

ReNovRisk-Cyclones

“The organisation of the ReNovRisk-Cyclones experimental campaign in Maputo, Mozambique, has been a huge opportunity for our agents, who had never had the chance to carry out atmospheric radiosonde observations before.”

Francisco Nostado, project partner



DESCRIPTION

With climate change warming our oceans, researchers expect the number of intense tropical cyclones, like the 2016 Cyclone Fantala, to increase. As such, the ReNovRisk-Cyclones project was formed to assess the impact of climate change on cyclones – in order to improve existing cyclone forecasting and observation tools in the South-West Indian Ocean.

Led by the University of Réunion in partnership with Meteo France, the French National Centre for Scientific Research (CNRS) and meteorological and university institutions in Madagascar, Seychelles, Mauritius and Mozambique, the project is developing models to estimate the impact of cyclones on rainfall, wind and sea swell and has carried out unique climate simulations in the South-West Indian Ocean basin. These will be used to sharpen our understanding of how cyclones and their effects might change in the future. The project has also made possible the training of staff, students and a new generation of researchers in the fields of climatology, cyclone forecasting and experimental meteorology.

GEOGRAPHICAL COVERAGE

Réunion (France), Mayotte (France), Madagascar, Mauritius, Seychelles and Mozambique.

PROGRAMME

Interreg Indian Ocean

TOTAL BUDGET

€ 1,444,760.00

EU FUNDING

€ 1,228,046.00

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