

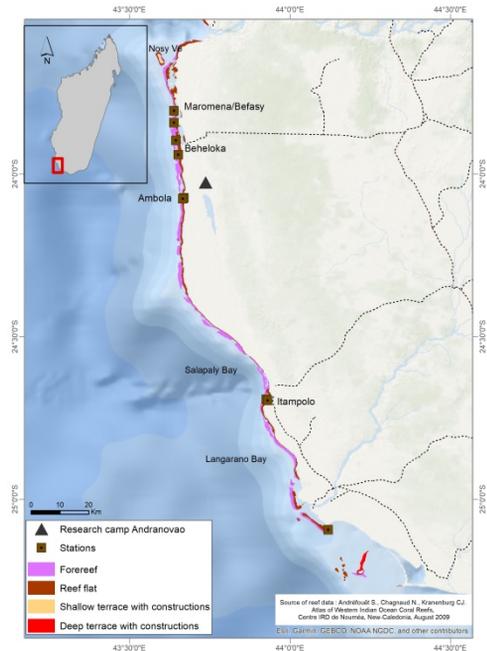
# Evolution of reef system in the Mahafaly seascape, south-western Madagascar

**OBJECTIVE :** Relation between climate and reef system evolution

**Data :** reef monitoring on 18 stations located in 9 villages from 2001 to 2016

Parameters covered : hard coral, soft coral and algae cover

Climate data : SST, rainfall



**Results :** Decrease of hard and soft coral cover observed  
Increase of the turf algae cover  
Increase of the SST ( $0.013^{\circ}\text{C}/\text{year}$ ) is observed during the study period.

The rainfall is variable

**Conclusion :** Coral reef evolution is complex, many factors can contribute to it : climate, human, physical, biomass abundance....