

Strategies to Prevent (STOP) Spillover

Impact Brief

Vietnam

Implementing TIP 2: A Comprehensive Approach to Improving Waste Management

Activity 2.2.2.1 to identify at least three different biosafety improvements for value chain actors to test and validate, using trials of improved practices on demonstration farms and social behavior change approaches to disseminate results.

TIP-2: A comprehensive approach to improving waste management, handling, and processing on wildlife farms (priority given to civet and bamboo rat farms).

INTRODUCTION

In Vietnam, the wildlife human interface was prioritized as the interface of focus for the STOP Spillover project. One of the key strategies for preventing the spread of zoonotic diseases from wildlife is to improve biosecurity and waste management practices in captive wildlife facilities. This brief provides information on the Trials of Improved Practices (TIPs) activities implemented in Vietnam to improve biosafety practices at farm level. TIPs are used to test and refine potential interventions on a small scale, prior to broader implementation. TIPs enlist members of the target population to pilot test the practices and recommend modifications. This brief is a follow up on the first brief which focused on TIP 1: improved PPE use on farms. This brief focuses on TIP 2.



TIP 2: Improved waste management, handling, and processing on wildlife farms

Expected Outcomes

Techniques to improve the adoption of biosafety practices are tested and validated at the wildlife farming interface level in Dong Nai.

Baseline study for TIP 2 & 3

- Prior to the implementation of the TIP, the Vietnam country team conducted a baseline study to evaluate the existing knowledge and practices among wildlife farmers regarding biosecurity, disease management, and waste treatment.
- The baseline study was conducted between April 11-14, 2023. At Vinh Cuu, Tan Phu, Dinh Quan district, Dong Nai province.
- Selected respondents included 21 farmers raising sambar deers, porcupines, civets and bamboo rats. The study team also visited 15 Households to assess their wildlife farming facilities.

- Other respondents included two provincial One Health DReaM working group members (OHDs); 2two district Forest Protection Department (FPD) directors and two district OHD members.

TIP 2: Improved waste management, handling and processing in wildlife farms

- Prior to the TIP roll out the team conducted a 3-day training of trainers (TOT) training for various partners at provincial and district level.
- A total of 37 participants 25 of whom were trainees engaged in the program.
- Seven of the trainees were selected as trainers during the roll out training courses at the commune and district level.
- A two day roll out training was conducted in Tan Phu district held between May 24-25, 2023. Participants included representatives from Dong Nai Department of Agriculture and Rural Development, Department of Forest Protection and Department of Animal Husbandry and Veterinary together with officials as One Health workers from the commune Human Health, Veterinary, Forest Protection sectors and representative of wildlife farmers across high-risk communes in 3 districts of Vinh Cuu, Tan Phu and Dinh Quan. In total 37 participants attended the roll-out training of which 25 were trainees.
- TIP 2 pilot activities on waste management were implemented between May 26 – June 3, 2023, in three districts: Tan Phu, Dinh Quan & vinh Cuu.
- 13 civets and bamboo rat farms in three districts were committed to pilot TIP 2 activities.
- After introduction to waste treatment methods to ensure biosafety, 13 civet-farming and one bamboo rat-farming household practiced manure treatment using composting trays with fermented probiotic.



Training of Trainers



Guiding for civet manure treatment using probiotic in Tan Phu district

Next Steps

- Conduct the 1st follow up visit for TIP 2 & 3: June 22-24, 2023.
- Conduct the 2nd follow visit for TIP 2 & 3 (July).
- Documentation of the findings and aspects influencing Social Behavioral Change (SBC): July-August 2023.
- Result dissemination: End of August 2023.



Waste management practice at wildlife farm in Long Thanh district