



Building resilience in the Indian Ocean

2020-2021

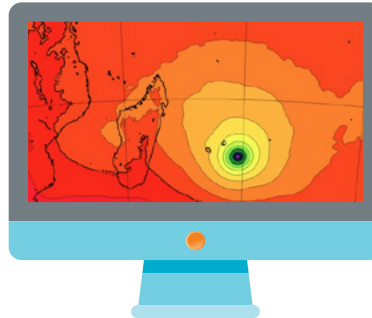
#BRIO #CLIMATESIMULATION #CLIMATECHANGE #INDIANOCEANIA

ALADIN THE GENIE OF WEATHER

ALADIN-Climat is the new meteorological tool for the Indian Ocean.

TEN TIMES MORE ACCURATE THAN GLOBAL MODELS

10+



ALADIN-Climat is a model capable of offering climate simulations with a resolution of 12 km. It can simulate the intensity of tropical cyclones obtaining results that are very close to reality.

The capacity to quantify the uncertainties related to climate change is becoming increasingly important against the incumbent climate challenges (sea level rise, droughts, floods, cyclones, food security, etc.).

The ALADIN model produces the first and only high-resolution climate simulations for the countries of the region.

Read more

THE INDIAN OCEAN A VULNERABLE REGION

NATURAL CATASTROPHES FLOODS, TROPICAL CYCLONES



3

3RD MOST AFFECTED REGION IN THE WORLD BY NATURAL CATASTROPHES



17

17 BILLION DOLLARS IN DESTRUCTION LOSSES BECAUSE OF CLIMATE DISASTERS OVER THE LAST 30 YEARS



COMOROS 5.7 M\$



MADAGASCAR 100 M\$



MAURITIUS 110 M\$



SEYCHELLES 2.8 M\$

8 MOST AFFECTED SECTORS



AGRICULTURE



PUBLIC HEALTH



ÉNERGY



LAND SECTOR



WATER



TOURISM



FISHING



COASTAL AREAS

M\$: Annual losses million dollars

Our islands, our future

The BRIO project, using the ALADIN model, aims to develop high-resolution climate simulations that will describe the region's climate from now until 2100.

Specific data for the production of dedicated climate services will be available to users from climate-sensitive sectors (water, housing, health, energy, agriculture, fishing, tourism) on the website: www.regionalclimate-change.sc

Building tomorrow together

The Indian Ocean Commission (COI) is the only African regional organisation composed entirely of islands. The BRIO project (Building Resilience in the Indian Ocean) is implemented by Météo France and the COI, with the support of the French Development Agency (AFD) Adapt'Action facility.

Brrio@coi-ioc.org | www.commissionoceanindien.org

