

Undersea Feature Name Project Team And Detection of Undersea Features

SCUFN-37 24 - 28 June 2024 Je-Ju Island, Republic of Korea

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Membership of UFNPT

Member	Country	E-Mail
Britt Lonneville (Chair of S-130 PT)	Belgium	britt.lonneville@vliz.be
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Anna Hendi (Chair UFNPT)	Canada	anna.hendi@dfo-mpo.gc.ca

Update of UFNPT Work Plan 2023/2024

				P-Pending	Contact Person (s) *Indicates leader	
Task	H-High	Start Date	End Date	O-Ongoing		
	M-Medium			C-Completed		
1. Update objectives, as						
per the direction given	Н	23-Nov	23-Dec	N/A	A. Hendi	
by SCUFN						
2. Update Terms of						
Reference of the	Ц	23-Nov	23-Dec	(in draft form, see Annex 1)	A. Hendi	
UFNPT, as per direction	11					
from SCUFN						
3. Work with the						
Horizontal Resolution	Μ	23-Aug	TBD	0	Mike Coffin	
Project Team						
4.Collaborate with						
Ocean Decade project						
of Detection of	Μ	24-Jan	24-Dec	0	A. Hendi	
Undersea Features, as						
per the Project Plan						
5. Update the UFNPT						
website to show all of	М	24-lun	24-Oct	P	A Hendi	
the documents shared		24 3011	24 000	·	A. Hendi	
to date						
6. Create an update for						
SCUFN 37 and plan for	Μ	24-Jun	24-Sep	C	A. Hendi	
2025						
7.Select a new Chair for	н	TBD	SCLIEN 37	P	SCLIEN 37	
the UFNPT			300 N 37	I I	3COFN 37	

Terms of Reference of UFNPT (2024)

Undersea Feature Names Project Team (UFNPT) Terms

of Reference and Rules of Procedure

References:

- 1. 36th meeting of SCUFN, Wollongong, Australia, November 2023.
- 2. 29th meeting of SCUFN, Boulder, Colorado, USA, September 2016, endorsed by HSSC-8.
- 3. IHO CL 30/2017 dated 3 April Composition of the GEBCO SCUFN UFNPT

1. Objective

- a. Develop S-100 Product Specifications for UF and register SCUFN terms in the IHO GI registry
- b. Design an accessible repository for methods of detection of undersea features.
- c. Explore managing a database/catalogue of undersea features detected from the DCDB and that qualify for official naming but have yet to be named.

Undersea Feature Names Project Team (UFNPT) Terms

of Reference and Rules of Procedure (2024)

References:

- 1. 36th meeting of SCUFN, Wollongong, Australia, November 2023.
- 2. 29th meeting of SCUFN, Boulder, Colorado, USA, September 2016, endorsed by HSSC-8.
- 3. IHO CL 30/2017 dated 3 April Composition of the GEBCO SCUFN UFNPT

1. Objective

a) Consider Doc. SCUFN28-06B "Development of an S-100 Product Specification for Undersea Feature Names and Registering SCUFN terms in the IHO GI Registry"

b) Collaborate on behalf of SCUFN with Ocean Decade project of Detection of Undersea Features, as per the Project Plan signed by SCUFN Chair.

c) Collaborate with other teams of SCUFN for the improvement of UF definitions and naming.

2. Authority

The Project Team for Undersea Feature Names (SCUFN PT) reports to the IHO-IOC GEBCO SubCommittee on Undersea Feature Names, SCUFN. The Terms of Reference and Rules of Procedure of SCUFN apply.

3. Composition and Chair

a) The Undersea Feature Names Project Team (SCUFN PT) shall comprise representatives of IHO Member States (MS), IHO-IOC GEBCO Subject Matter Experts, Expert Contributors (EC) and observers from accredited NGIOs. The IHO Secretariat may also be represented. A membership list shall be maintained and posted on the IHO website.

b) EC membership is open to entities and organizations that can provide relevant and constructive contribution to the work of the SCUFN PT. ECs shall seek approval of their membership from the Chair of the SCUFN PT.

c) EC membership may be withdrawn, in the event that a majority of SCUFN PT members agree that an EC's continued participation is either irrelevant or not constructive to the work of the SCUFN PT. d) The Chair of the SCUFN PT is designated by the parent body.

e) If a Secretary is required, he/she should normally be drawn from a member of the SCUFN PT.

4. Procedures

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a) The SCUFN PT should work primarily by written correspondence and teleconferences.

 b) Decisions should be made by consensus. Dissenting opinions, if any, should be reflected in the SCUFN PT report.

Update of Tasks from Project Plan for Detection of Undersea Feature





021 United Nations Decade of Ocean Science for Sustainable Development

Detection of Undersea Features Key Outputs

The key outputs from the Project Implementation Plan of project of Detection of Undersea Features:

a) **Methodology for detecting undersea features** and a repository of these methods that could be used and re-used by other Hydrographic Offices and by the larger science community to uncover UFs from digital data. (Ongoing)

b) Criteria for the application of Deep Learning and to further contribute to the **development of an S-100 specification for undersea features.** (S-100 planned for 2025)

c) A database of **unofficially named undersea features**. (Seems to be the objective of the SCUFN Naming 2030 Sub-Group)

Deep Learning, next steps

- DCDB is official repository of Ocean Decade data
- Data at DCDB, not increased
- Explore the use of AI to detect UFs
- Presently exploring altimetry



	Task	H-High M-Medium	Start Date	End Date	P-Pending O-Ongoing C-Completed	Contact Person (s) *Indicates leader
Undersea Feature Name Proiect	1. Finalize Terms of Reference of the UFNPT, as per direction from SCUFN	Н	June 2024	December 2024		A. Hendi
	2. Re-start the development of S-100 Product Specification for Ufs	Н	November 2024	November 2026		TBD
	3.Work with the Horizontal Resolution Project Team	Μ	June 2024	June 2025	0	Mike Coffin
Team	4. Work with Naming 2030 Sub-Group to identify a test case of data flow of unofficially named Ufs, from source contributor to the repository of of data, by using an ID	Μ	June 2024	November 2025		TBD
Work Plan 2024-2025	5. Collaborate with Ocean Decade project of Detection of Undersea Features, as per the Project Plan	Μ	June 2024	June 2025	0	A. Hendi
	6. Update the UFNPT website to show all of the documents shared to date	Μ	June 2024	October 2024		A. Hendi
	7. Create an update for SCUFN 38 and plan for 2026	Μ	June 2024	September 2025		TBD

Thank you / Merci

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