



# Fish diversity of the Great Meteor, Seine and Unicorn seamounts

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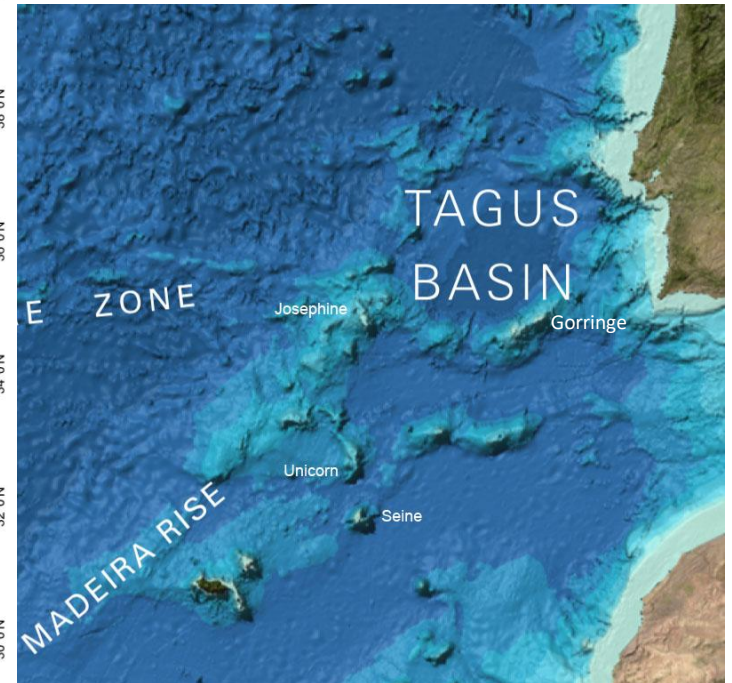
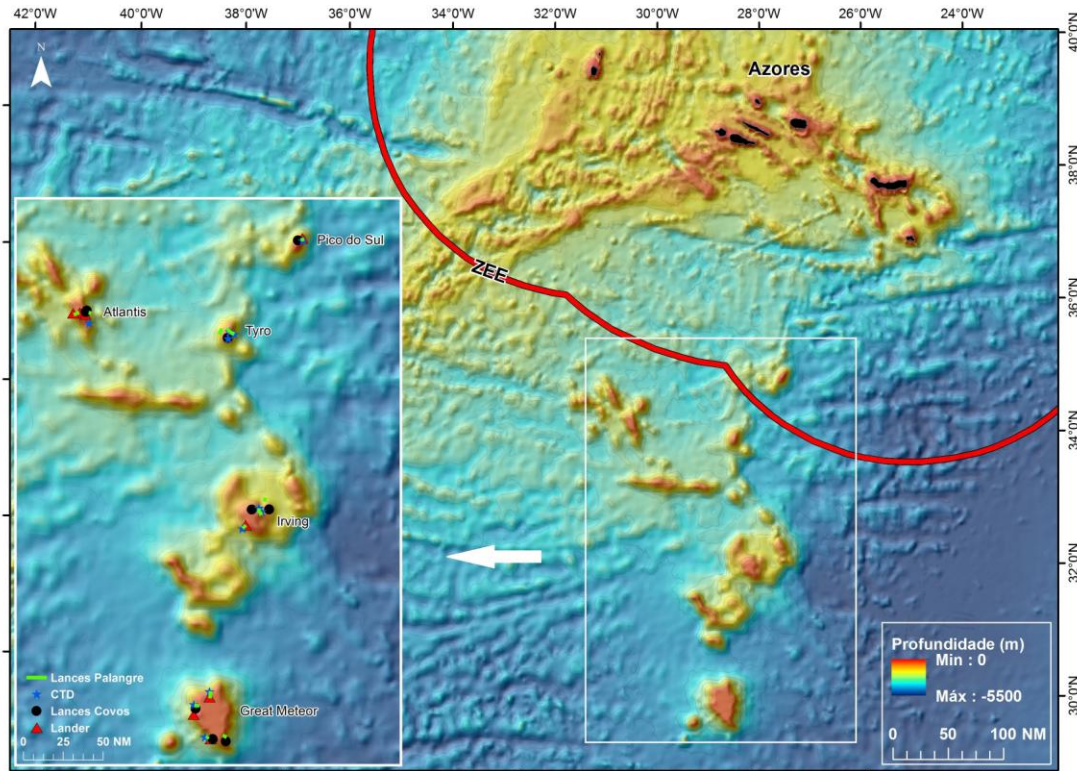
WP2 -- Benthic habitat characterization &  
WP3 -- Pelagic habitat characterization



