



ASCLME PROJECT

Inshore oceanographic monitoring programme

National activity planning-MADAGASCAR

Inshore oceanographic monitoring programme is part of the ASCLME project in the region. As member of the programme and in the framework of the capacity building for the countries involved in this project, Madagascar will receive equipments allowing marine and/or fishery local institutions to carry out their own inshore monitoring activities. Madagascar will be provided with 02 YSI for CTD measurements, 02 units of Niskin Bottle and 02 GPS. Two institutions were identified to host these equipments: IH.SM¹ (as lead institution) and CNRO². Besides, 02 underwater temperature recorders were launched along the west coast of Madagascar (01 in Hell Ville, 01 in Toliara bay) during the African Coelacanth Ecosystem Programme. As part of the follow-up programme after the training workshop held in Mauritius last April 2010, the following activity plan is proposed for 2010 at national level for initial use of the equipments:

1. Proposed field dates for a demonstration field trip

a. Toliara

In Toliara, the vicinity of the sea is a good opportunity for such exercise. Several stations will be prospected and monitored. Depending on the availability of the equipment, demonstration field trip will start on **mid October** around the Great Reef Barrier of Toliara as shown in the following map (Fig. 1).

b. Hell-Ville

As for the Hell-Ville (Nosy-Be), CNRO scientists from the Physical Oceanography Department will start later, probably on **mid December**. The reason is that they need some training for the use of the equipment. This training will be provided by the MD NODC staff that has been trained in Mauritius as mentioned here above.

2. Field sampling plan

Two days field trip will be planned for each location. In Toliara, 4 sites are selected, two in the lagoon (6-18m depth) and two others in the reef slope (20-25m depth) as shown in the map (Fig. 1) next page. Similar experiment will be proposed in the vicinity of CNRO (Hell-Ville). The first two stations are located in front of the peer of CNRO (6-8m deep), while the two remaining sampling stations will be planned around Nosy Tanikely (12-18m depth) (Fig. 2). The national long-term monitoring program will be defined later on for both in Toliara and Nosy-Be.

3. National institutions to which data sets will be submitted

All data collected from the survey will be transferred to the National Oceanographic Data Centre for Madagascar (MD NODC) which is based in Toliara (IH.SM) for archiving and sharing. However, a copy will be saved at the local institutions which collect the data for local use.

¹ Institut Halieutique et des Sciences Marines

² Centre National de Recherche Oceanographique

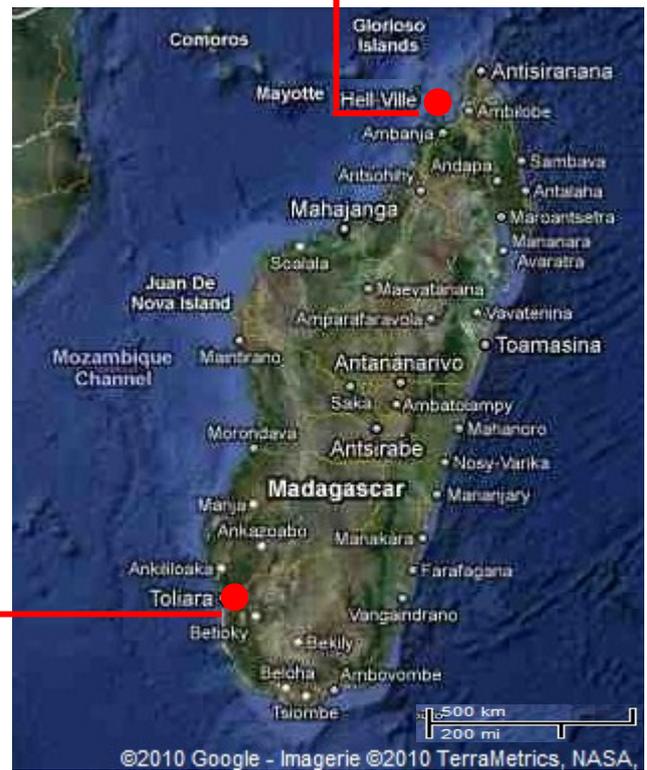
Fig.2. Map of proposed sites in Hell-Ville



Fig.3. Map of proposed sites in Toliara



Fig. 1. Map of Madagascar



Submitted to ASCLME NC and RC
August 10, 2010
by John Bemiasa
IH.SM/MD NODC
PO Box 141-Route du Port-Toliara
MADAGASCAR