OBPS ENDORSEMENT REVIEW RECOMMENDATION SUMMARY

This is a summary of reviewers assessment of whether the endorsement application has followed the OBPS Endorsement Process. The applicant is responsible for assessment of the technical content of the method proposed for endorsement.

Practice being submitted for OBPS Endorsement

Vinci, M., Giorgetti, A., Galgani, F., Moncoiffe, G., Fichaut, M., Molina Jack, M.E., Schlitzer, R., Hanke, G., Schaap,D., Partescano, E. and Le Moigne, M. (2021) *Guidelines and formats for gathering and management of micro-litter data sets on a European scale (floating and sediment micro-litter). Version 0.2, 08/07/2021*. EMODnet Chemistry, 27pp. DOI: https://doi.org/10.6092/d3e239ec-f790-4ee4-9bb4-c32ef39b426d

https://repository.oceanbestpractices.org/handle/11329/961.2

Section 1 Endorsement Entity Description	Entity Input	Review compliance decision (Yes or No)		
		Rev1	Rev2	Rev3
Entity name	EMODnet Chemistry	Yes	Yes	Yes
Mission & background	EMODnet is a long-term initiative launched by the European Commission's Directorate- General for Maritime Affairs and Fisheries (DG MARE) as part of its Marine Knowledge 2020 strategy and dedicated to facilitating the discovery and access to marine data and data products. There are seven main themes: bathymetry, biology, chemistry, geology,	Yes	Yes	Yes

	human activities, physics, and seabed habitats. In the European Commission's 2012 Green Paper, a vision and target for the accessibility and interoperability of marine knowledge in 2020 was set out, which has been achieved by now having for each of the themes an EMODnet **gateway** to a range of data archives. The EMODnet Chemistry thematic group provides access to metadata and data from chemistry measurements on a global scale from more than 60 data providers from Europe, comprising marine research institutes and environmental agencies and departments. There are also available metadata and a range of derived data products, such as harmonized and validated data collections and associated basin maps for eutrophication, contamination, and marine litter, with a focus on European seas and MSFD regions. Moreover, the portal gives dedicated and expert guidelines and access to tools and services for managing and validating marine chemistry observation data sets in a FAIR and fit-for-purpose way, developed over time by the EMODnet Chemistry consortium, in cooperation with SeaDataNet, and in dialogue with the MSFD community and leading experts in chemistry and marine data management. The EMODnet Chemistry scope is extremely **wide** in the range of parameters, addressing high heterogeneity and complexity. There are 3 matrices (water, sediment, biota) for 16 groups of variables (such as fertilisers, heavy metals, polychlorinated biphenyls, and others, including macro and micro litter in the sea, on the seafloor and on beaches) each having			

	multiple parameters, measurement methods, laboratory methods, collection protocols, instruments used etc. different data distributions in time and space. environmental and research data in the different countries and data are provided with heterogeneous data policy			
Administration / funding source	European Commission (EC) Directorate-General Maritime Affairs and Fisheries (DG MARE) under the European Maritime, Fisheries and Aquaculture Fund (EMFAF)	Yes	Yes	Yes
Other partnering / supporting entities for practice	JRC, EU - Technical Group on Marine Litter TGML, DG-ENV, MOEJ Japan (Ministry of Environment), GPML (UNEP}	Yes	Yes	Yes
Section 2 Statement by Entity	**Entity input**	**Review compliance decision (Yes or No)**		
		Rev1	**Rev2**	**Rev3**
1) qualifications to endorse a practice	EMODnet is a long-term initiative launched by the European Commission's Directorate-General for Maritime Affairs and Fisheries (DG MARE) as part of its Marine Knowledge 2020 strategy and dedicated to facilitating the discovery and access to marine data and data products. The marine litter data management experience of EMODnet Chemistry is based on a robust preliminary analysis of the status of the art at EU level regarding consolidated communities, formats and protocols to rely where available on the already existing best practices. In this framework the EMODnet Chemistry consortium developed the following Guidelines and formats for		Yes	

