

A Natural Heritage Management Plan Revealing Unexpected Deep Biodiversity: A Spotlight on a Port Conservation Action.

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# A volontary environmental initiative



PORT REUNION

### Natural Heritage Master Plan

Better knowledge and considerations of natural heritage in port development projects

- Inventories of terrestrial and marine diversity
- Definition of environmental issues
- Surveys for assessing impacts port projects
- Action plan for biodiversity conservation





## **Avoid Reduce/Mitigate Compensate**



#### **Environmental-friendly port developement**



### SPA/GPMDLR cooperation programme Development of Natural Heritage Management Plan





**Coopération programme between Seychelles Ports Authority (SPE) and Grand Port** maritime de la Réunion (GPMDLR) : « Green Port »

Exchange good pratices on the developement of Natural Heritage Management Plan



Projet de coopération avec les Seychelles









Gygis alba (© P.-Y. Fabulet)



\*Le programme de coopération GPMDLR/SPA est cofinancé par l'Union Européenne dans le cadre du PO INTERREG V océan-Indien

### Marine action plan

Marine action plan validated

**Objective 1**: Knowledge of natural heritage

- Action 1.1: Enhancing the value of marine survey results

Action 1.2: Improving knowledge of marine biodiversity





**Objective 2**: Conservation and promotion of the richness and functionality of ecosystems, extension of inventories carried out

- Action 2.1: Monitor of marine biodiversity

Actions 2.2:
Preserve/Restore/Rehabilitate natural habitats



# Deep high biodiversity: diving into Mesophotic Coral Ecosystems in Reunion Island, SouthWestern Indian Ocean





## **ECOMER Project** MESOPHOTIC CORAL ECOSYSTEMS



## Objectives



Characterizing mesophotic habitats and sessile macrobenthic communities



Demographic processes of mesophotic scleractinian corals and their genetic structure



Connectivity and conservation of mesophotic coral ecosystems





**SDPN : an experimental base for biodiversity** 

















Scleractinia





#### Milleporidae

Stylasteridae





Antipatharia



Octocorallia

















#### Shift of benthic communities from scleractinian corals to soft corals (gorgonians) at 45 m depth



#### Results

- Le Port (Port area)

### **ECOMER Project**

#### A Marine Animal Forest ...



#### ...harboring an important biodiversity

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