

# Report on Marine Regions activities

**SCUFN-35, Monaco, November 2022**

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**Marineregions.org**

towards a standard for georeferenced marine names

# Marine Regions

## Outline

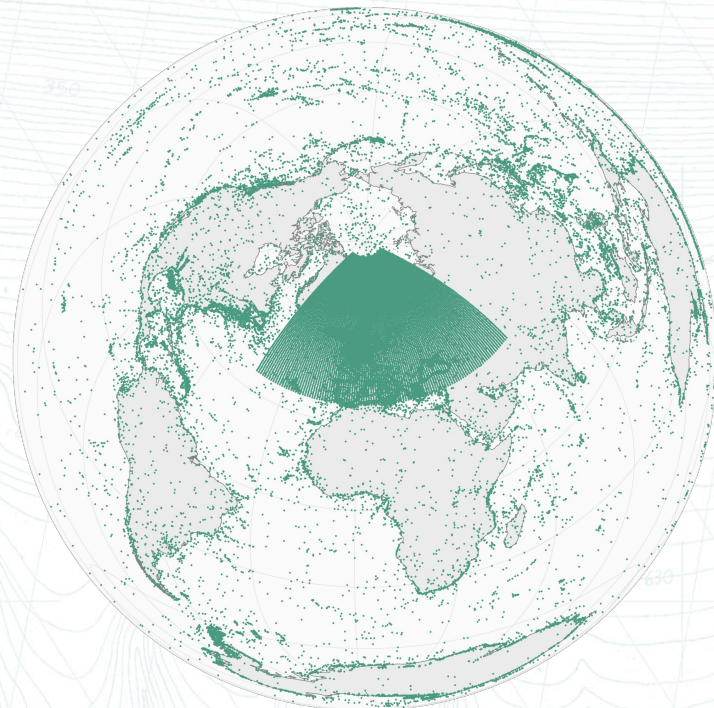
- Introduction
- Undersea features
  - GEBCO update
  - ACUF update
- Data products updates
- Short-term planned activities for Marine Regions



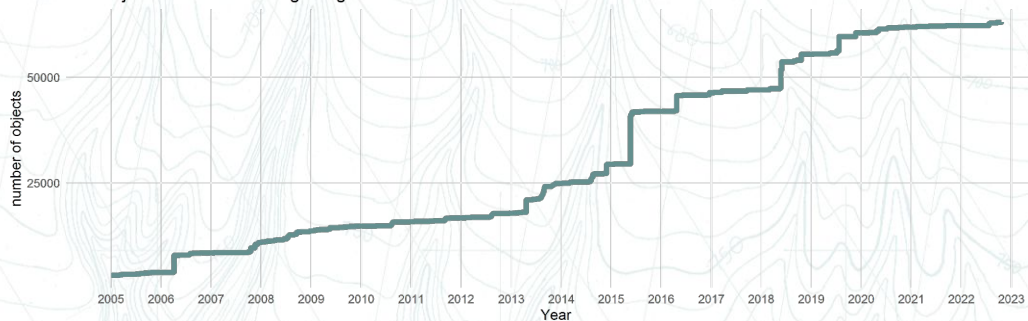
# Marine Regions gazetteer

## Introduction

- Standard list of marine georeferenced place names and areas.
- **62,981** marine georeferenced places
- Sources: authoritative gazetteers, ecological classifications,...
- Serves as the geographic backbone for large-scale integrated geographic databases



GeoObjects in the Marine Regions gazetteer



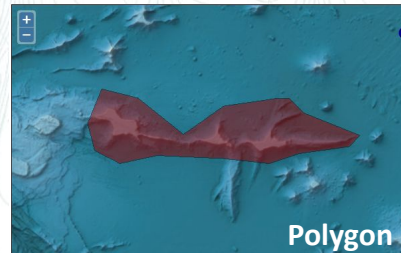
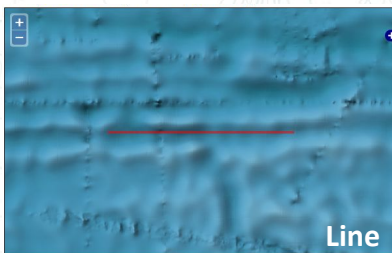
# Marine Regions gazetteer

## Introduction

- The identity of each feature or geo-object in the database is given by a unique and persistent **Marine Regions Geographic Identifier: MRGID**.
- Each geo-object is defined by a place type and its coordinates (vector) but can have multiple synonyms.



