



Dear colleague,

We are pleased to send you the third newsletter of the IDEM project (“Implementation of the MSFD to the DEep Mediterranean Sea”). The IDEM project involves institutional partners of the Mediterranean area from EU and non-EU countries. The IDEM consortium is composed by 9 partners belonging to 6 countries: Università Politecnica delle Marche (coordinator, UNIVPM, Italy), Consiglio Nazionale delle Ricerche (CNR, Italy), Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC, Spain), Department of Fisheries and Marine Research - Ministry of Agriculture, Rural Development and Environment (DFMR, Cyprus), Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile (ENEA, Italy), Institut Français de Research pour l'Exploitation de la Mer (IFREMER, France), Tel Aviv University (TAU, Israel), Universitat de Barcelona (UB, Spain) and University of Malta (UM, Malta).

The two-years project IDEM (started in 2017 April) has been funded by DG Environment of the European Commission through the call “Implementation of the Second Cycle of the Marine Strategy Framework Directive: achieving coherent, coordinated and consistent updates of the determinations of Good Environmental Status, Initial Assessments and Environmental Targets”.

The IDEM project website www.msfd-idem.eu provides information on news, main activities in progress, expected results, research products, and events. Stakeholders are welcome for the establishment of a participatory multi-actor dialogue among researchers, policy makers, civil society organisations, NGOs and citizens.

New report!

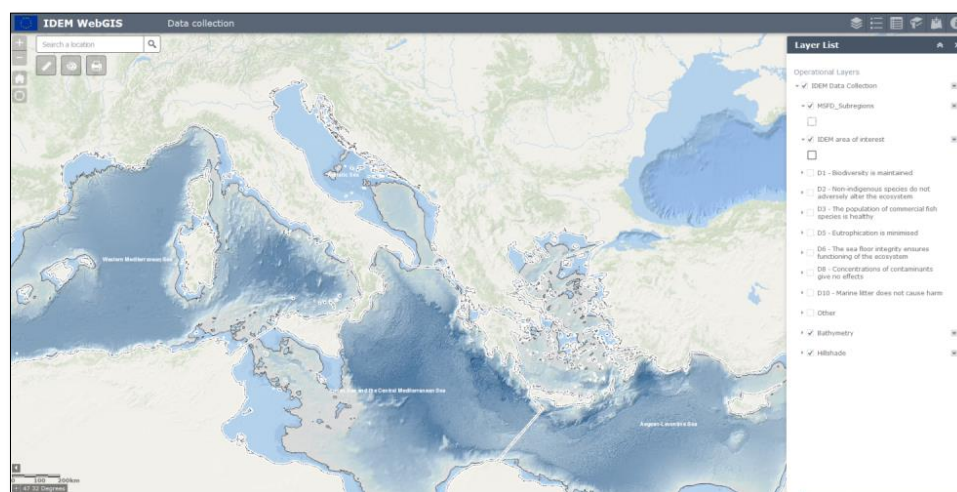
We are pleased to share a new IDEM report, available in our project website www.msfd-idem.eu (Section Research products → deliverables):

Report 2.1. “Review and collection of the available datasets on indicators and human pressures/impacts on Mediterranean deep-sea ecosystems”. Leader: ENEA-UNIVPM. Participants: CNR, CSIC, DFMR, IFREMER, TAU, UB, UM (<http://doi.org/10.12910/EAI2018-074>).

IDEM WebGIS

The IDEM WebGIS is ready and accessible for all partners and general public. The WebGIS application portal combines Geographic Information Science (GIS) principles and tools to harmonize a relatively large and multi-dimensional datasets. The tool combines intelligent web maps with graphs, charts, tables, and text to unlock, make accessible and re-usable the data in a coordinated manner.

All available data from previous and ongoing projects, initiatives and European infrastructures related to the MSFD descriptors for the deep sea (where deep sea is intended below 200 m water depth) were collected and integrated in a Geodatabase accessible through the [IDEM WebGIS](#). We also integrated data coming from IDEM partners, following the established project data policy and the data management workflow.



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Forthcoming event

Following the IDEM workshop held in Malta in September 2018, the next presentation of the IDEM project will take place in France, in the meeting “*Communication du projet européen IDEM (Implementation of the MSFD to the Deep Mediterranean Sea)*” vers les pilotes scientifiques et les responsables de la DCSMM”, organized by the Institut français de recherche pour l'exploitation de la mer (Ifremer).

Dates and places:

1. Tuesday October 23, 2018 - DIRM, 16 rue Antoine Zattara, (Marseille);
2. Wednesday, October 24, 2018 - Ifremer - Center of Mediterranean (Toulon).

The meeting will be focused on MSFD descriptors in the Mediterranean Sea, not only regarding deep-sea ecosystems. It will provide the opportunity to share know-how on the possibility to use Mediterranean deep-sea data and approaches to calculate indicators for several descriptors. In this context, IDEM will be

presented by project partners to scientists, authorities and stakeholders. The meeting will involve representatives of the French Minister in charge of applying the Marine Strategy in France, i.e. DIRM Méditerranée, Ministère de la Transition écologique et solidaire, and French stakeholders involved in MSFD implementation. Expectations and needs (at national and / or regional level) for the integration of the deep Mediterranean domain in assessments regarding MSFD will be discussed.

Recent IDEM events

➤ *IDEM Workshop "First assessment of the deep Mediterranean environmental status"*



The IDEM workshop "*First assessment of the deep Mediterranean environmental status*" was held at the University of Malta, Valletta Campus (5 – 7 September, 2018) with the successful participation of project partners and stakeholders.

