

Presentation of MAR-ECO Students

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Working title of project: Feeding ecology of *Coryphaenoides rupestris* from the Mid- Atlantic Ridge

Summary of Project: Trophic studies are necessary to improve our understanding of the marine food webs and community structures. The roundnose grenadier, *Coryphaenoides rupestris*, is one of the most common demersal fishes on the northern mid- Atlantic Ridge. This project aims to identify the significant prey animals of this species, study their relative significance, and to compare the grenadiers feeding strategies on the mid- Atlantic Ridge with similar studies from other areas in the North Atlantic, e.g. the Skagerrak and the Rockall Trough. Earlier studies have suggested that roundnose grenadier is a benthopelagic predator, and the study will reveal if this is also the case in the mid-Atlantic.

The study is an element of more wide-ranging food-web studies of the mid- Atlantic Ridge macro- and megafauna communities within the international MAR- ECO project.

