







USAID WILDLIFE TRAPS PROJECT

Reducing Zoonotic/EID Risks from wildlife trade

Wild animals used for meat, medicine and live specimens (pets, medical research)

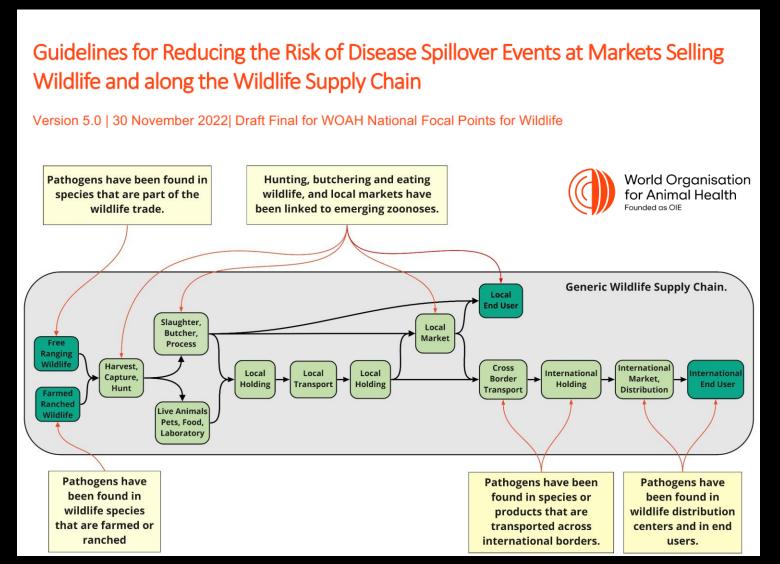
Supply chain lens to map risks: what, where, who, and how to intervene







WILDLIFE TRADE CHAINS – HUMAN-ANIMAL INTERFACES



Source: Dr John Berezowski, in Stephen C., Berezowski, J. et al (OIE/WOAH, 2021)

Analysis of Seizures of CITES-listed species (as live specimens)

CITES TAXA IN GLOBAL TRADE

Association with WHO R&D Blueprint Priority Diseases

- Legal trade (reported)
- Illegal trade (seizures)

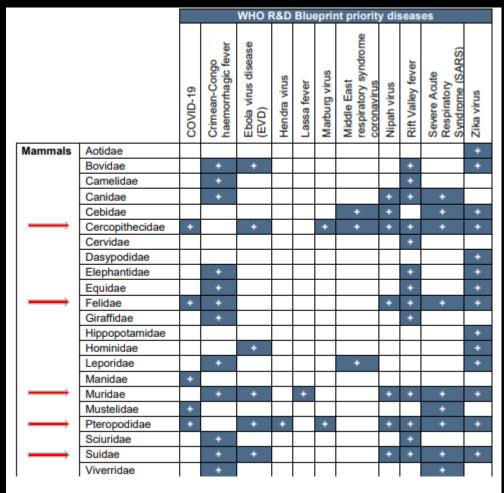
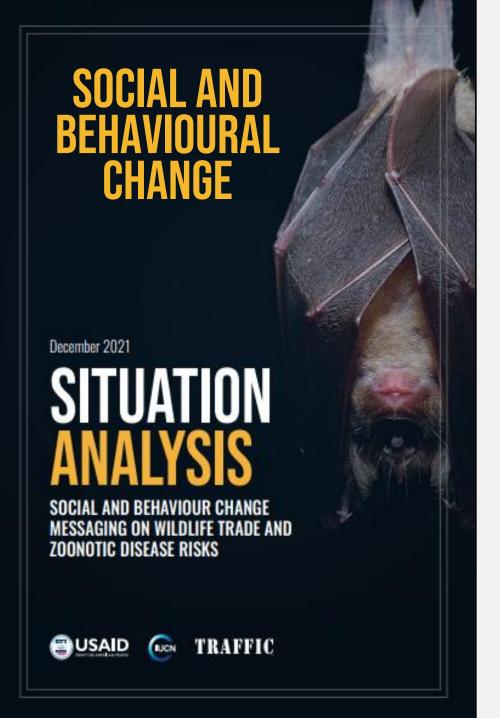




Table 6: Matrix showing the WHO R&D Blueprint priority diseases associated with CITES families found in illegal trade as live animals. Note that associations between taxa and SARS-CoV, MERS-CoV and SARS-CoV-2 in a number of source papers are based on percentage similarities between animal coronaviruses and human SARS-CoV, MERS-CoV and SARS CoV-2 isolates (see methodology).

