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BCOMING

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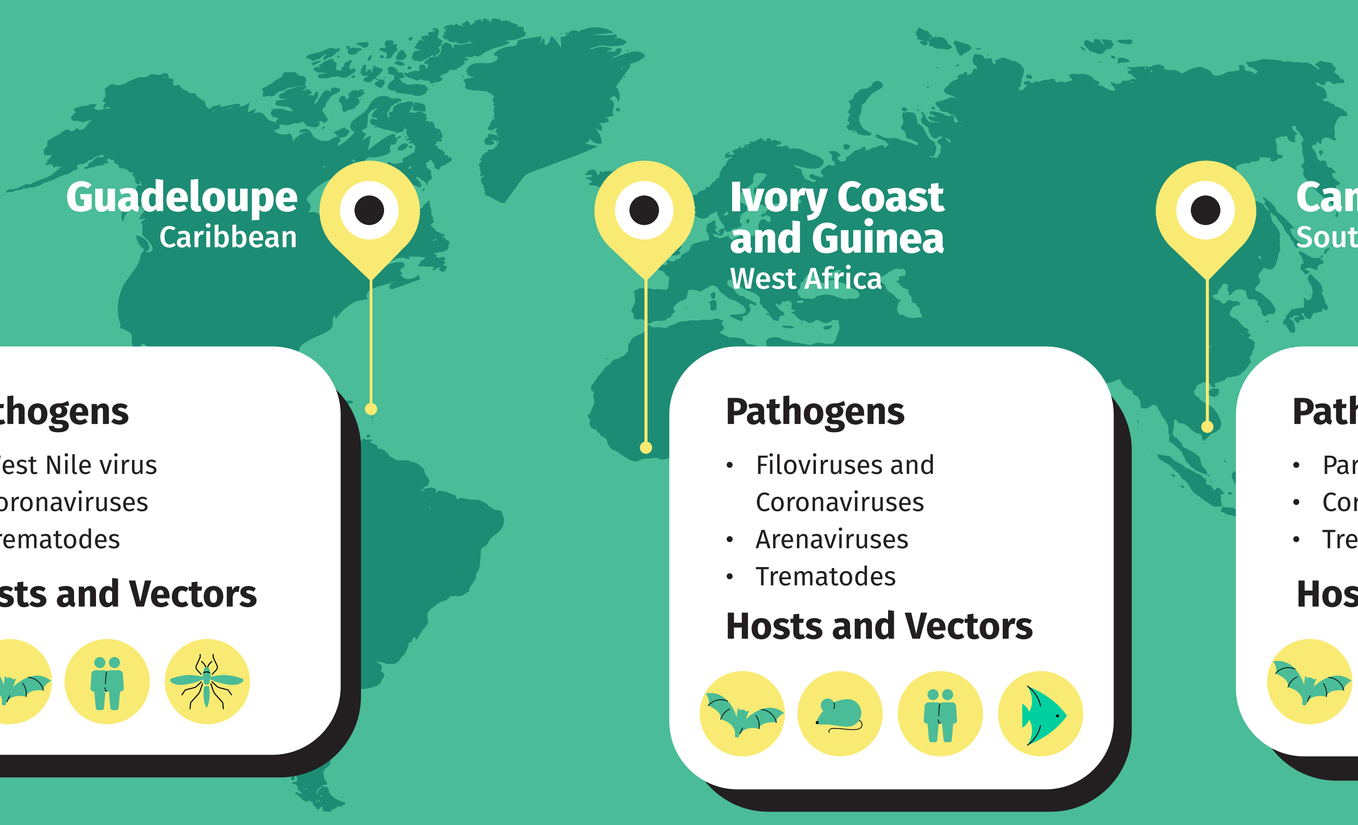
Innovating to protect biodiversity and prevent future pandemics



Guadeloupe
Caribbean

Pathogens
- West Nile virus
- Coronaviruses
- Trematodes

Hosts and Vectors

Ivory Coast and Guinea
West Africa

Pathogens
- Filoviruses and Coronaviruses
- Arenaviruses
- Trematodes

Hosts and Vectors

Cambodia
South-East Asia

Pathogens
- Paramyxoviruses
- Coronaviruses
- Trematodes

Hosts and Vectors

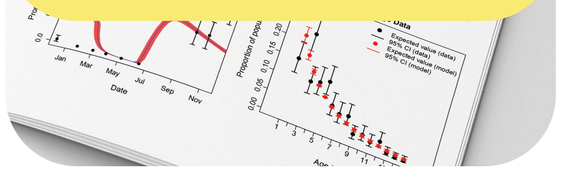
METHODOLOGY

1 Data Collection

Collecting information over a gradient of anthropization about:
- Zoonotic pathogens circulation
- Biodiversity & ecosystem services
- Environmental factors
- Socio-economic factors

2 Data Analysis

- Develop standardized tools for pathogen detection and models for understanding pathogens circulation patterns.
- Produce new knowledge and risk assessment tools.



3 Participatory Workshops

- Engage relevant stakeholders for co-creating solutions and ensuring tool and knowledge transfer.

Integrative agent based models

Integration of data and knowledge to support the co-construction of conservation strategies and disease surveillance systems.

Biodiversity conservation strategies:

- Design innovative conservation strategies.
- **Aim to increase biodiversity.**

Cost-effective zoonotic disease surveillance systems:

- Develop community-based surveillance systems.
- **Aim to reduce zoonotic disease risk sustainably.**

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