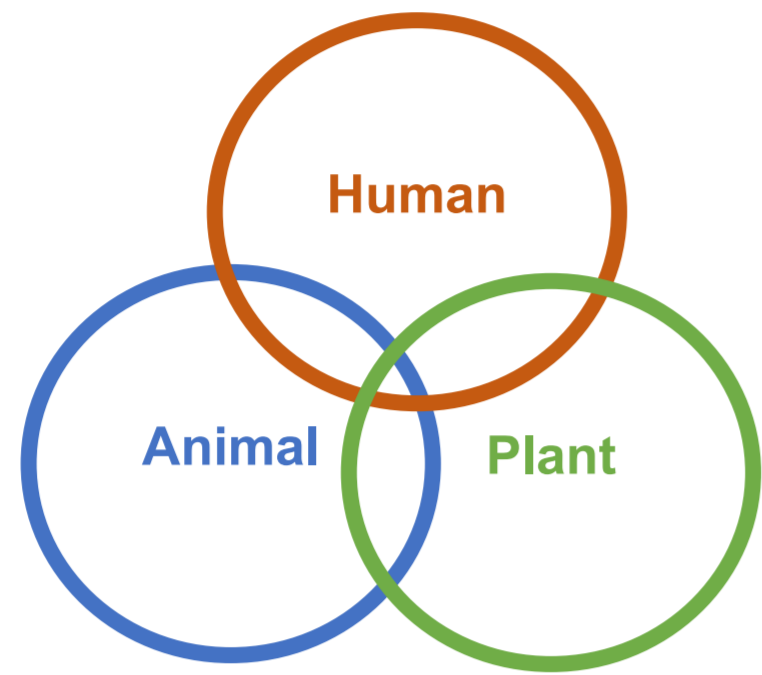


# VECT-OH INITIATIVE : Greening cities and vector-borne diseases risk

