Report on Marine Regions activities

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Marineregions.org

towards a standard for georeferenced marine names

2021 United Nations Decade
2030 of Ocean Science
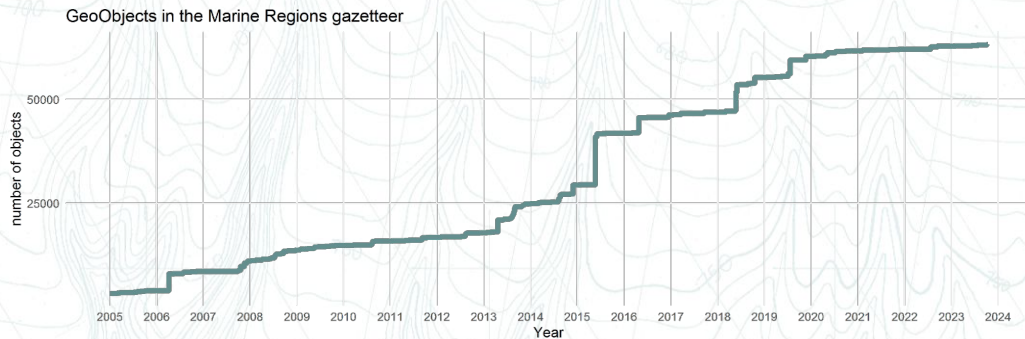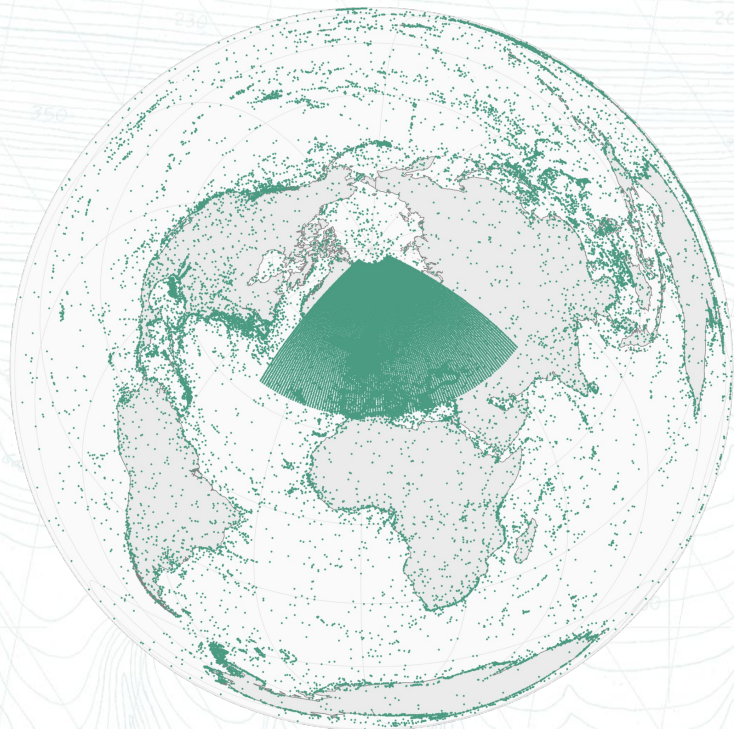for Sustainable Development

Marine Regions

Outline

- Introduction

- Undersea features
    - GEBCO update
    - ACUF update

- Data products updates

- Other updates

- Short-termed planned activities for Marine Regions

Marine Regions gazetteer

Introduction

- Standard list of marine georeferenced place names and areas.

- **63,230** marine georeferenced places

- Sources: authoritative gazetteers, ecological classifications,...

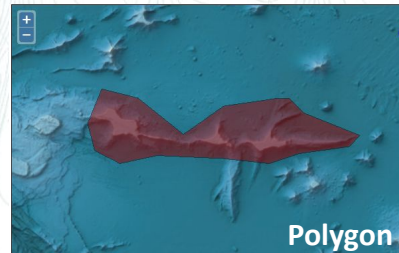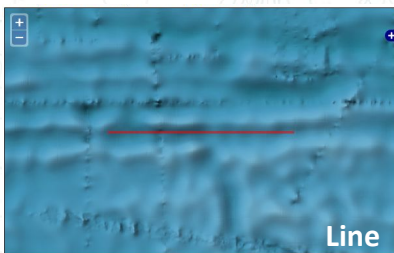- Serves as the geographic backbone for large-scale integrated geographic databases

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 **M**arine **R**egions **G**eographic **ID**entifier: **MRGID**.
- Each geo-object is defined by a place type and its coordinates (vector) but can have multiple synonyms.

Geo-object (MR) | Coordinates

Lat=37.27°
Long=-0.72°

+ | Place type

Seamount(s)

& | Place name(s)