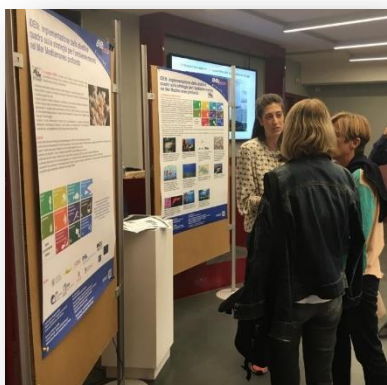
The workshop represented a good opportunity to discuss about the IDEM activities taking into account the up-to-date knowledge referring to the MSFD descriptors in the Mediterranean deep sea and the advances concerning the implementation of the directive. In this context, the contribution of stakeholders in regard to ongoing

European projects (as Medcis, Quietmed, Atlas and Indicit) allowed to share knowledge and novelties in the field of marine environmental protection.

“Valletta Declaration”

The IDEM project coordinator (Prof. R. Danovaro), the project team and the stakeholders participating at the meeting agreed to jointly sign a call to the Member and Associated States, the European Commission and the Parliament for a transnational cooperation for implementing the Marine Strategy Framework Directive in the deep Mediterranean Basin: the “Valletta Declaration”. This document, written during the progress of the workshop, highlights the need for a transnational cooperation to build the synergies in research efforts, the building capacity and standardisation of future data collected, and an holistic approach across the entire Mediterranean Sea.

➤ *European Researchers' Night*



The European Researchers' Night is an initiative promoted by the European Commission since 2005 which involves thousands of researchers and research institutions each year in all European countries. The aim is to create opportunities for researchers and citizens to meet in order to spread scientific knowledge and knowledge of research professions in an informal and stimulating context. A presentation of the IDEM project was done during the European Researchers' Night (Sept. 28, 2018) at the Open Day carried out in ENEA Casaccia Research Centre (Rome). Objectives and activities in progress were successfully displayed to both researchers and wide public.

Publications

➤ *Articles, abstracts, reports*

- Junqué E., Garí M., Llull R.M. and Grimalt J.O. (2018). Drivers of the accumulation of mercury and organochlorine pollutants in Mediterranean lean fish and dietary significance. *Science of the total Environment* 634: 170-180. [Abstract](#)
- Llull R.M., Garí M., Canals M., Rey-Maqueira T., Grimalt J.O. (2017). Mercury concentrations in lean fish from the Western Mediterranean Sea: Dietary exposure and risk assessment in the population of the Balearic Islands. *Environmental Research* 158: 16–23. [Abstract](#)
- Levin N., Kark S. and Danovaro R. (2017). Adding the Third Dimension to Marine Conservation. *Conservation letters* September 2017: 1-14. [Abstract](#)
- Salvadó J.A., Grimalt J.O., López J.F., Palanques A., Heussner S., Pasqual C., Sanchez-Vidal A. and Canals M. (2017). Transfer of lipid molecules and polycyclic aromatic hydrocarbons to open marine waters by dense water cascading events. *Progress in Oceanography* 159: 178-194. [Abstract](#)
- Fabri M.C., Brind'Amour A., Jadaud A., Galgani F., Vaz S., Taviani M., Scarcella G., Canals M., Sánchez A., Grimalt J., Galil B., Goren M., Schembri P., Evans J., Fanelli E., Carugati L., Danovaro R. (2018). Review of literature on the implementation of the MSFD to the deep Mediterranean Sea. IDEM project, Deliverable 1.1. <http://doi.org/10.13155/53809>

➤ *Book chapters*

- Aymà A., Aguzzi J., Canals M., Company J.B., Lastras G., Mecho A., Lo Iacono C. Occurrence of living cold-water corals at large depths within the submarine canyons of the northwestern Mediterranean Sea C. Orejas and C. Jiménez (eds.): *Mediterranean CWC: past present and future*, Springer series “Coral Reefs of the world”, Springer, Berlin, Heidelberg. In press.
- Lastras G., Sánchez-Vidal A., Canals M. Discovery of a new cold-water coral habitat in La Fonera submarine canyon, Northwestern Mediterranean Sea C. Orejas and C. Jiménez (eds.): *Mediterranean*

CWC: past present and future, Springer series “Coral Reefs of the world”, Springer, Berlin, Heidelberg. In press <https://www.springer.com/us/book/9783319916071>

Links

The following are links to some websites that are worth consulting for actions and/or Projects related to the implementation of the MSFD:

- European Commission / Environment – Policies – Marine and Coast – Our Oceans, Seas and Coasts: http://ec.europa.eu/environment/marine/index_en.htm
- Support Mediterranean Member States towards coherent and coordinated implementation of the second phase of the MSFD: <http://medcis.eu>
- General Fisheries Commission for the Mediterranean (GFCM): <http://www.fao.org/gfcm/en/>
- QUIETMED - A joint programme on underwater noise (D11) for the implementation of the Second Cycle of the MSFD in the Mediterranean Sea: <http://www.quietmed-project.eu/>
- INDICIT - Implementation Of Indicators Of Marine Litter On Sea Turtles And Biota In Regional Sea Conventions And Marine Strategy Framework Directive Areas: <https://indicit-europa.eu/>
- ATLAS Project - A transatlantic assessment and deep-water ecosystem-based spatial management plan for Europe: <https://www.eu-atlas.org/>

Kind regards,

Giancarlo Morgana
IDEM Project – Task 4.2- Stakeholders inclusion



For further details see the Idem website www.msfd-idem.eu



www.twitter.com/Idemproject



<https://www.researchgate.net/project/IDEM-Project>

Feel free to contact us if you have any queries.

Contact: idemstakeholders.project@enea.it



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www.msfd-idem.eu

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