

## CIRAD, EMVT Department

### CIRAD

- French Agricultural Research Centre for International Development
- 3 missions:
  - Research
  - Development
  - Training
- 7 departments: CA, CP, Forest, FHLOR, TERA, AMIS, EMVT



### EMVT

- Animal Production and Veterinary Medicine Department
- 3 fields of activity:
  - Animal health
  - Animal productions
  - Ecosystems management



## CIRAD, EMVT Department in Guadeloupe

### Infrastructures and staff

- Research unit "Control of exotic and emerging animal diseases" + "Epidemiology"
- Staff
  - ✓ 4 researchers: *Thierry Lefrançois, Sophie Molla, Nathalie Vachiéry*
  - ✓ 4 lab technicians: *Yane Kandassamy, Valérie Pinarello*
  - ✓ 2 animal technicians: *Ken Giraud-Girard*
  - ✓ 1 secretary: *Yolaine Vincent*
  - ✓ 2 to 4 students a year (Vet, Master, PhD): *Isabel Marcelino*
- Laboratory
  - ✓ cellular biology (L2 security), molecular biology, serology, parasitology, immunology
  - ✓ Platform for biotechnology: real time PCR, micro-array, FACS...
- Animal house (100 goats, rabbits) + surgery



## CIRAD, EMVT Department in Guadeloupe

### Activities

- Research on tick & tick-borne diseases
  - ✓ OIE reference lab for heartwater
  - ✓ vector biology, diagnostic, genomics, immunology, vaccine development
- Animal health network (CaribVET)
  - ✓ scientific and technical support (CAP, CSF, WN)
  - ✓ information dissemination (website)
  - ✓ training
- Animal health in French Antilles
  - ✓ tick control
  - ✓ diagnostic
  - ✓ epidemiosurveillance



## West Nile virus surveillance and diagnostic in the Caribbean

- FCR Regional cooperation funds (Guadeloupe region):
  - ✓ *West Nile virus surveillance and diagnostic in the Caribbean*
  - ✓ 2005
- FSP Priority solidarity funds:
  - ✓ Support for regionalization and harmonization of animal disease surveillance: support for CaribVET
  - ✓ 2005-2007

## Regional network on West Nile virus surveillance and diagnostic

- Specific network within CaribVET, the Caribbean network of animal health.



## Participants to the workshop

Name	Organisation	Country
R Watson	Veterinary Services Laboratory	Barbados
B Begg	Veterinary Services Laboratory	Barbados
Kirk Douglas	University of the West Indies	Barbados
Paulino Santos	Instituto de Medicina Veterinaria (IMV)	Cuba
Maritza Pupo Antunez	Instituto de Medicina Tropical Pedro Kouri (IPK)	Cuba
Reginald Thomas	CVO	Dominica
Paul Ricketts	Hospital	Dominica
Elena Angeles	Laboratorio Veterinario Central (LAVECEN)	Dominican republic
Jocelyn Quirico	Laboratorio Veterinario Central (LAVECEN)	Dominican republic
Pascal Hendricks	Ministry of Foreign Affairs, FSP	Dominican republic
Martial Petitclerc	CVO	Guadeloupe
Aurélie Brioude	Veterinary services	Guadeloupe
Cécile Herrmann Storek	Hospital (CHU)	Guadeloupe
Jean-Marie Perez	Hospital (CHU)	Guadeloupe
Siméon Phanord	Direction de Protection Sanitaire	Haiti
Marie Gabrielle Lafortune	Laboratoire Vétérinaire Central de Tamarinier	Haiti
Wintorph Marsden	Veterinary Services Division	Jamaica
Loïc Gouyet	Veterinary services	Martinique
Kozo Uda	Veterinary laboratory	St Lucia
Nadin Thompson	University of the West Indies	Trinidad

## *Objectives of the project*

- ✓ Provide WNV diagnostic in the Caribbean
- ✓ Define the WNV status of the Caribbean countries
- ✓ Include West Nile virus surveillance in the animal health surveillance network of the Caribbean
- ✓ Study risk factors and perform risk assessment in the Caribbean

## *Objectives of the workshop*

- ✓ Describe and evaluate the WNV surveillance systems in the different countries
- ✓ Discuss serosurvey results in the different countries
- ✓ Increase our understanding of WNV epidemiology in the Neotropics
- ✓ Perform a technology transfer of WNV diagnostic
- ✓ Improve collaboration (CaribVET network) and information dissemination on WNV in the Caribbean (CaribVET website)
- ✓ Provide recommendations for future WNV surveillance