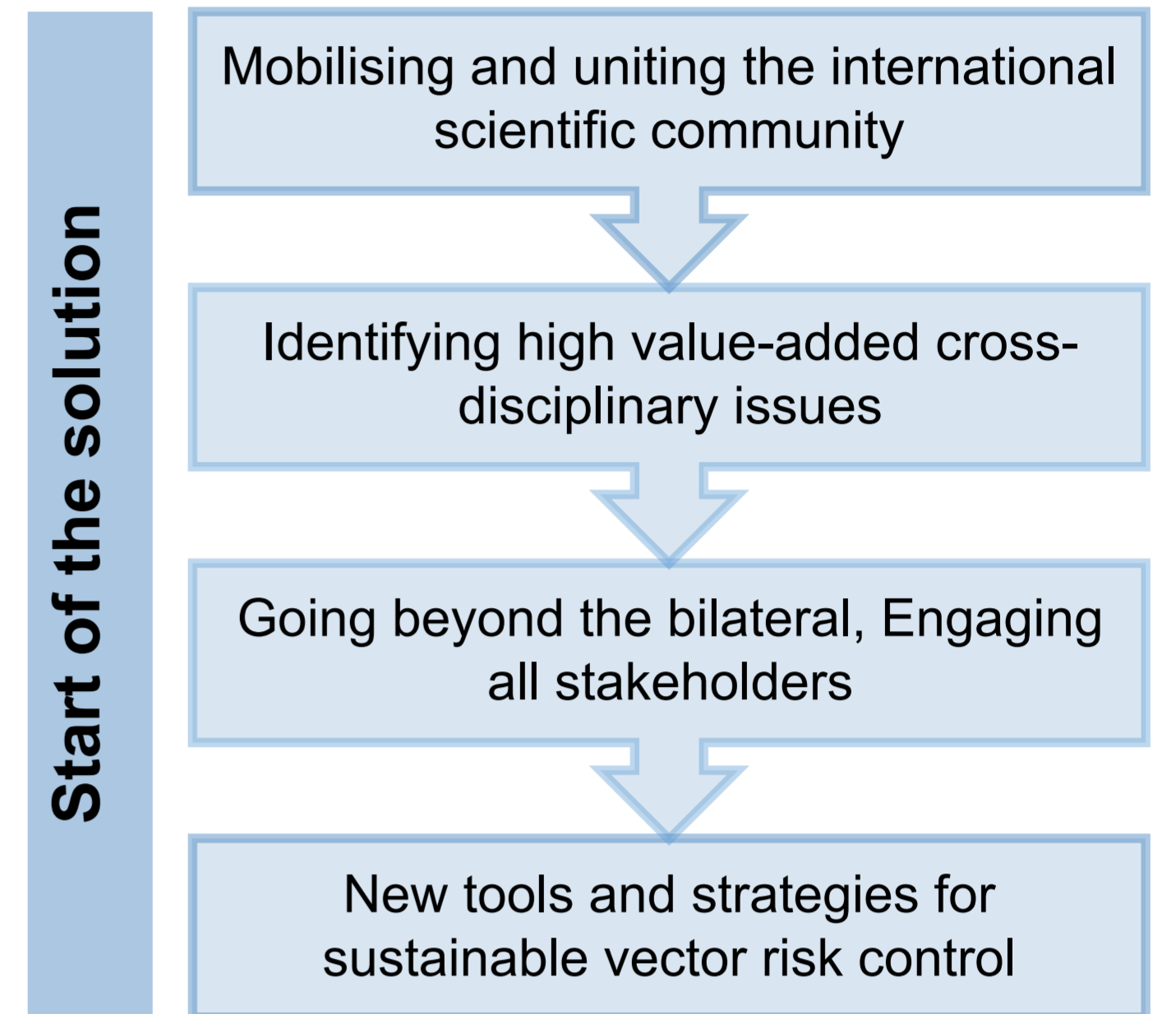
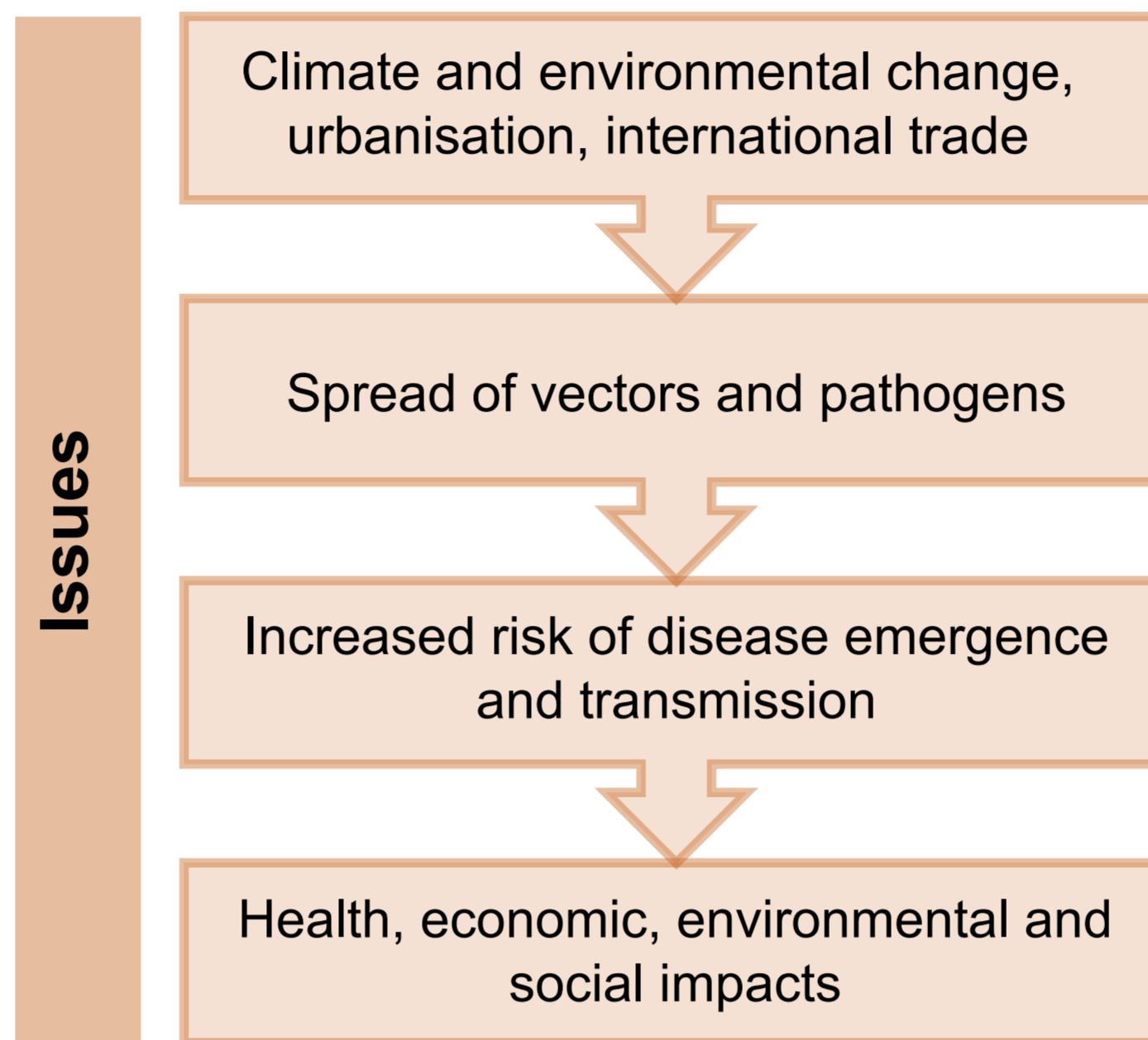
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## Initiative