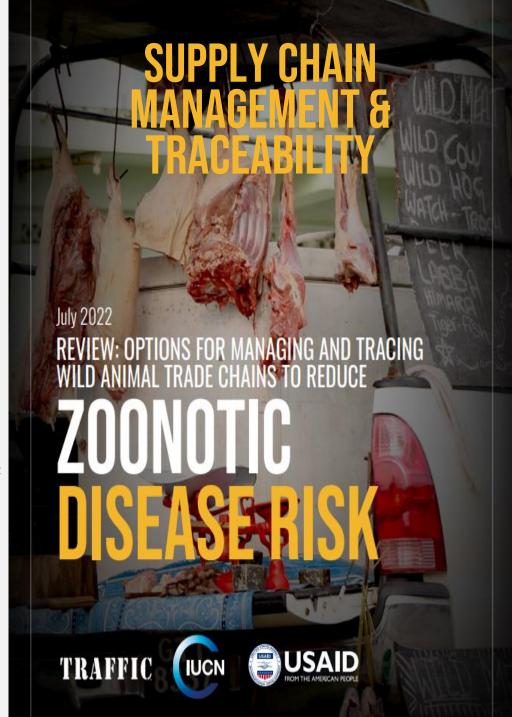


https://www.traffic.org/publicati ons/reports/situation-analysissocial-and-behaviour-changemessaging-on-wildlife-trade-andzoonotic-disease-risks/



https://www.traffic.org/publications/re ports/review-options-for-managing-andtracing-wild-animal-trade-chains-toreduce-zoonotic-risk/





FRANCE'S VENISON TRADE

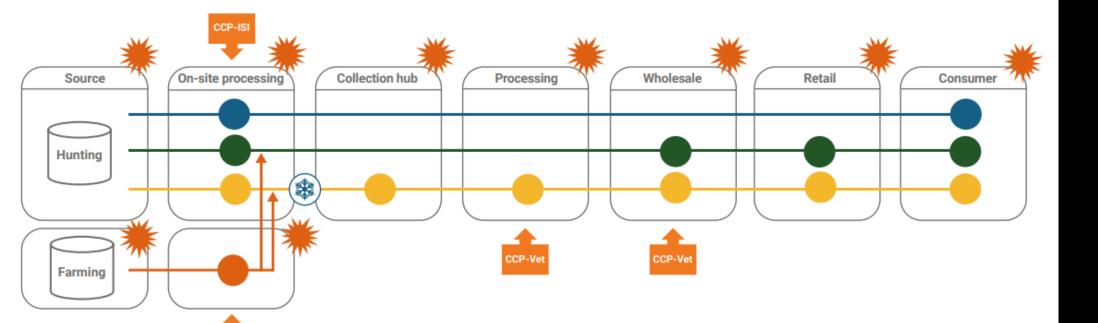
- Mix of wild harvest and farming
- Role of hunting associations in harvest/trade management and implementation of sanitation measures
- Traceability system still paperbased



TAGGING BRACELET AND SPECIMEN FORM REQUIRED FOR HUNTING

Source: Fédération Nationale des Chasseurs, France

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VENISON SUPPLY CHAINS IN FRANCE

- · Evisceration (no skinning)
- Traceability
- · Initial sanitary assessment
- Cold Storage (7°C)
- Certified establishment (EC)
- Certified establishment (EC)
 Skinning and processing
- · Certified establishment (EC)
- Restaurants, butchers, and specialised markets certified to process and sell wild meat

KEY



Indicates a Critical Control Point: On-site initial sanitary inspection



Indicates a Critical Control Point: By a certified veterinarian



Hazard Point



The carcass can be put in cold storage (7°C) on-site in case of delays

The Short-Direct circuit

- Meat sold or consumed within 80 km from the hunting site (à vol d'oiseau)
- It refers to the consumption of game meat by local hunting association during events, donations or direct conferment, and direct sell by the hunting association or other certified body
- The maximum quantity is the same as the total number of hunted animals during the hunting session (i.e., a day).