Cincias ULisboa



# The areas sampled







biométore

# THE PELAGIC ENVIRONMENT

# Great Meteor: Irving

- Most of the fishes caught by the IKMT belong to the **Family Myctophidae** (IR1, IR2, IR3, IR4, IR7).
- A total of **190** individuals of **myctophids** (from 18 to 40 mm SL) were identified.
- The dominant **mesopelagic fish** species was *Cerastocospelus warmiingii*.



# Great Meteor: Irving

## Main myctophid species

*Bolinichthis indicus*

*Ceratoscopelus warmingii*

*Diaphus spp.*

*Lampanyctus spp.*

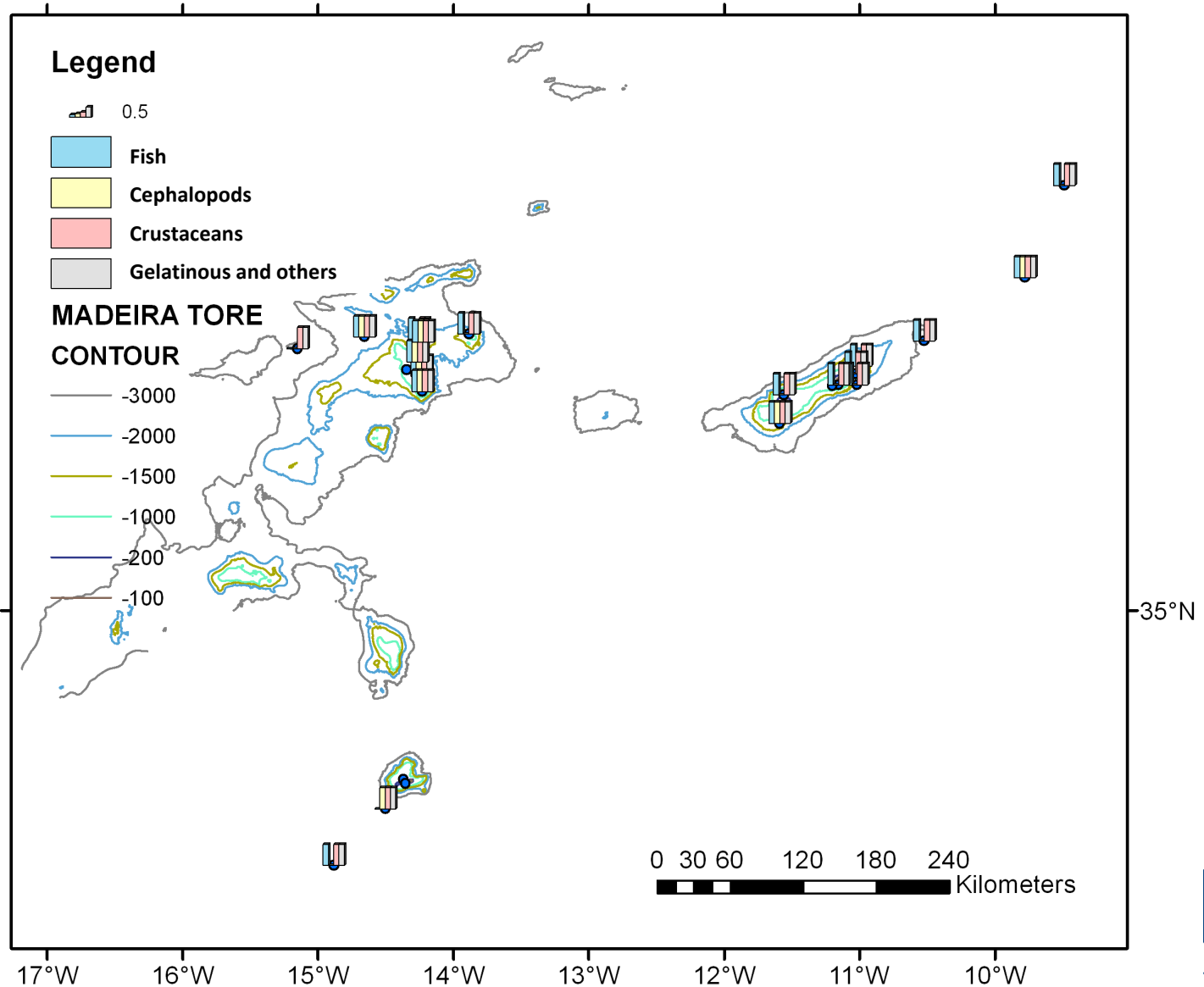
*Lepidophanes gaussi*

*Lobianchia dofleini*

*Lobianchia gemelarii*

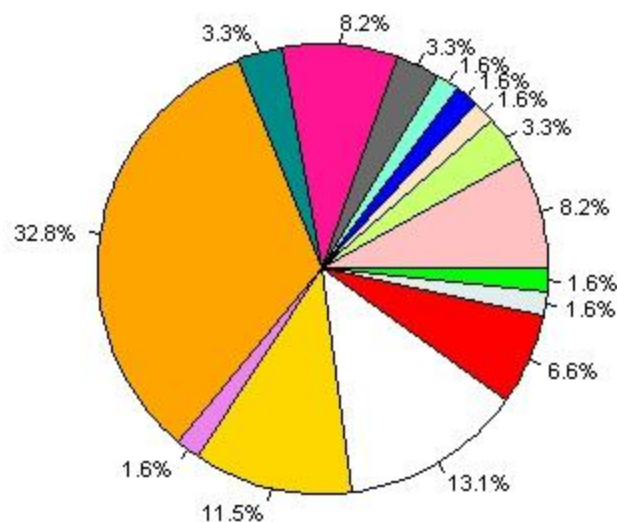
*Notoscopelus resplendens*

# IKMT stations at Madeira Tore

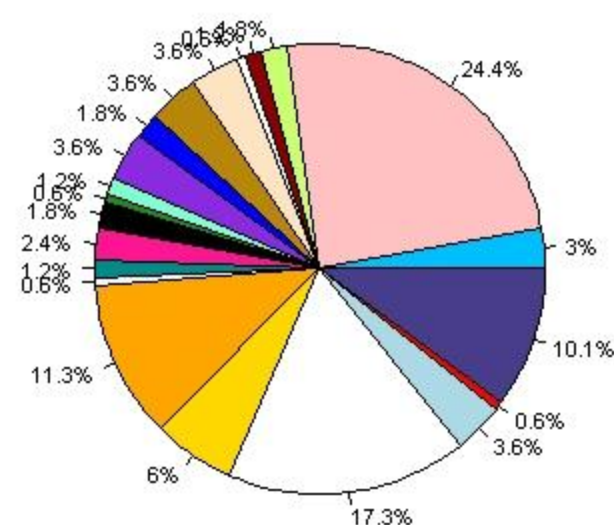


- Myctophids were one of the most abundant families. They are important components of the trophic web. Most of them perform daily vertical migrations being close to surface during night pursuing their preys, the zooplankton.

