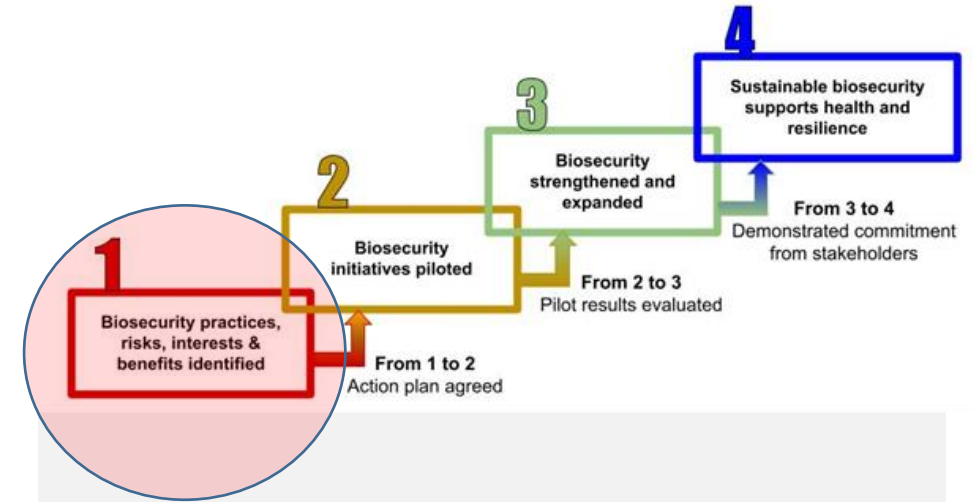
- Strengthened policies and legislation
- Auditing and monitoring capacity
- Integrated surveillance and early warning
- Strengthened health systems (lab, surveillance, emergency preparedness)
- Workforce competency development



# PMP-TAB: Progressive Management Pathway for Terrestrial Animal Biosecurity

## Getting Started with the PMP-TAB

1. Situation assessment and Stakeholder consultation:
  - a. Identify priority sector(s) for biosecurity pilot
  - b. Situation assessment: map stakeholders, compile information and results from past/current activities
  - c. Set up PMP-TAB taskforce with public and private stakeholders
  - d. Develop Action Plan covering 4 areas:
    - Knowledge and evidence
    - Infrastructure and capacity
    - Enabling Environment
    - Practices
  - e. PMP-TAB tracking tool available to support (beta version)





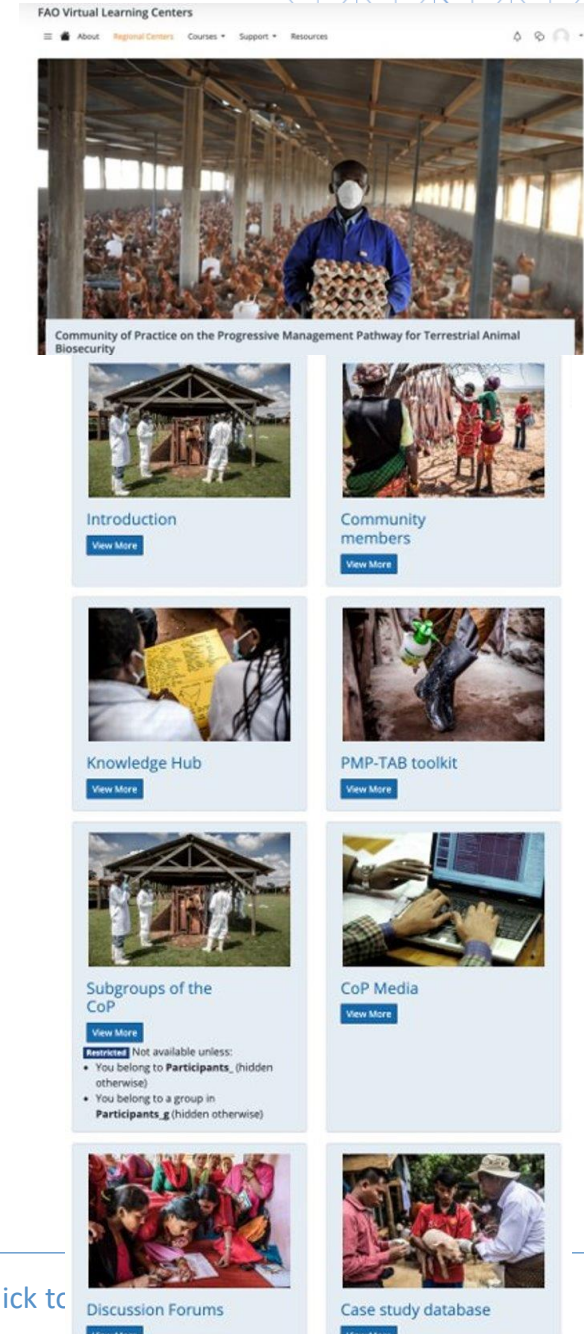
## Community of Practice (CoP) for Terrestrial Animal Biosecurity