The Short-Professional circuit

- Only one intermediary between the initial provider and the consumer.
- The intermediary has to be located less than 80 km from the hunting location in a straight line (à vol d'oiseau). It also needs to be certified to process (i.e., skin and cut) and sale wild meat. Usually butchers, charcutier, specialised supermarkets, among others.
- The maximum quantity is the same as the total number of hunted animals during the hunting session (i.e., a day).

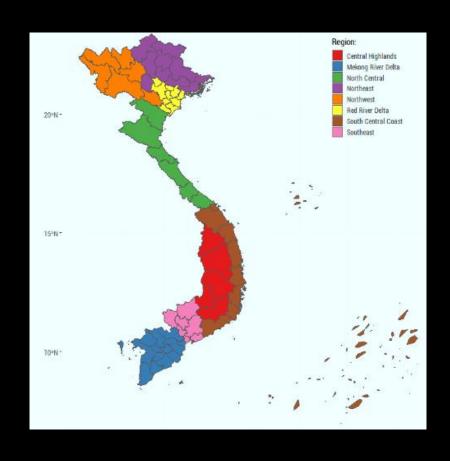
The Long circuit

- Several intermediaries between the initial provider and the consumer.
- · No distance or quantity limitations
- The intermediaries are certified to process (i.e., skin and cut) and sale wild meat. Usually regional abattoirs and food processing plants.

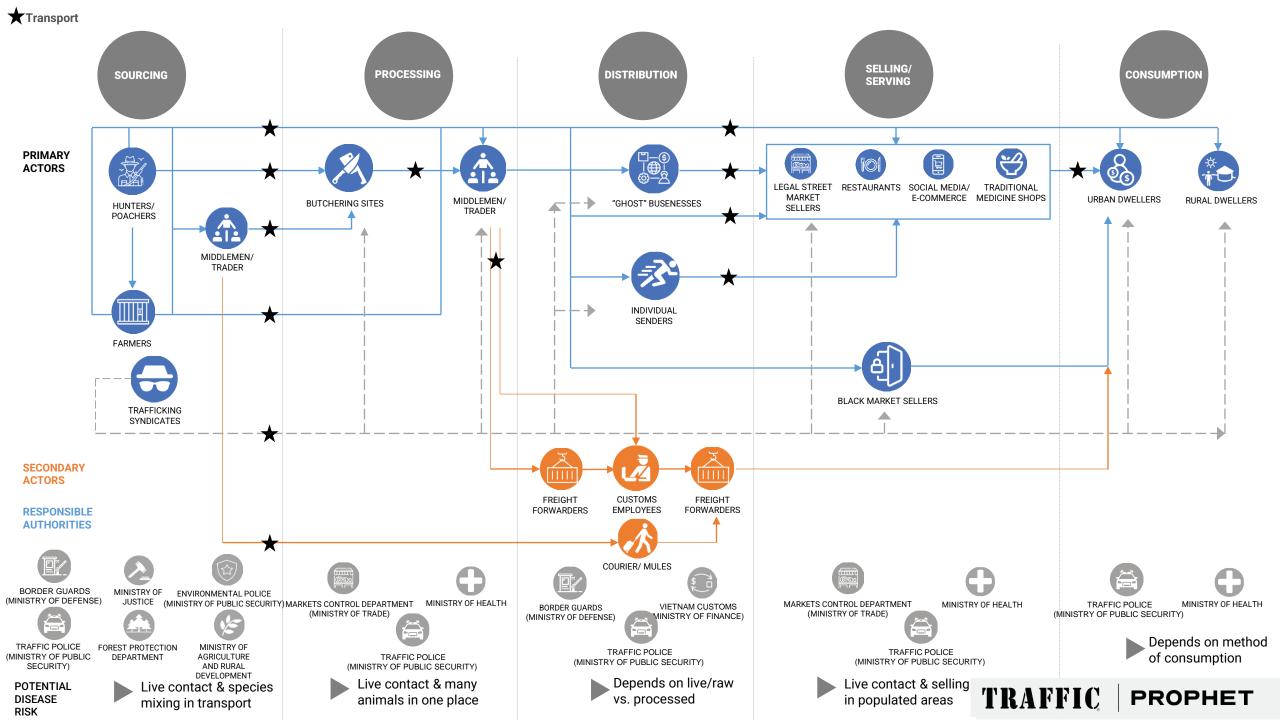
EXPERT ELICITATION TO MAP POTENTIAL RISK POINTS IN VIET NAM WILD ANIMAL TRADE CHAINS