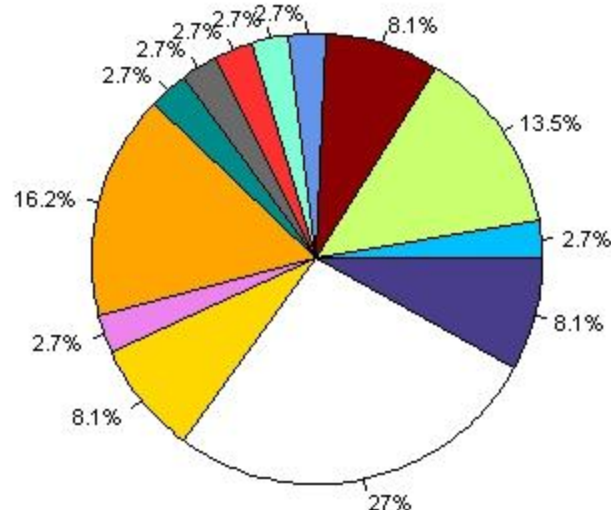
# Gorringe



# Josephine

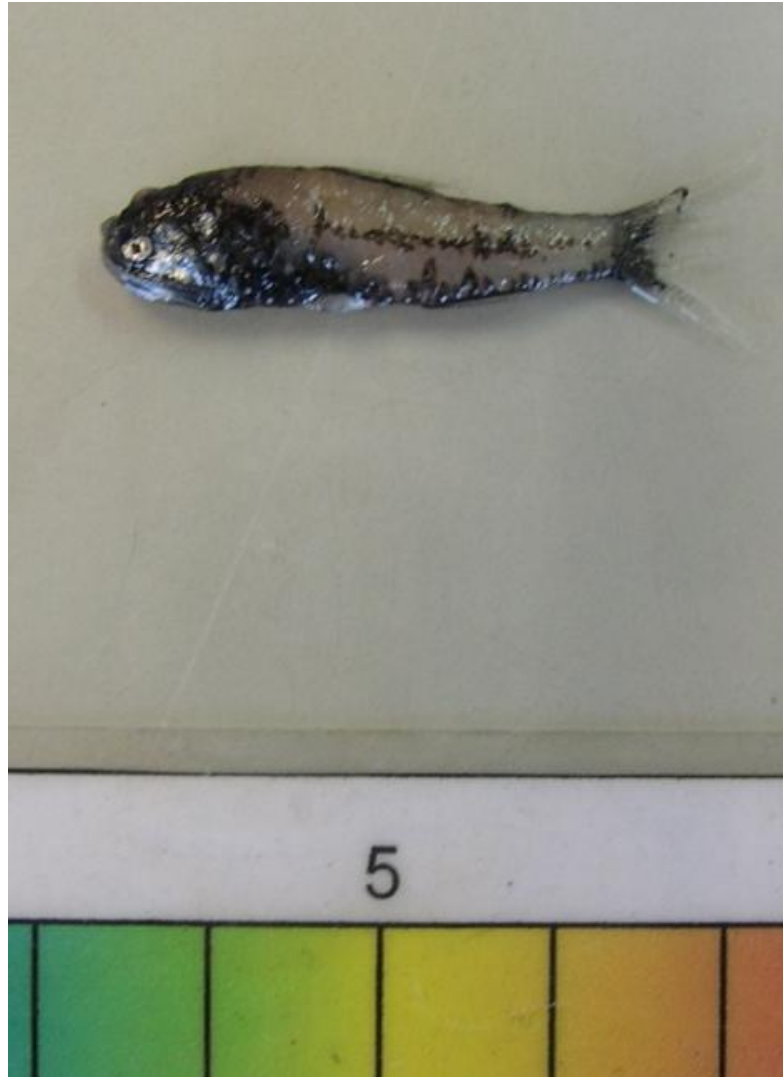


# Seine





The most abundant myctophid species at Madeira-Tore was *Lobianchia dofleini*



- In almost all stations several crustaceans, fishes and gelatinous species we also caught. Cephalopods occurred in half of the stations.





# **THE BENTHO-PELAGIC ENVIRONMENT**

# Tyro, Atlantis, Irving & Great Meteor

- 32 species of Teleostei
- 17 species of Chondrychthyes
  - Most diverse families:
    - Moridae (6)
    - Macrouridae (5)
    - Somniosidae (4)
    - Centrophoridae (3)
    - Rajidae (3)
  - Most abundant species:
    - *Helicolenus dactylopterus*
    - *Deania profundorum*
    - *Deania calcea*

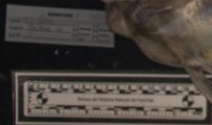


# Seine & Unicorn

- 20 species of Teleostei
- 10 species of Chondrichthyes
  - Most diverse families:
    - Centrophoridae (4)
    - Moridae (2)
    - Synaphobranchidae (2)
  - Most abundant species:
    - *Trachurus picturatus*
    - *Scomber colias*
    - *Pontinus kuhlii*
    - *Deania profundorum*







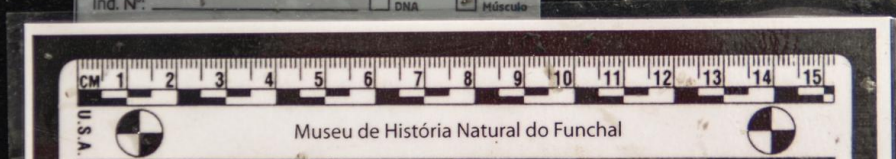
BIOMETORE 11/03/2017

Lance: #4

Espécie: *G. waraldi*

Ind. N°: 1

<input type="checkbox"/> Estômago	<input type="checkbox"/> Vértébras
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<input type="checkbox"/> DNA	<input type="checkbox"/> Músculo







# Thank You



Direção Regional dos Assuntos do Mar

