

Report on Marine Regions activities

SCUFN-37, Jeju, June 2024

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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

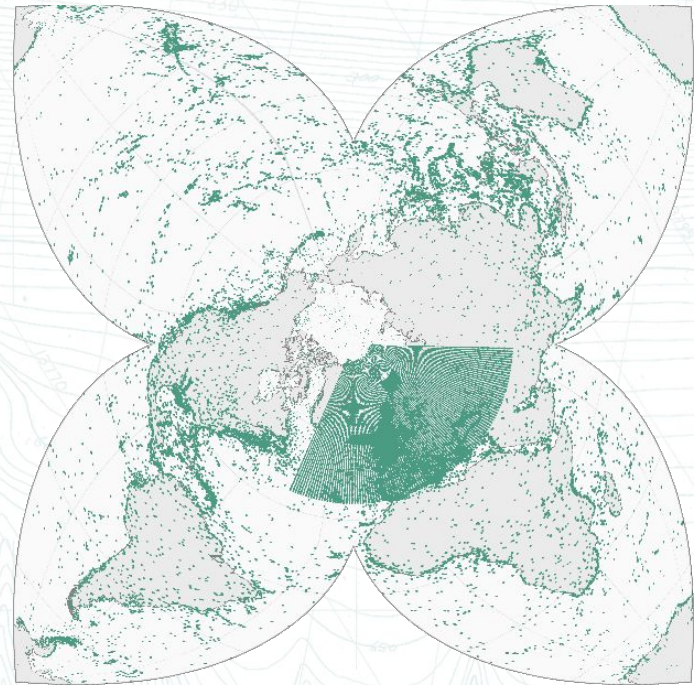
Outline

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

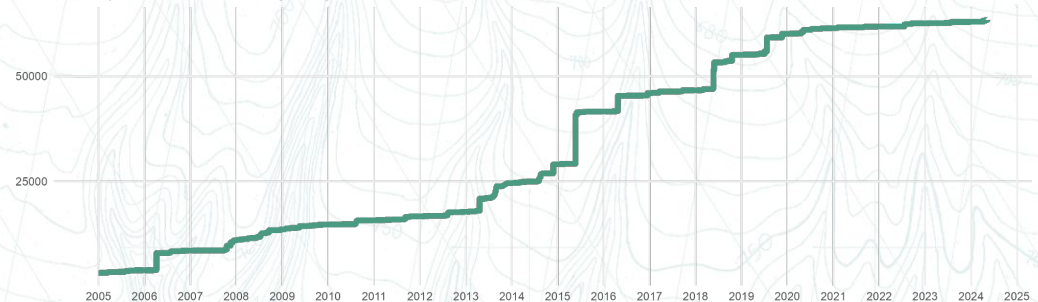
Marine Regions gazetteer

Introduction

- Standard list of marine georeferenced place names and areas.
- **63,370** 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



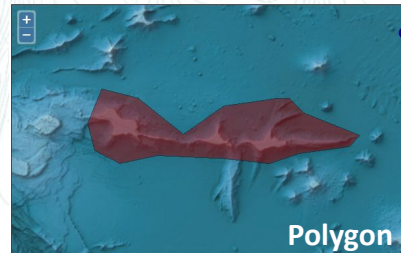
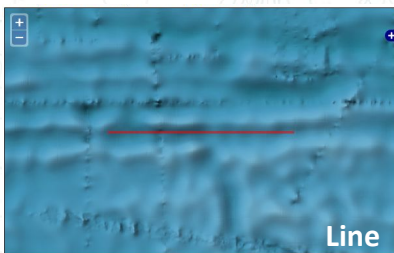
Marine Regions gazetteer

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.



