

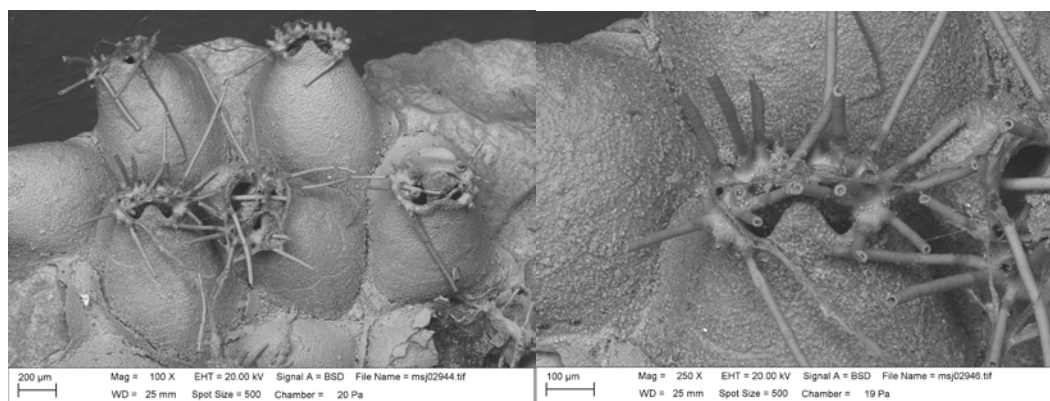
## MASTS Deep Sea Forum Report

### Diversity of Bryozoa from offshore and deep water in the North East Atlantic Ocean

**Dr Joanne Porter (HWU) and Senior Curator Mary Spencer Jones (NHM London)**

The aim of this project is to consolidate the various data generated by these surveys in order to present state of the art knowledge regarding bryozoan diversity in the North East Atlantic region and to identify significant gaps.

So far we have been able to visit the National Museum of Scotland and revise the material from the AFEN collection. In this material we found one species new to science. This specimen has been scanned on the Scanning Electron Microscope and so these images are part of the publication which is being prepared for the formal description of the species.



A visit was also made to the National Museum of Ireland in Dublin to assess the state of material collected by the Spotswood Green Expedition to Rockall and described by Laura Thornely in 1897. A loan of the material, which covers forty two species and three varieties, was arranged so that the collection can be scanned by SEM in London and identifications of species could be confirmed. All records added into GIS database for the species distribution mapping.

Material collected by Jim Drewery (MSS) from the Shetland-Faroe Channel and from the Hebridean Shelf areas is being scanned by Scanning Electron Microscope. There are many microcolonies on the material especially growing on *Lophelia* and *Reteporella* substrates. Records are being collated in the GIS database.

Papers are in preparation for publication:

1. New species of *Hemicyclopora* 2017 to Marine Biodiversity
2. Thornley material 2018 to Biology and Environment
3. Species diversity of deep sea Bryozoa in regions 5 and 7 of UK waters to PLoSOne