USE OF WILD ANIMALS FOR PERCEIVED HEALTH BENEFITS:

FOOD, INFORMAL TONICS, FORMAL TRADITIONAL MEDICINE PREPARATIONS



TRAFFIC PROPHET



SUMMARY OF POTENTIAL INTERVENTION OPPORTUNITIES IN VIET NAM

SOURCING	PROCESSING	DISTRIBUTION	SELLING / SERVING	CONSUMPTION	ONLINE AWARENESS
 Suspend high-risk live wild animal trade until effective regulations and risk assessments are in place Improve biosecurity practices for legal wildlife farms Clearly define criteria for species that can be legally farmed Provide alternative livelihoods or compensation for stakeholders whose work is unsafe 	 5 Enforce stricter laws & penalties to regulate transport routes 6. Define and monitor processing / butchering sites and basic standards of hygiene to reduce risk and change processing practices 7. Inform consumers of potential product risks if processing is unmanaged 	8. Updated wildlife trade intelligence and regular training for officers 9. Greater cooperation between relevant government authorities and private sector / civil society organizations	 10 Focus efforts on monitoring & informing market sellers and management of market locations (e.g., separate sections within a physical market) 11. Strictly enforce laws and prosecute illegal retail sellers 12. Shift / reform slaughtering and processing practices (including with restaurants) and improve legal supply chain compliance 	 13. Engage responsible government agencies to build cross-sectoral understanding of wildlife trade risk management 14. Promote alternative consumption options for wild animal products 15. Educate young people & tailor wildlife education for urban vs. rural 	 16. Create targeted social media messaging campaigns 17. Partner with credible KOLs to amplify reach 18. Optimize wildlife content and keywords in search engines

MULTI-SECTORAL COLLABORATIONS

At national level e.g., in Viet Nam

- Pandemic Prevention Task Force (IGOs, NGOs, bilateral missions)
- One Health Partnership (Government, inter-ministerial)
- Technical Working Group on Wildlife and Pandemic Prevention (Government and non-government partners)



CONCLUSIONS

(Policy and Regulation)

Farms

Transportation

Markets

Reducing Zoonotic Disease Risks in Wildlife Trade

<u>Understanding of risk-based priorities</u>

- Taxa including mixing of species and trade magnitude, as well as type of specimen (live, raw meat/body parts, processed)
- Pathogens present, and association with different taxa (wild/domestic)
- Human behaviour practices at human-animal interfaces
- Context socio-political, economic, cultural, ecological, governance

Multi-sectoral action (including One Health collaboration)

- Incorporating wildlife trade management needs as part of One Health collaborative approaches
- Integrating One Health and zoonotic disease risk into existing wildlife trade management systems
 - e.g., > biosecurity requirements for farms + markets
- Reinforcing compliance with legal and sustainability requirements
- Concurrent intelligence-led LE support for reduction in illicit practices
- Social and behavioural change (SBC) messaging to support positive shifts

Thank You

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