

# Boosting interoperability of EMODnet Chemistry aggregated datasets with a new point of access

Maria Eugenia Molina Jack<sup>1</sup>, Sebastian Plehan<sup>1</sup>, Luminita Buga<sup>2</sup>, Julie Gatti<sup>3</sup>, Athanasia Iona<sup>4</sup>, Martin M. Larsen<sup>5</sup>, Ann Kristin Østrem<sup>6</sup>, Matteo Vinci<sup>1</sup>, Karin Wesslander<sup>7</sup>, Dick Schaap<sup>8</sup>, Alessandra Giorgetti<sup>1</sup>

<sup>1</sup> National Institute of Oceanography and Applied Geophysics – OGS, Italy; <sup>2</sup> National Institute for Marine Research and Development "Grigore Antipa"-NIMRD, Romania; <sup>3</sup> French national institute for ocean science and technology-IFREMER, France; <sup>4</sup> Hellenic Centre for Marine Research/Hellenic National Oceanographic Data Centre - HCMR/HNODC, Greece; <sup>5</sup> Aarhus University, institute of EcoScience, Denmark; <sup>6</sup> Institute of Marine Research - IMR, Norway; <sup>7</sup> Swedish Meteorological and Hydrological Institute-SMHI, Sweden, <sup>8</sup> Maris B.V., Netherlands



**The challenge:** The FAIRness of the existing environmental data and information is crucial to provide worldwide accessible data that has become essential for research, policy and decision making.

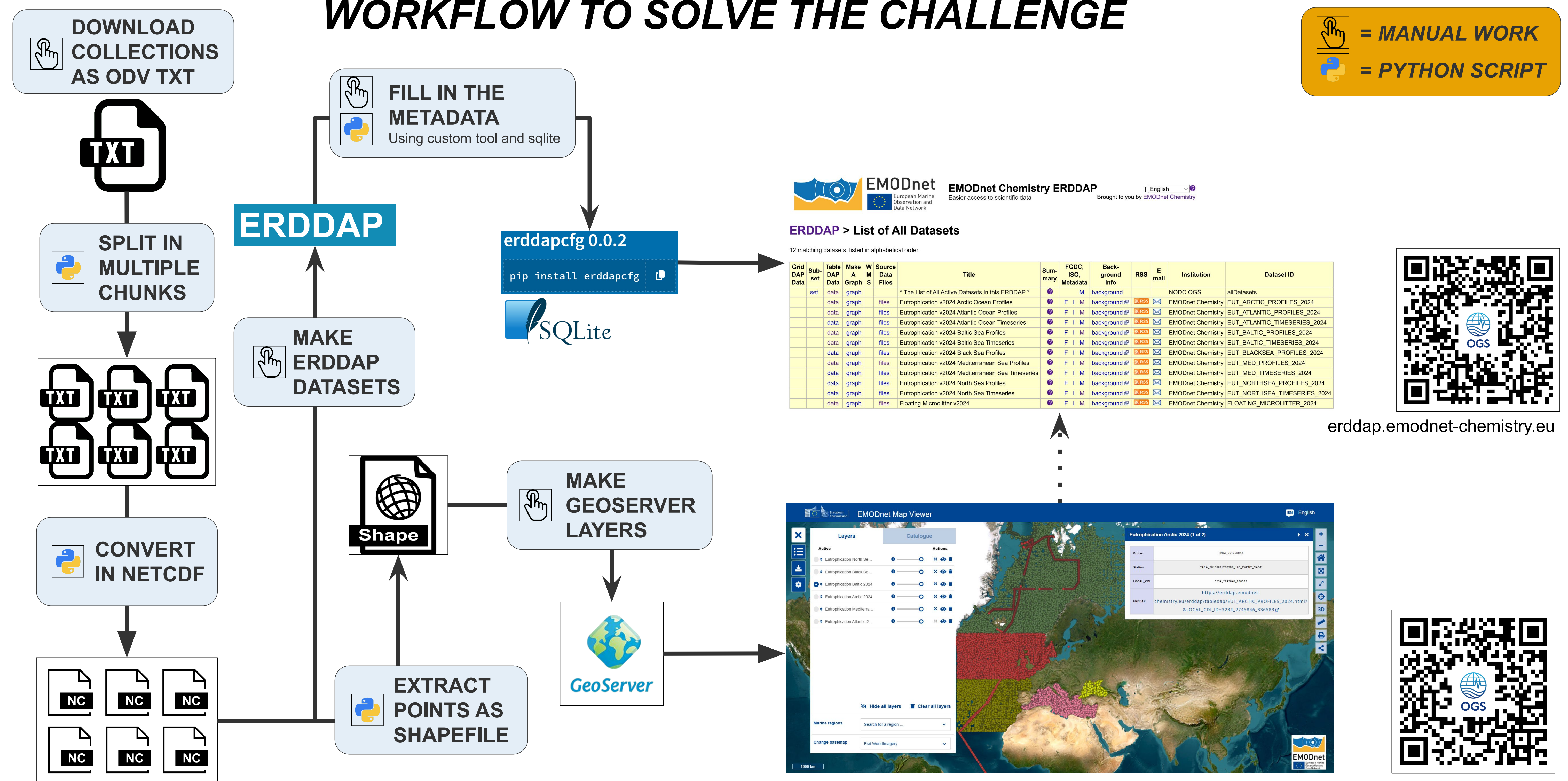
**EMODnet Chemistry** thematic discipline works on providing FAIR data and information relevant to eutrophication, pollution by hazardous substances and litter, delivering annually validated thematic datasets

