

# RESEARCH UNIT AND AREAS OF RESEARCH

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## **Areas of research**

- .Natural resources governance (mangrove and forest, forest corridor)
- .Climate change and its effects on territories, resilience and adaptation of rural activities (agriculture)
- .Waste management and Informal sector in urban areas
- .Profile and reduction of disaster risks (cyclone, tropical storms, floods)
- .Marine and coastal erosion and risks
- .Value chain in agriculture and industries
- .Urbanization and economic geography
- .Ecotourism and sustainable development
- .Governance of hydrographic system and watersheds
- .Geographic Information System (GIS) applied on forest management, and urban change
- .Geopolitics and conflicts around natural resources (water, land)

## **Geographical coverage**

- .Madagascar, its regions and little islands
- .Other Indian Ocean islands (Comoros)

# **The major challenges in Africa our unit is working on**

- .Climate change and rural resilience**
- .Modernization of urban infrastructures (roads, infrastructures of drinking water, basic sanitation services, markets)**
- .Reduction of deforestation and forest degradation**
- . Reduction of marine and coastal risks or disasters**
- . Enhancing value chains of rural products**
- .Access to land for peasants and little farmers**
- . Use of renewable and hybrid energies (solar, eolien, biomass)**
- . Integration of the country into globalization and regionalism (Indian Ocean, Eastern and Southern Africa)**

# **Major activities in the fields of governance and public policies in relation with these challenges**

- . Scheme exploration of natural resources and biodiversity governance through:
  - 1- Protected areas strategies: Management of protected areas (Natural Reserve and parks, forest corridor, mangroves)**
  - 2-Governance transfer to local Communities and stakeholders****
- . Assessment of rural pro-poor programme and public policies for food security challenge**
- . Investigations of periurban and new cities planning to face metropolitan and major cities congestion (Antananarivo)**
- . Evaluation of national strategies in agriculture value chains and valorization of ecotourism in Madagascar**
- . Appraisal of strategies in environment preservation, biodiversity conservation and reduction of forest degradation**
- . Prospective researches on rural landscape evolution**
- . Empirical studies on hybrid and renewable energy policies**