	gathering and management of micro-litter data sets on a European scale			
2) justification for the endorsement of the practice	Given the global interest and efforts to tackle this environmental issue, the adoption of standard forms and guidelines for marine litter data management can be a way forward to understand the global landscape of this topic and to adopt the right countermeasures to mitigate risks and damages to the ecosystems.		Yes	
3) the process used to develop the practice	Analysis of the status of the art of the already existing best practices or consolidated communities when available; revision, support, and agreement by the relevant stakeholders and communities involved like TGML and Regional Sea Conventions		Yes	
4) the review process that was used to prepare the endorsement recommendation.	Revision, support, and agreement by the relevant stakeholders and communities involved like TGML and Regional Sea Conventions		Yes	
Section 3 Endorsement Documentation	**Entity input**	**Review compliance decision (Yes or No)**		
		Rev1	**Rev2**	**Rev3**
Date submitted for endorsement acceptance: YYYY-MON-DAY	2024-09-19 updated 2025-03-03	Yes	Yes	Yes
Endorsed Practice				

document citation				
Creators (all)	M. Vinci, A. Giorgetti, F. Galgani, G. Moncoiffe, M. Fichaut, M.E. Molina Jack, R. Schlitzer, G. Hanke, D. Schaap, E. Partescano, M. Le Moigne	Yes	Yes	Yes
Year	2021	Yes	Yes	Yes
Title	Guidelines and formats for gathering and management of micro-litter data sets on a European scale (floating and sediment micro-litter). Version 0.2, 08/07/2021	Yes	Yes	Yes
Publisher or Journal Ref	EMODnet Chemistry	Yes	Yes	Yes
Number of Pages	27pp.	Yes	Yes	Yes
Persistent identifier - eg. DOI, URI	https://doi.org/10.6092/d3e239ec-f790-4ee4-9bb4-c32ef39b426d https://nodc.ogs.it/catalogs/doidetails;jsessionid=B08F6F5ABADC549056DD4D955719BB5A?0-1.-doiDownloadFiles-0-fileDownload&doi=10.6092/d3e239ec-f790-4ee4-9bb4-c32ef39b426d	Yes	Yes	Yes
Version Number (if applicable)	Version 0.2	Yes	Yes	Yes
Section 4 Endorsement process and justification	**Entity input**	**Review compliance decision (Yes or No)**		
		Rev1	**Rev2**	**Rev3**
1. have completed a rigorous and transparent community review whereby comments	YES: The major part of the review process was done under JRC and TGML. In addition, the guidelines were reviewed in cooperation with HELCOM Blues and ICES. The document is published in OBPS and available to the public.	Yes	Yes	Yes

received are adjudicated by the author(s) and the dialogue is available upon request; community review includes invitations to relevant experts/organizations to participate in deliberations				
2. have been successfully used by multiple organizations	YES: all through EU member states.	Yes	Yes	Yes
3. be approved by the leadership of the relevant network, expert team or organization;	YES: EMODnet and TGML	Yes	Yes	Yes
4. be shown as fit for the purposes it aims to fulfill;	YES: The purpose is support of the MSFD by providing instructions and rules for providing quality data sets for microliter. This has been widely adopted throughout the EU countries.	?	Yes	Yes
5. be available and identifiable within the OBPS repository	YES: https://repository.oceanbestpractices.org/handle/11329/961.2	Yes		Yes

6. be updated at relevant timeframes or have a maintenance plan for future updates;	YES: Updates follow the stakeholders timing and upon needs and requests of stakeholder groups such as TGML. Microlitter is a young topic and the goal is to balance the update needed and the stability of the guidance.	Yes	Yes	Yes
7. include description of estimating uncertainty or heterogeneity of a quantity (if applicable);	YES: The purpose of this document is to provide instructions and rules for preparing quality data sets for microlitter, there is no uncertainty relating to this document as there would be a practice on ocean measurements. Managing uncertainty for metadata and data are done by defining mandatory or optional fields in the data format guidance. This addresses uncertainty of the structure of the data and metadata formats	Yes	No	Yes
8. follow recommendations for metadata standards and file formats for archiving in international data centers;	YES: The metadata standards follow OBPS guidelines. The document updates will follow ISO or other standard formats once they are openly available	Yes	No	Yes

Reviewers Individual Decisions	**Rev1 - YES**	**Rev2 - YES**	**Rev3 - YES**

Endorsement <u>Group</u> Decision:

Recommended for Endorsement

Decision Date……03 March 2025…….

Applicant Informed Date …18 March 2025……..