

# NEREIDA PROJECT

NAFO Potential Vulnerable Marine Ecosystems – Impacts of Deep-sea Fisheries

Works of Multipurpose RV MIGUEL OLIVER (S.G.M.)



## NEREIDA

NAFO POTENTIAL VULNERABLE MARINE ECOSYSTEMS.  
IMPACTS OF DEEP-SEA FISHERIES

\* HUDSON VESSEL (CCGS CANADA) IS ALSO DEVELOPING COMPLEMENTARY WORKS  
INSIDE THE NERIEDA PROJECT.

# OBJETIVES

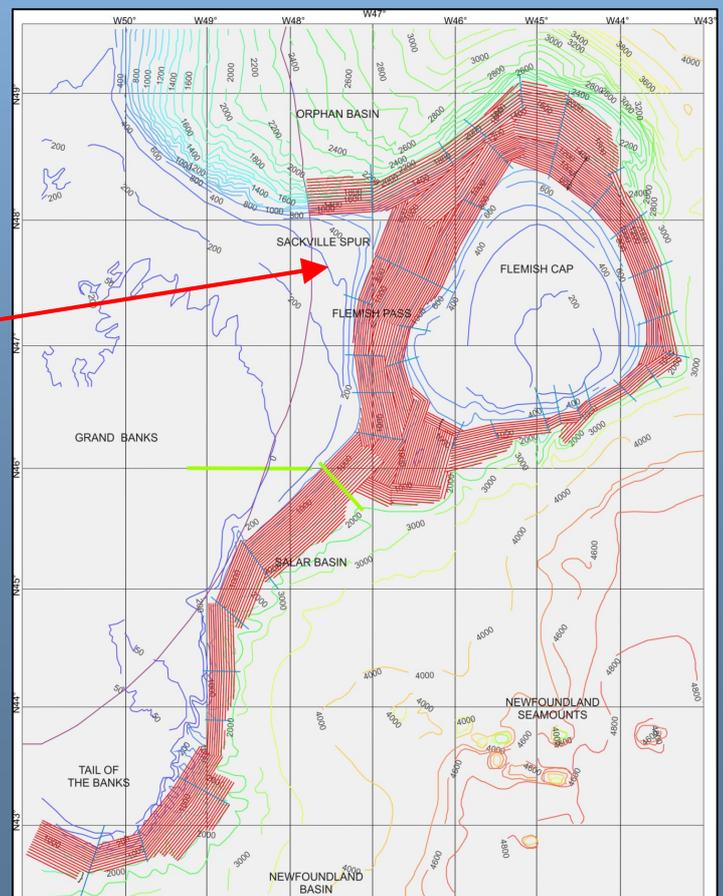
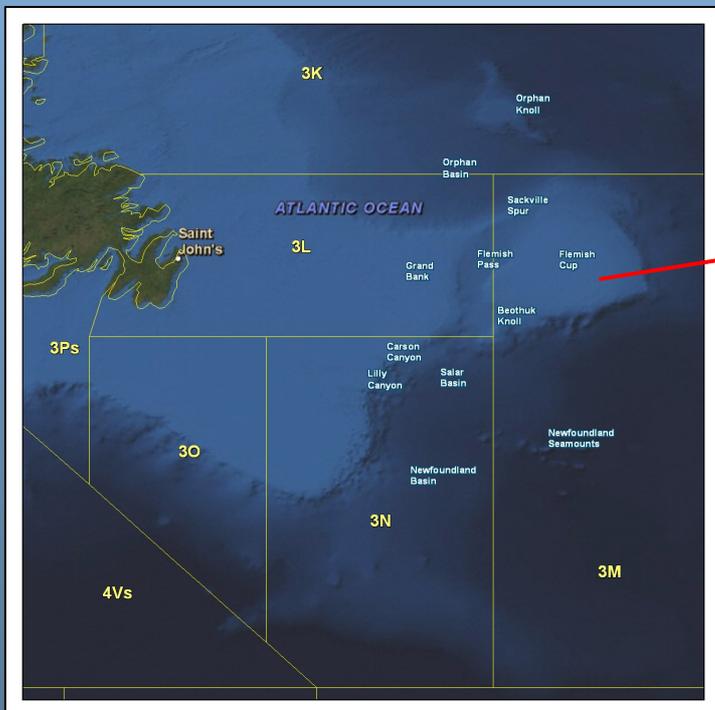
**NEREIDA surveys have as main objective the multidisciplinary research of the sensible habitats and fishing activities as well as the analysis of the fishing resources for the study and protection of the vulnerable ecosystems.**

## **SPECIFIC OBJECTIVES:**

- **To identify the presence and distribution of the organisms that constitute Vulnerable Marine Ecosystems (cold water corals, large sponges.. )**
- **To describe the ecology of the deep-sea habitats identified**
- **To map the distribution of VMEs and other topographically distinct features in the area of study**
- **To create and maintain a Geographic Information System database of all information collected during the project**

