BIOMETORE - Biodiversity in seamounts: the Madeira-Tore and Great Meteor

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BIOMETORE Objectives

The project aims at carrying out sampling surveys encompassing seamounts in the Madeira-Tore (Gorringe bank, Josephine and Seine) and Great Meteor geological complexes to acquire knowledge on biodiversity, from species to pelagic and benthic ecosystems and, human pressures.

The data obtained will contribute to improve knowledge of relevant MSFD descriptors such as those related to biodiversity (D1, D3, D4 and D6) where the initial assessment identified insufficiency of data and information.
BIOMETORE Consortium

Promoter: ipma

Partners:

Collaborators:
BIOMETORE surveys

NI Arquipélago

Portugal Atlantic Conference, 2015, Porto
BIOMETORE survey areas

Portugal Atlantic Conference, 2015, Porto
NI Arquipélago surveys

- Planned: 3; Accomplished: 2
- Biological data
- Physical data
- Acoustic data
NI Arquipélago surveys

Longline

Methods

Traps

CTD

BIOMETORE
NI Arquipélago surveys

Planned: 3; Accomplished: 2

Biological data

Physical data

Acoustic data

Longline

Methods

Traps

lander

CTD
NI Noruega surveys

Planned: 3; Accomplished: 1

- Biological data
- Chemical data
- Physical data
- Acoustic data
- Meteorological data
NI Noruega surveys

Methods

CTD + Niskin bottles
Plankton nets
Pelagic nets
Multicorer and Grabs
NI Noruega surveys

Planned: 3; Accomplished: 1

- Biological data
- Chemical data
- Physical data
- Acoustic data
- Meteorological data

Methods

- CTD + Niskin bottles
- Plankton nets
- Pelagic nets
- Multicorer and Grabs

BIOMETORE

Portugal Atlantic Conference, 2015, Porto
NI Gago Coutinho surveys

Planned: 2; Accomplished: 1

- Biological data
- Physical data
- Acoustic data
NI Gago Coutinho surveys

Methods

- Multibeam
- CTD + Rosette
- ROV Luso
NI Gago Coutinho surveys

Planned: 2; Accomplished: 1

Biological data

Physical data

Acoustic data

Methods

Multibeam

CTD + Rosette

ROV Luso

BIOMETORE
BIOMETORE main expected results

- First time a consortium including all major Portuguese institutions related with the Sea working together

- Species collected to Natural Museum collections, including tissue for DNA analysis

- **BIOMETORE** database will be created with association with *SeaBioData* project (PT02_Aviso5_0002)

- A sustainability plan for the study areas
Thank you

https://www.ipma.pt/pt/investigacao/eeagrandts/index.jsp