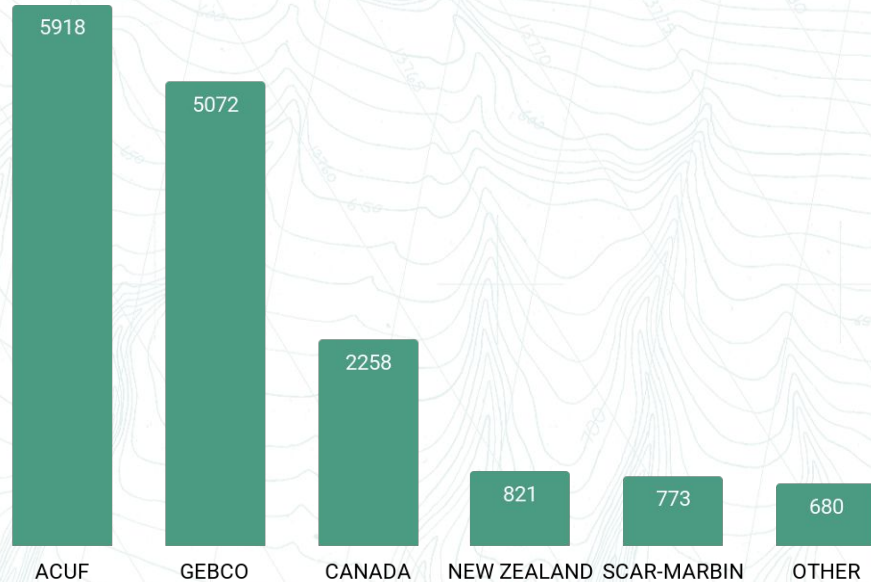
Geometry



Marine Regions gazetteer

Introduction

- **12045 undersea features** records in Marine Regions



Undersea features

GEBCO update

- **133 new features** added to Marine Regions, mainly from SCUFN-36 but also from SCUFN-34.
- Issues found:
 - a. For several features, the Generic Type seems to have changed since their initial integration in the Marine Regions database (in order to align with external gazetteers such as ACUF/NZGB?). In a few cases, the new Generic Type does not correspond to the feature type in the parallel database, so it is unclear if and how the feature should be adjusted in the Marine Regions gazetteer. Could you please provide clarity?

Generic Type (old)	Generic Type (new)	Feature Type	featureId	Specific Term
Seachannel/Sea Channel	Channel	Seachannel (ACUF/NZGB)	2522	Pūkākī
		Seachannel (ACUF)	381	Bounty
		Seachannel (ACUF)	6175	Hikurangi
		Seachannel (NZGB)	6181	Karitāne
Plain	Abyssal Plain	Plain (ACUF)	2737	Sardino-Balearic

Undersea features

GEBCO update

- **133 new features** added to Marine Regions, mainly from SCUFN-36 but also from SCUFN-34.
- Issues found:
 - b. For the feature Niglik Valley (featureId = 889981), it is not entirely clear if the Generic Type of the given feature can be considered similar to the Feature Designation (submarine valley(s)) for the feature with identical name in the ACUF gazetteer (UFI = -154665). For now, we have integrated them under the same MRGID. Could you please confirm or deny?
 - c. For the feature Tingmiark Valley (featureId = 889980), it is not entirely clear if the Generic Type of the given feature can be considered similar to the Feature Designation (submarine valley(s)) for the feature with identical name in the ACUF gazetteer (UFI = -155795). For now, we have integrated them under the same MRGID. Could you please confirm or deny?
 - d. For feature Benham Bank (featureId = 889703) it is not entirely clear if the Generic Type of the given feature can be considered similar to the feature designation in the ACUF gazetteer (seamount, UFI = -152581). Because both classifications diverge significantly, this object has not yet been integrated into the Marine Regions database. Could you please provide clarity?