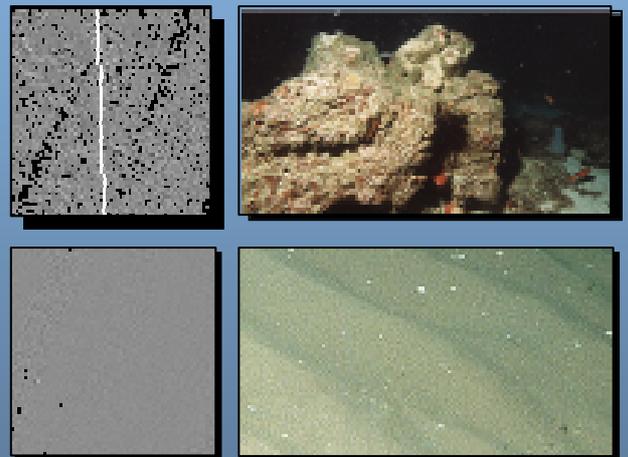
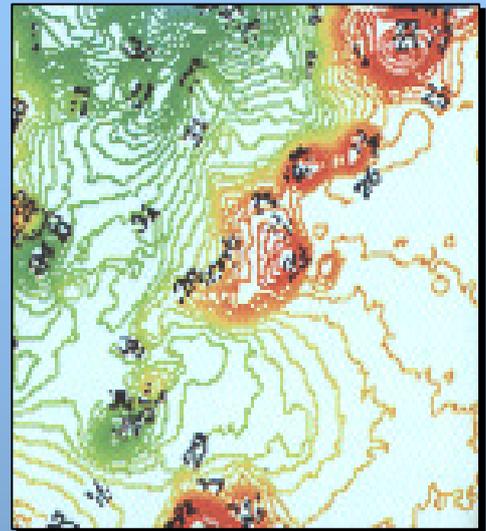
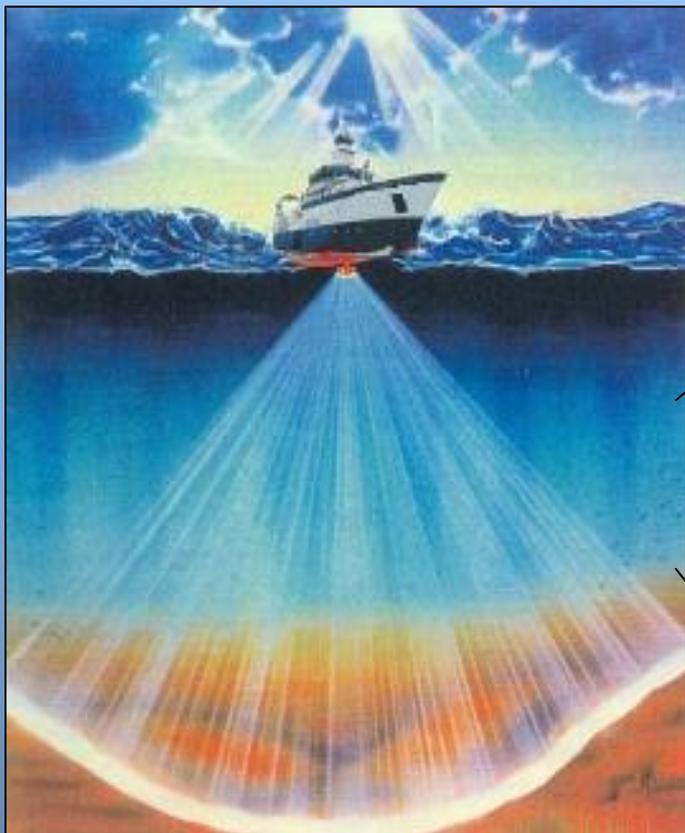
# STUDY AREA

**Geographically, the study area covers from the 200 miles of the Canadian EZZ and the 700-2000 m isobaths in High Seas of the Northwest Atlantic High Seas.**



# WORKS ON BOARD

- Geology (Multibeam Echosounder ,Seismic Profiling)
- Benthic Ecology (Megabox-corer, Rock dredge)
- Hydrography (CTD –Conductivity, Temperature, Depth, Fluorescence, Oxygen)



## SURVEYS SUMMARY AND WORKSHOPS

### Surveys NEREIDA 2009:

NEREIDA 0509 (May 25- June 20)

NEREIDA 0609 (June 24 – July 18)

NEREIDA 0709 (July 22- August 21)

### Surveys NEREIDA 2010:

NEREIDA 0610 (10 June- July 2)

NEREIDA 0710 (3 July- July 29)

NEREIDA 0810 (30 July – August 21)

### NEXT WORKSHOPS:

NEREIDA 1 (OCTOBER 2010, VIGO. SPAIN) Distribution of works.

NEREIDA 2 (MARCH 2011, VIGO. SPAIN) Presentation of results.





General Secretary of the Sea (SGM) .Ministry for the Rural and Marine Environment . Spain  
Spanish Institute of Oceanography.Spain  
Geological Survey of Canada – Natural Resources Canada  
Canadian Hydrographic Service –Fisheries and Ocean Canada  
Ecosystem Research Division –Fisheries and Ocean Canada  
Centre for the Environment Fisheries and Aquaculture Science (Cefas). UK  
Polar Research Institute of Marine Fisheries and Oceanography .Russia  
P.P. Shirshov Institute of Oceanology (RAS). Russia

