

Strategies to Prevent (STOP) Spillover

Impact Brief

Vietnam

Implementing TIP 3: Improved healthcare disease control and disease surveillance for farmed wildlife

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-3: Improved biosafety and biosecurity through health care, disease control and disease surveillance for farmed animals.

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 briefs which focused on TIP 1 & 2. This brief focuses on TIP 3.



TIP 3: Improved biosecurity through health care

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 3: Improved biosecurity through health care disease control and disease surveillance in wildlife farms

- TIP 3 was preceded by two-day roll-out training in Vinh Cuu district: May 31- June 1, 2023. The event had a total of 37 participants, including the project team and organizers. Out of these participants, 30 were trainees who actively took part in the training program.
- Between May 26 and June 3, 2023, One Health (OH) officials, including representatives from human health, veterinary, forest rangers, and trained peer educators, visited Tan Phu, Vinh Cuu and Dinh Quan districts. During these visits, the officials focused on educating the households about biosecurity measures, offering consultations on the prevention and treatment of common animal diseases and zoonotic diseases, and demonstrating the management of wildlife health using monitoring books. These books included the addresses of local One Health staff members for future reference.
- 20 civets, bamboo rat, porcupine, and sambar deer farms in the three districts committed to pilot TIP 3 were instructed on biosecurity measures in animal husbandry, health monitoring, disease prevention and treatment.



Providing consultation at wildlife farm in Tan Phu district



Peer educator guided to use PPE and animal health care book in Vinh Cuu district



Sambar deer peer educator discussed about biosecurity and PPE use in Vinh Cuu district

Social media

Peer educators created and shared a video on YouTube, TikTok, and Facebook channels, highlighting the importance of personal protective equipment (PPE) in wildlife farming. Additionally, they organized extensive communication campaigns in Hieu Liem commune, focusing on biosafety measures, animal health care and the use of PPE specifically in raising sambar deer. As a result, some farmers themselves uploaded videos to share the knowledge they had gained from these initiatives.

Next Steps

- 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.



Civet farmer made a video and posted on Tik Tok during the trial