Climate change in the Mediterranean islands: the case of Corsica (France)

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Evolution of the annual average temperature of 4 cities of Corsica

<table>
<thead>
<tr>
<th>Altitude (m)</th>
<th>Δ T (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1,4</td>
</tr>
<tr>
<td>500</td>
<td>2,3</td>
</tr>
<tr>
<td>1000</td>
<td>3,3</td>
</tr>
</tbody>
</table>

Increase in average air temperature in 40 years
Evolution of annual evapotranspiration of 2 cities coastal of Corsica

Increased of intensity and duration of soil drought
Impact on River Discharge (Tavignano)
The Climate Change Adaptation Basin Plan (Corsica)
The Vulnerability of Territories

- PINO
  - Cap Corse
- CALVI
  - Balagne
- BONIFACIO
  - Extrême Sud
Resource scarcity:

Water Resource Systems Modeling

Groundwater Exploration

Rainwater Harvesting

Plant Species Selection

Treated Wastewater Reuse

Organization of a monitoring system.

Wireless Sensor Networks.
Biodiversity Loss:
Water Temperature
Ecological Flows
Riparian Forest
Endemic Species

Human Health Risks:
Infectious and Vector-borne Diseases
Cyanobacteria.
Know Better Do Better: Water Information and Management System
Innovative Practices and Experimentation
The Potential of Hydroelectric Power
Organizing for Collective Action: Local Governance
Network Knowledge, Information and Sensitization
Sharing knowledge and promoting citizen participation (NGO).