Águilas Seamount
Aguilas Seamount
Aguilas Bank

Geometry

Point

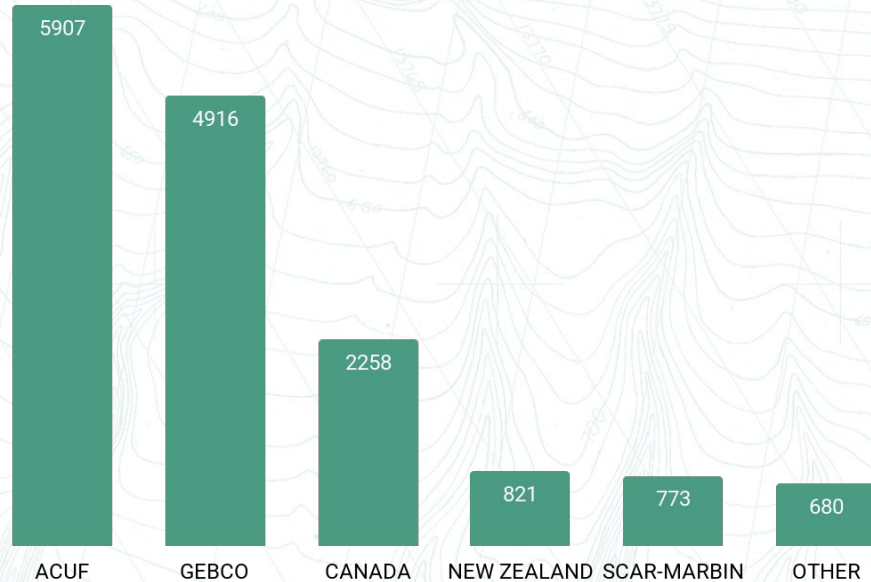

Line

Polygon

Marine Regions gazetteer

Introduction

- **11907 undersea features** records in Marine Regions

Undersea features

GEBCO update

- **161 new features** added to Marine Regions, all of which from SCUFN-34.

- Issues found:

Nothing to report.

- Related remarks
    a. Stability web services
       (https://gis.ngdc.noaa.gov/arcgis/services/IHO/undersea_features/MapServer/WMSServer?)
    b. License IHO-IOC GEBCO Gazetteer of Undersea Feature Names/formalisation collaboration Marine Regions?

Undersea features

ACUF update

- All new features were matched to an existing Marine Regions GeoObject.

- Issues found:
    a. Is it possible that in the ACUF website output for Country Code 'Undersea Features', the information for Monowai Seamount (UFI = 14988298) and its synonym is being <u>duplicated</u>?
    b. For feature Heckle Seamount in the ACUF gazetteer (UFI = 15323309), it is not entirely clear if the <u>placetype</u> of the given feature (seamounts) can be considered <u>similar</u> to the placetype in the Canadian gazetteer (featureid = 0cc65aa5849c20c330bbccdb96a0a14b), and if the features are the same. For now, we have integrated it under the same MRGID.
    c. Please also refer to previous reports for outstanding issues.

- Related remarks
    a. License BGN Undersea Features gazetteer/formalisation collaboration Marine Regions?

Data products updates

Maritime Boundaries v12

Other updates

UN Ocean Decade endorsement

- From global gazetteer to global community

  - Reviving the editorial community and establishing sustainable relations with these key contributors;
  - Consulting experts and improving the content and usability of the database;
  - Reaching out to UN Decade Actions and working towards a co-design;
  - Engaging the general public and their knowledge of relevant concepts;
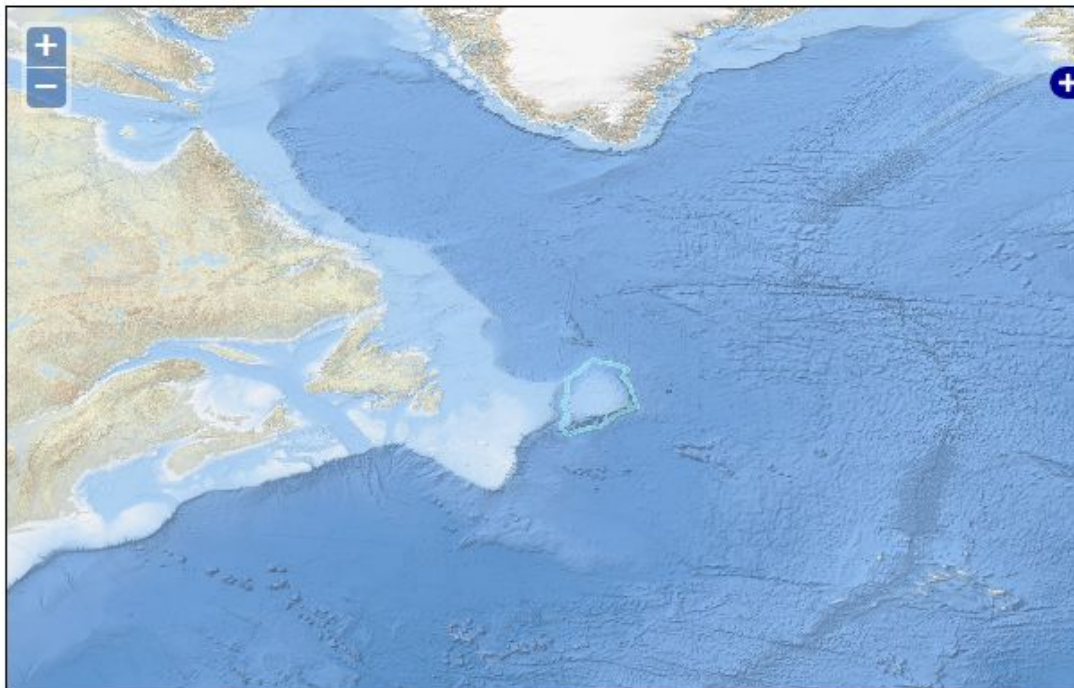 - Supporting major global (UN) policy instruments.

2021
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Other updates

New background map (EMODnet Bathymetry)

Short-termed planned activities for Marine Regions

- Update of mregions R package

- UN Ocean Decade activities

- Further contact with JCUFN for integration

- Maritime Boundaries v12 derived products (High Seas,…)

Thanks for listening!

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