



# Caribbean centre of research and surveillance for animal and zoonotic infectious diseases

A regional scientific platform  
at the service of veterinary public health

The Caribbean centre of research and surveillance for animal and zoonotic infectious diseases is lead by Cirad in Guadeloupe. It is home to a multidisciplinary team and high-tech laboratories to benefit the sanitary security of territories. It is the seat of CaribVET, the Caribbean Animal Health Network.

# Multidisciplinary Research

**Understand** the dynamics of diseases and their vectors

**Surveillance** of disease and **anticipation** of sanitary risks

**Develop** appropriate control strategies

Health  
Economic  
Surveillance  
Microbiology  
Entomology  
Modeling  
Epidemiology  
Bioinformatics



## Expertise shared

to strengthen the skills of partners

**Workshops on diagnostics**, quality assurance and epidemiology

**Simulation exercises** at the regional level (shipment of suspect samples, simulation of disease outbreak)

**Project coordination** of animal health in the Caribbean

## The principal diseases studied



**Vector-borne diseases transmitted by ticks:**

Heartwater, Babesiosis, Anaplasmosis



**Vector-borne diseases transmitted by mosquitoes:**

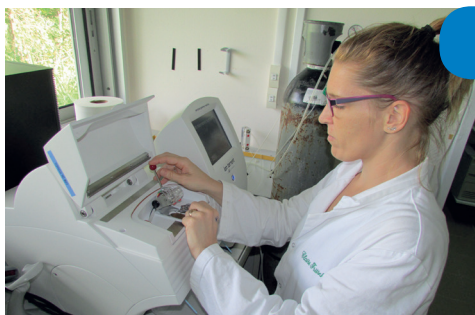
Fièvre West Nile et autres arboviroses



**Emerging non-vector borne diseases:**

Avian and Swine Influenza, Newcastle disease, Porcine Epidemic Diarrhea

## High-tech Laboratories



### Biology Platforms:

Molecular and Cellular Biology,  
Immunology



### A High Security Laboratory

for the manipulation of pathogenic  
agents in tissues, insects or animals

## Diagnostic activities

on animal and zoonotic infections

The Caribbean centre of research and surveillance for animal and zoonotic diseases is:

- **Regional diagnostic laboratory** for the Caribbean, including suspect cases of avian and swine influenza
- **International reference laboratory** for **heartwater** for the World Organisation for Animal Health (OIE)
- OIE **Collaborator centre** for the **diagnostic, epidemiology** and the **control** of animal diseases in tropical regions

*The laboratory  
is accredited  
ISO 17025  
compliant  
by Cofrac*

Leading research  
**on innovative products**

[diagnostics, vaccines, predictive models,  
operational health networks, tools to support decision making]

**to anticipate, detect  
and control diseases**



# A world open platform

The Caribbean centre of research and surveillance for animal diseases and zoonoses welcomes partners from the Caribbean, Europe, Africa and America.



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