- Share and generate knowledge about terrestrial animal biosecurity
- Promote **collaboration** amongst members and experts
- Membership inclusive
- Hosted on FAO's Virtual Learning Center (VLC) Platform
- Include monthly webinars, knowledge repository/toolkit, member-driven activities and outputs

**Join us!**

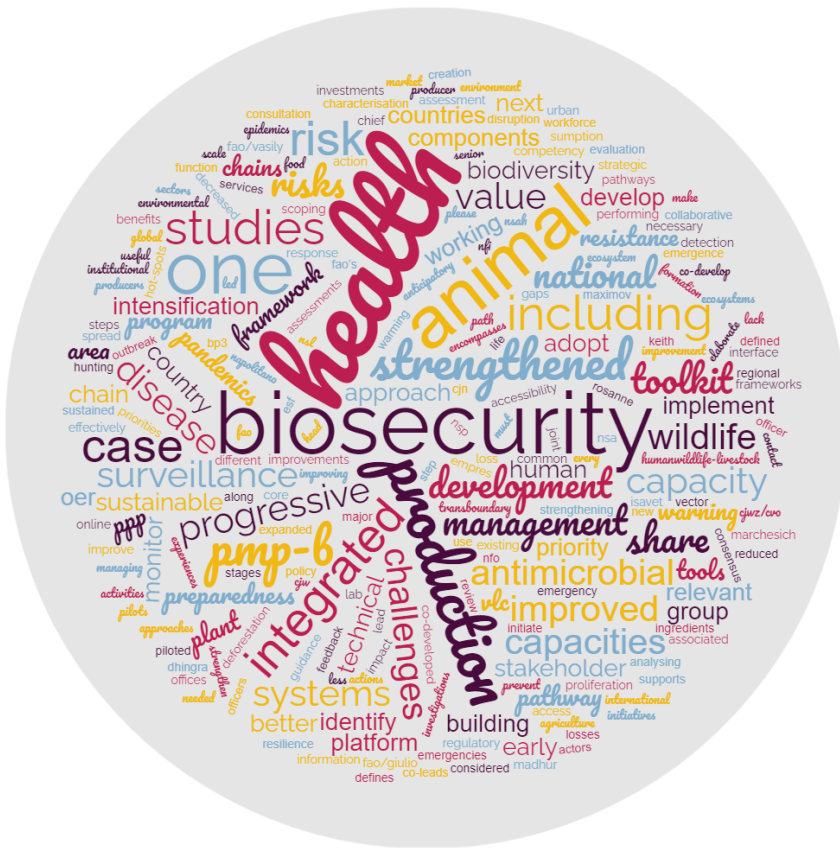
Visit <https://virtual-learning-center.fao.org/mod/page/view.php?id=8724&forceview=1>

or contact us at [PMP-TAB@fao.org](mailto:PMP-TAB@fao.org)



The screenshot displays the FAO Virtual Learning Centers website. At the top, there is a navigation bar with links for 'About', 'Regional Centers', 'Courses', 'Support', and 'Resources'. Below the navigation bar is a large banner image showing a person in a blue uniform and a white face mask standing in a large poultry processing facility. Underneath the banner, the text reads 'Community of Practice on the Progressive Management Pathway for Terrestrial Animal Biosecurity'. The main content area is a grid of eight featured items, each with a small image, a title, and a 'View More' button. The items are: 'Introduction', 'Community members', 'Knowledge Hub', 'PMP-TAB toolkit', 'Subgroups of the CoP', 'CoP Media', 'Discussion Forums', and 'Case study database'. The 'Subgroups of the CoP' item includes a 'Restricted' notice: 'Not available unless: • You belong to Participants\_ (hidden otherwise) • You belong to a group in Participants.g (hidden otherwise)'. The 'Click to' text is partially visible at the bottom right of the screenshot.

