



What's about French Caribbean ?

NAME: Didier C. BERNARD LaRgE University of Antilles Guyane
COUNTRY: GUADELOUPE MARTINIQUE FWI



Guadeloupe :

GUADELOUPE , KARUKERA

Population : 421 000

Area : 1630 km²

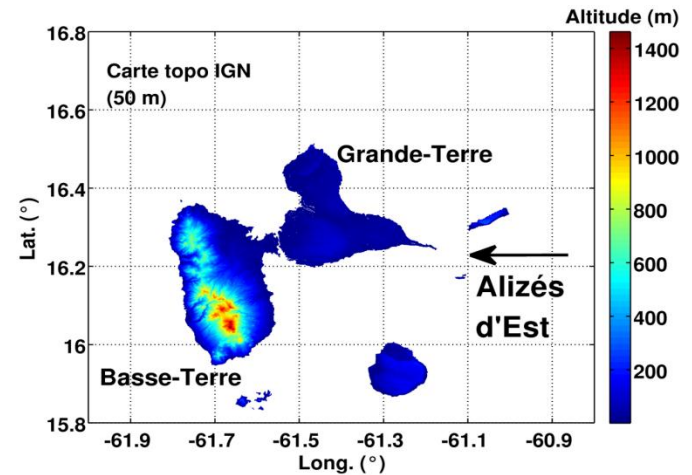
X 2 Regional scientific organizations

Meteo-France : Meteorological office
Operational forecast, Downscaling,

LARGE: Research Laboratory

University of Antilles and Guiana

Tsunamis, Models(WRF,), Aerosols,



CLIMATE DATA COLLECTED

Weather stations :

- **Main network : Meteo-france**
- **Others : Research institution, Agricultural sector, Association,.....**

Time period

Before 1950, Archives, documents should be digitized,

Since 1950, Data are stored but diffusion is still limited .

Variables

All parameters + rainfall(6 min) + Radar (x2) + Sodar + Lidar (Aerosol)

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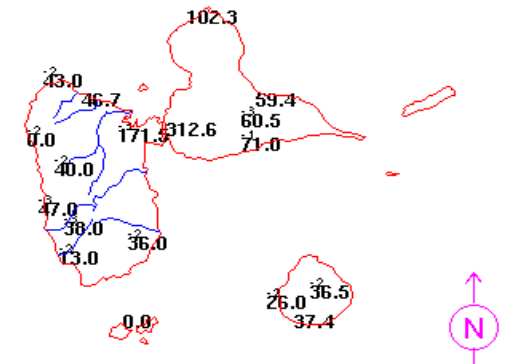


Figure 1 : Real-time data Rain gauges provided by the network

1- Main Goals

- Take into account mean local effects of the large scale forcing
- Adapt the seasonal forecasting information to the relevant scale for the user (at least to get better resolution generally needed both in space and time)

2- Challenges encountered

- Take into account physical processes at the « local » scales.
- Bring more than a simple linear interpolation.
- Data rescue for climate change .
- Software

ANY ADDITIONAL INFORMATION

THANK YOU