Global Alliance for Sustainable Vector Risk Mitigation in a One Health Approach



Targeted approach within the UM's partners universities



## Focus

Greening cities and vector-borne diseases risk

### A Nature-based solution

- ✓ Improve human well being and health
- ✓ Cope with climate change challenge
- ✓ Promote urban biodiversity



How greening cities impact the risk of vector-borne diseases ?

## Activities

Towards a better understanding of the impact of urban vegetation on vector risk



Field data acquisition



Scientific animation

**V2MOC Project:**  
Greening cities of Occitanie and its possible impact on vector risk



**WP1:** Territorial diagnosis of vectorial risk



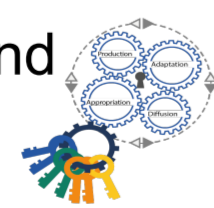
- Assess the possible impacts of greening cities on the production of risks related to the emergence of vector-borne diseases

**WP2:** Vector risk modelling



- Discuss solutions to prevent these risks by considering greening cities as essential

**WP3:** Surveillance and control strategy



Online meeting

- Brainstorming
- Identification of gaps and opportunity
- Project proposal
- Information dissemination
- Field activities for protocol standardization



Annual Workshop

Montpellier



Existing data analysis

**Greater Los Angeles County Vector Control District Data**

- Assess the robustness of the data, indicators and trends
- Determine minimal sampling effort (type and number of traps, frequency)
- Establish standard protocol

### Local initiatives

**Longitudinal monitoring of mosquito population during greening process**

- Evaluate the impact of greening on *Aedes albopictus* populations

**RESTALBOC**

- Identify resting sites of *Aedes albopictus*



Publications

"Green cities and vector-borne diseases: emerging concerns and opportunities."  
Fournet, F., Simard, F., and Fontenille D. *Eurosurveillance* 29.10 (2024).

"Greening cities and the risk of vector borne diseases, a scoping review".  
Mercat M. and Bartholomee C. et al. *in progress*



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