## Conclusion



## Sustainable, inclusive, resilient livestock sector

### Health improvements and resilience

- Reduced burden of disease and AMR
- Improved production
- Improved socio-economic benefits in the livestock sector
- Improved One Health outcomes

### Three dimensions of sustainability

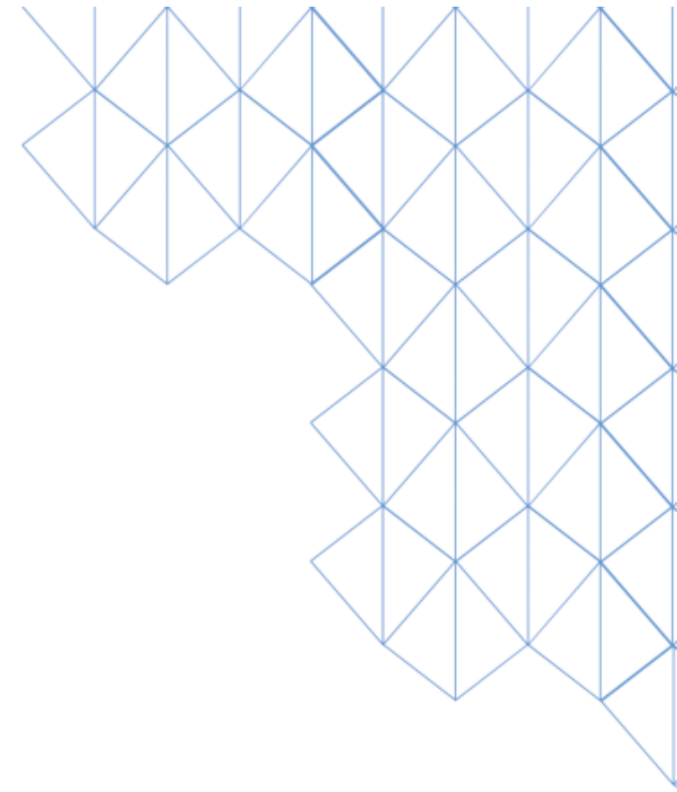
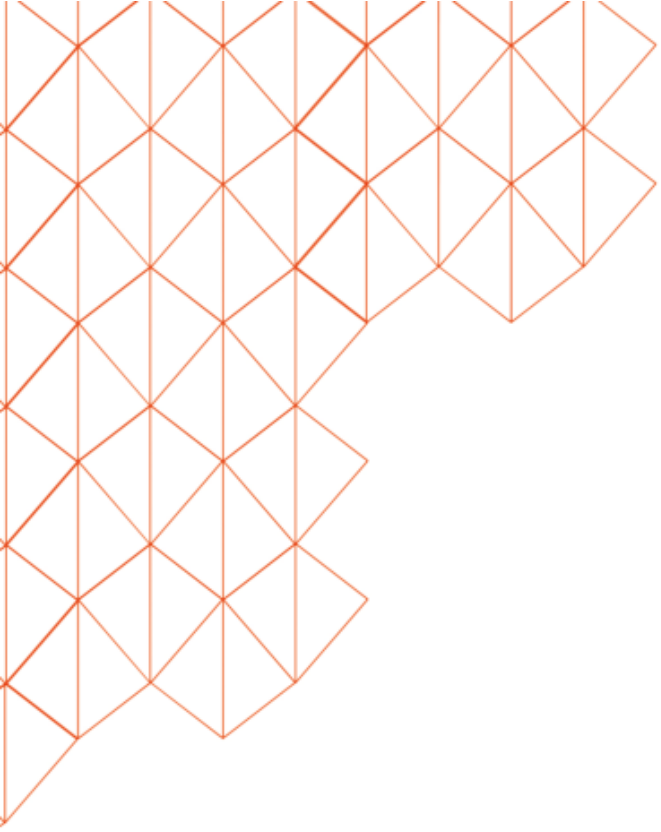
- Economic
- Social
- Environmental

**Remember:** FAO defines biosecurity as a *strategic and integrated* approach that encompasses the policy and regulatory frameworks for *analysing and managing relevant risks to human, animal and plant life and health, and associated risks to the environment*



## Acknowledgements

*PMP-TAB team:* Madhur Dhingra, Aashima Auplish, Ugo Pica Ciamarra, Martin Heilmann, Shija Jacob, Koen Mintiens, Yushan Li, Nina Militzer, Andriy Rozstalnyy, Mirzet Sabirovic, Ismaila Seck, Daniel Toro, Melissa McLaws & FAO PMP-TAB taskforce



**THANK YOU**