



Undersea features into Marine Regions

Report for SCUFN-29 meeting, September 2016

Recent activities

During 2014 GEBCO-SCUFN and ACUF gazetteers were both integrated in Marine Regions. Approximately 2400 new records were added and other +6400 were updated. These updates included new synonyms, coordinates corrections, notes about the origin of the feature name, discovery and physical characteristics, etc.

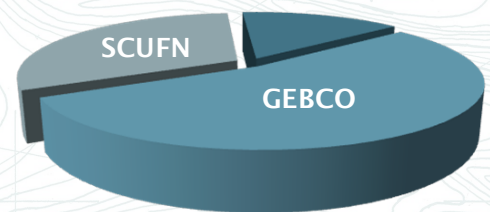
In April 2016 a **new update** of the GEBCO gazetteer was performed resulting in 122 new records added and the correction of the coordinates of 185 features. Features accepted during **SCUFN-27** and **SCUFN-28** meetings are now included in Marine Regions as well:

<http://www.marineregions.org/gazetteer.php?p=details&id=48789>

<http://www.marineregions.org/gazetteer.php?p=details&id=48792>

There are currently 7384 undersea features in Marine Regions:

- 3967 come from GEBCO,
- 2303 come from ACUF,
- The remaining 1114 come from other sources.



Issues and recommendations

During the last updates we found a couple of issues:

- There are two features without primary coordinates in GEBCO. These are Bounty Fan (FeatureID = 6143) and Paul Melchior Seamount (FeatureID = 6034).
- The geometry provided in the shapefile available for download at the GEBCO website is that given by the primary coordinates. Therefore, the two features mentioned above are not present in the shapefiles. This creates an inconsistency in the number of features given by the excel file (3940) vs. the number of features in the shapefiles (3938).

In terms of future updates, we would like to request that the FeatureID is included in the files to be downloaded. This would allow a more efficient update and avoid the risk of duplicating features within the Marine Regions gazetteer. During the integration exercise we could access the FeatureID via the WFS but this service is not available now.