**AXIS 1: BIODIVERSITY IN COASTAL ENVIRONMENTS**

1.1 Role of microalgae in the functioning of intertidal mudflats

MIXOTROPHY

1.2 Diatoms

1.3 Dinophysis

1.4 Chemo-diversity of toxic microalgae

**AXIS 2: ADDING VALUE TO MARINE RESOURCES**

2.1 Seawater treatment: aquaculture & desalination

2.2 Exploitation of & adding value to invasive species

2.3 Dynamic growth models for micro-organisms

**AXIS 3: NEW APPLICATIONS AND NEW RISKS IN COASTAL AND MARITIME AREAS**

3.1 Global change
   - Coastal submersion
   - Invasive species

3.2 Impacts on maritime fishery
   - Fishing sector & wind farms
   - Fisheries modeling platform

3.3 FR-CA comparison of impact analysis oil/wind

**INTEGRATIVE AXIS**

- Networking: research network, toxic algae & toxins, bio-colonisation
- Expertise platform: conceptualisation of risk and governance
- Education: masters level summer schools, continuous education