## Geometry

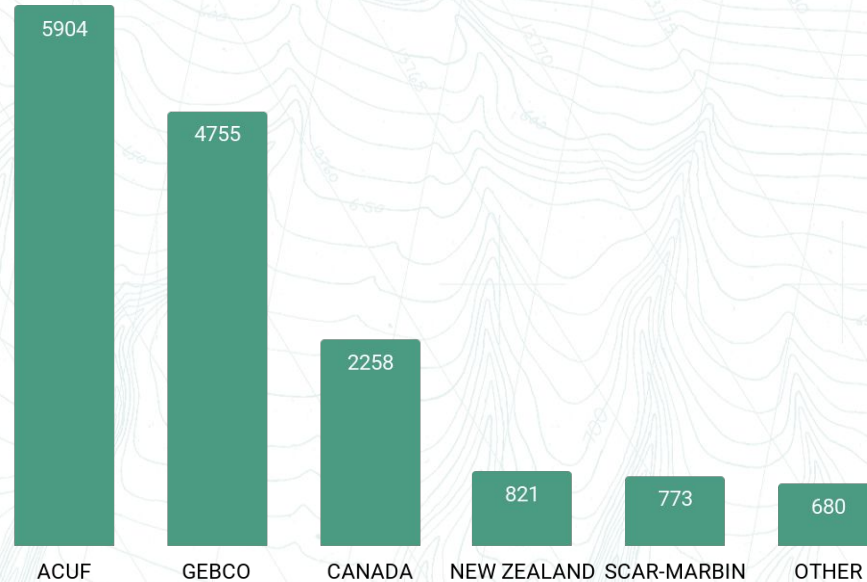




# Marine Regions gazetteer

## Introduction

- **11742 undersea features** records in Marine Regions



# Undersea features

## GEBCO update

- **114 new features** added to Marine Regions, mainly from SCUFN-34 and SCUFN-35 but also from SCUFN-29, SCUFN-31 and SCUFN-33
- Issues found:
  - a. For some features from the ACUF gazetteer, it is not entirely clear if the placetype of the given feature can be considered similar to the placetype in the GEBCO gazetteer, and if the features are the same. For now, we have integrated them under the same MRGID. Could you please have a look at the list in the file SCUFN35\_2 - placetype\_tocheck.xlsx?



# Undersea features

## ACUF update

- **2 new features** added to Marine Regions
- Issues found:
  - a. Features Le Trou sans Fond (UFI -2123603) and Stimen (UFI -1306370) are no longer listed under the undersea features. What could be the reason for this?
  - b. The feature with UFI 14988298 has two names: Monowai Caldera and Monowai Seamount. The GEBCO gazetteer contains two separate features with different generic terms for these names at a distance of 10 km. Could it be that these names should be listed under separate UFIs?
  - c. For several features, there are now two instances in the ACUF gazetteer in close proximity of each other (see table below). Are these indeed separate features?

feature	UFI (original)	UFI (new)
Broughton Gap	-152716	15236917
Rumble Four Seamount	9092752	15237317
Saunders Canyon	-155353 (no longer listed under undersea features)	15237321
Campbell Seachannel	-152779	15236920
Te Punga Hill		9092882 & 15175540 (both new features)
Taranui Seamount		9092613 & 15175539 (both new features)

# Undersea features

## ACUF update

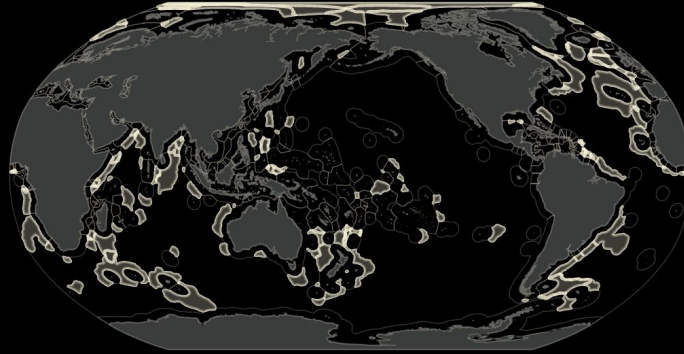
- Issues found (continued):
  - d. The feature Cavalli Valleys (UFI = 15236921) has the same description as the feature Cavalli Valleys in the GEBCO gazetteer, but significantly different coordinates. Could the coordinates be erroneous for this feature?
  - e. The feature Waitaki Sea Channel (UFI = 15237342) has the same description as the feature Waitaki Sea Channel in the GEBCO gazetteer, but significantly different coordinates. Could the coordinates be erroneous for this feature?
  - f. See issue GEBCO a.



# Data products updates

## Extended Continental Shelves v1

### What lies beyond...



### Continental shelves beyond 200 NM

!New Marine Regions product! Extended Continental Shelves:  
Flanders Marine Institute (2022), Maritime Boundaries Geodatabase:  
Extended Continental Shelves, version 1. Available online at  
<https://www.marineregions.org/>, <https://doi.org/10.14284/577>  
Exclusive Economic Zones: <https://doi.org/10.14284/386>



## Short-term planned activities for Marine Regions

- Update of mregions R package
- Maritime Boundaries v12
- Ocean Decade endorsement
- Contact with JCUFN for integration



**2021**  
**2030** United Nations Decade  
of Ocean Science  
for Sustainable Development



# Thanks for listening!

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