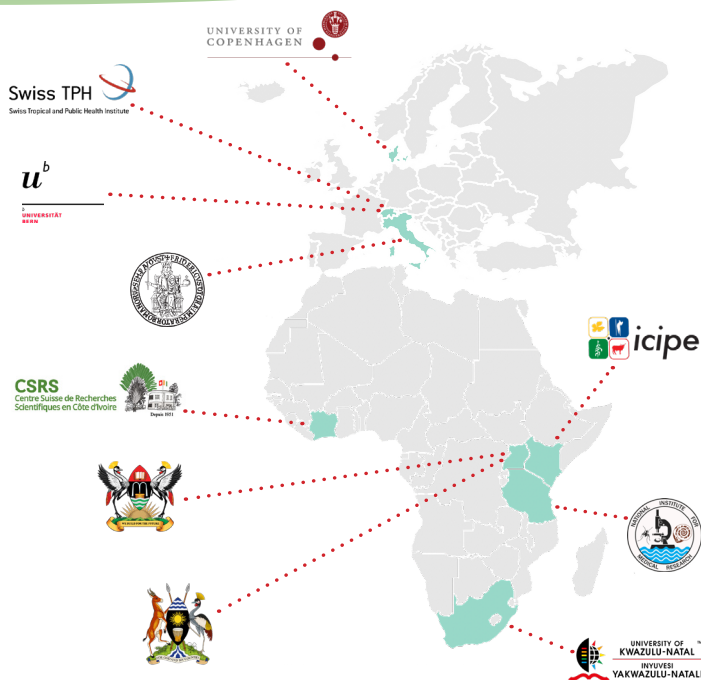











Partners



	UNIVERSITY OF COPENHAGEN	
	THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY	
	MAKERERE UNIVERSITY	
	THE SWISS TROPICAL AND PUBLIC HEALTH INSTITUTE	
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	CENTRE SUISSE DE RECHERCHES SCIENTIFIQUES EN CÔTE D'IVOIRE	
	VECTOR CONTROL DIVISION MINISTRY OF HEALTH	

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PREPARE4
VBD

PREPARE4
VBD

**A Cross-Disciplinary Alliance
to Identify, PREdict and prePARE for Emerging
Vector-Borne Diseases**

Coordinating Institution: University of Copenhagen

Beneficiaries from:

Denmark, Kenya, Switzerland, South Africa, Italy, Tanzania, Cote D'Ivoire and Uganda.

Budget: € 6.048.271,25

Duration: 1 September 2021 - 31 August 2025



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101000365

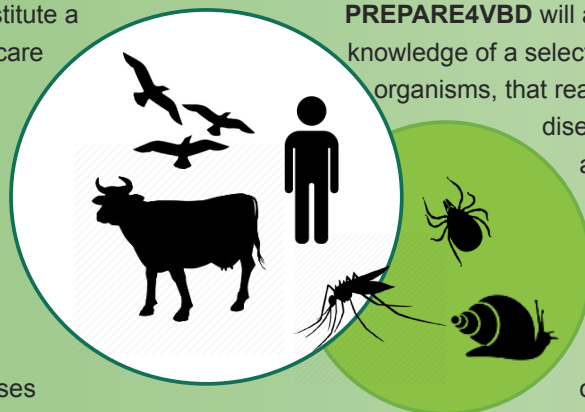
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About PREPARE4VBD

Vector-borne diseases (VBDs) constitute a major challenge facing African healthcare systems and economies today. However, VBDs also increasingly pose a threat to currently non-endemic areas, and outbreaks of zoonotic VBDs and increased spread of vectors is anticipated to occur more frequently in the future.

The PREPARE4VBD project addresses these challenges as a multidisciplinary consortium that brings together ten university and ministerial partners from five African and three European countries.

Our overall aim is to improve preparedness in Africa and Europe for a new Era of emerging zoonotic vector-borne diseases under climate change and globalization.



PREPARE4VBD will advance a broad, conceptual knowledge of a selected number of VBDs and vector organisms, that reaches beyond specific vector-borne diseases, organisms or disciplines, using an approach that is:

» **pro-active**, rather than re-active – seeking to prevent and control zoonotic **tick-, mosquito and snail-borne** diseases at the early phases of emergence and outbreak.

» **cross-organismal**, “casting the net wide” to address a diverse range of zoonotic vector-borne diseases and enable cross-organismal learning and integrated and synergistic approaches to vector-borne surveillance, prevention and control.



PREPARE4VBD framework and work packages

The project is organized in a series of structural and research Work Packages (see figure to the right). Adopting a holistic, One Health approach, collectively these WPs will:

- A. build knowledge of neglected tick-, mosquito- and snailborne VBDs** of importance for animal and human health in endemic African countries
- B. assess their capacity to adapt and spread** to new areas using a holo-genomics approach and climate change impact modelling
- C. develop novel diagnostic tools** and model-based surveillance for rapid VBD discoveries and early warning
- D. strengthen the capacity for detection and surveillance** of the targeted VBDs through training and effective communication of project results and dissemination of freely available data