An interoperable access point through **ERDDAP** has been set up to ensure machine to machine access

**ERDDAP** was chosen because:

- open-source
- simple and user-friendly
- allows downloading data in different formats
- it can be linked to other ERDDAPs

## WORKFLOW TO SOLVE THE CHALLENGE



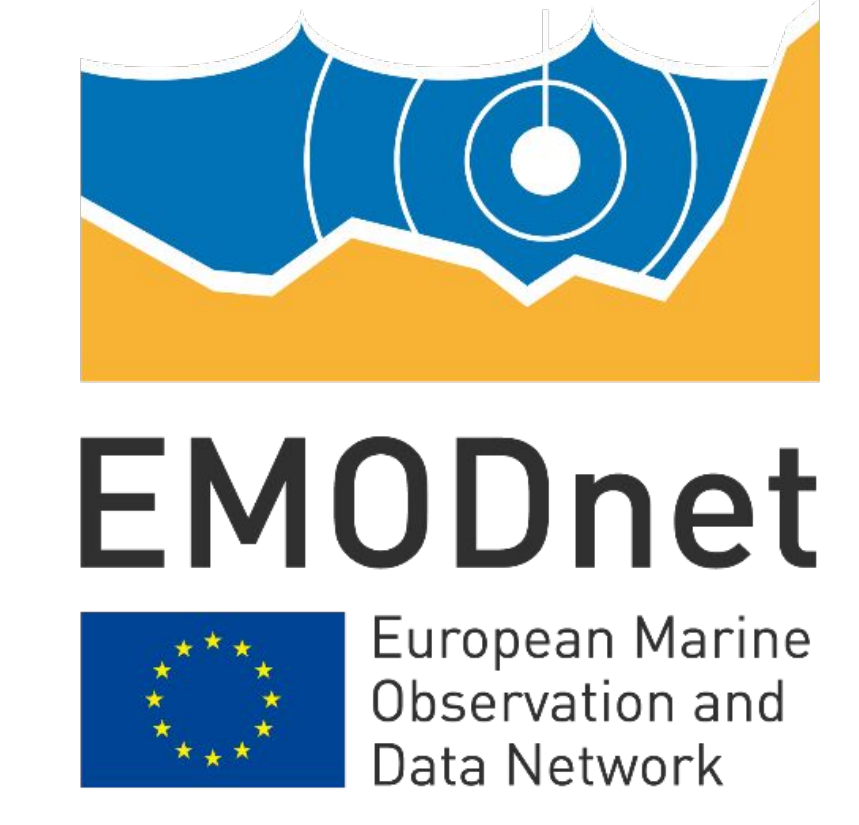
erddap.emodnet-chemistry.eu



emodnet.ec.europa.eu/geoviewer/



CHEMISTRY



emodnet.ec.europa.eu

The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund.