Undersea features

ACUF update

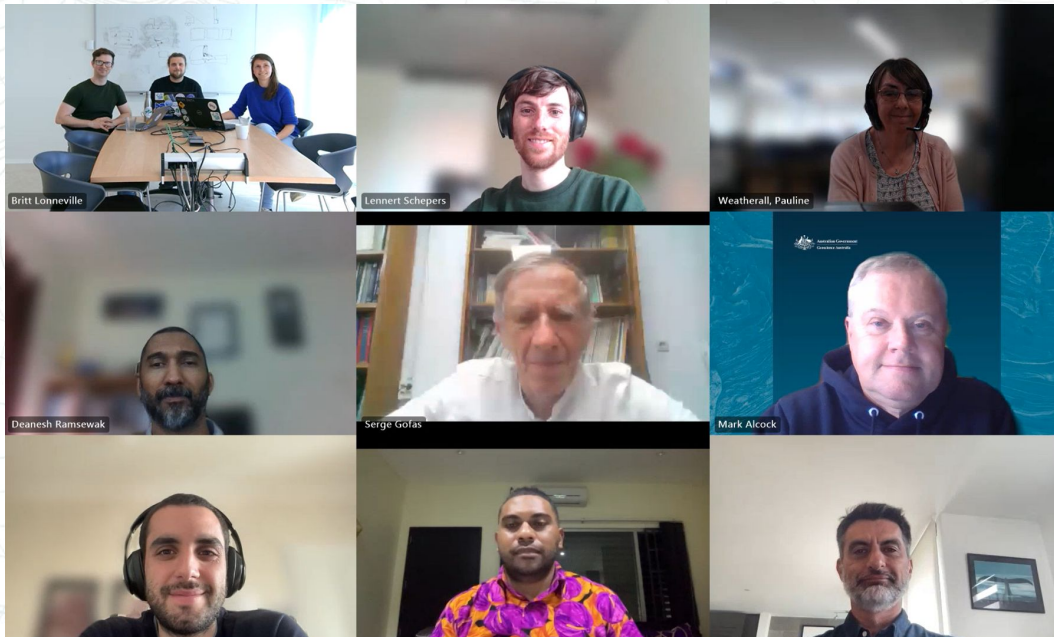
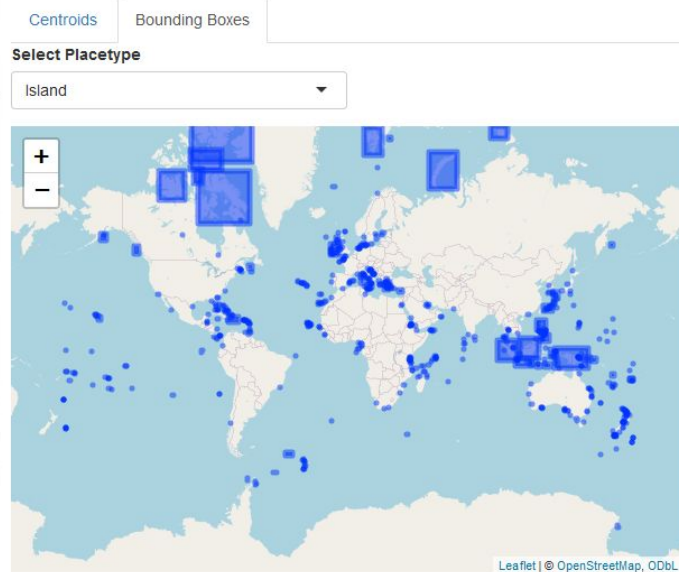
- **5 new features** added to Marine Regions.
- Issues found:
 - a. See issue GEBCO a.
 - b. See issue GEBCO b.
 - c. See issue GEBCO c.
 - d. See issue GEBCO d.
 - e. Please also refer to previous reports for outstanding issues.

Other updates

UN Ocean Decade activities

- Quality Control dashboard & Editorial Community Introductory meeting

Marine Regions Placetype Maps



Other updates

mregions R package under review

mregions2: Access Data from Marineregions.org: The Marine Regions Gazetteer and the Marine Regions Data Products #590

New issue

Open

13 of 29 tasks

salvafern opened this issue on Apr 26, 2023 · 55 comments



salvafern commented on Apr 26, 2023 · edited by ropensci-review-bot

Submitting Author Name: Salvador Fernández Bejarano
Submitting Author Github Handle: [@salvafern](#)
Other Package Authors Github handles: (comma separated, delete if none) [@lottepohl](#)
Repository: <https://github.com/lifewatch/mregions2>
Version submitted:
Submission type: Standard
Editor: [@joolia](#)
Reviewers: [@Kattuvan](#), [@sheilasaia](#)

Due date for [@Kattuvan](#): 2023-06-20
Due date for [@sheilasaia](#): 2023-06-21
Archive: TBD
Version accepted: TBD
Language: en

- Paste the full DESCRIPTION file inside a code block below:

```
Package: mregions2
Type: Package
Title: Access Data from Marineregions.org: The Marine Regions Gazetteer and the Marine Regions Data Products
```

Assignees

[@joolia](#)

Labels

5/awaiting-reviewer(s)-response

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

9 participants



Short-termed planned activities for Marine Regions

- UN Ocean Decade activities
- Maritime Boundaries v12 derived products (High Seas,...)
- Further contact with JCUFN for integration

Thanks for listening!

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 [@marineregions](https://twitter.com/marineregions)



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towards a standard for georeferenced marine names