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Learn more about this Workbench



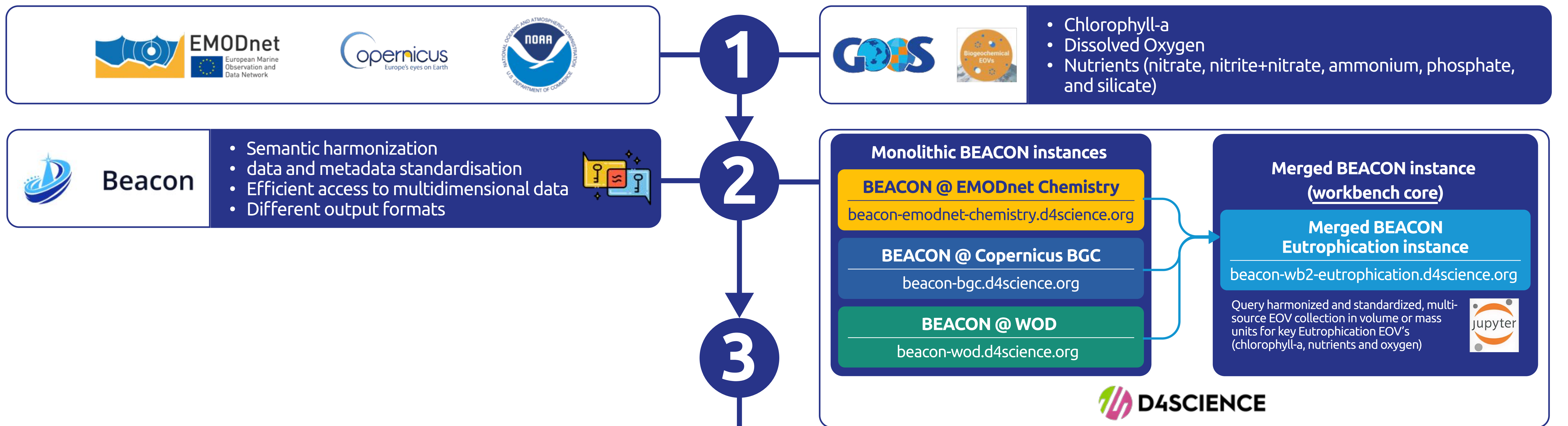
Essential Ocean Variables (EOVs) are critical for ocean monitoring and policy, yet remain fragmented across infrastructures such as EMODnet, Copernicus, and the World Ocean Database (WOD), limiting interoperability and reuse.

Blue-Cloud 2026 addresses this challenge through cloud-based workbenches built on the D4Science infrastructure, enabling the harmonisation and integration of large marine datasets. The eutrophication workbench combines multi-source data using BEACON, supports exploration via webODV, and applies dedicated tools (CWdt, File Forge) for duplicate detection and handling.

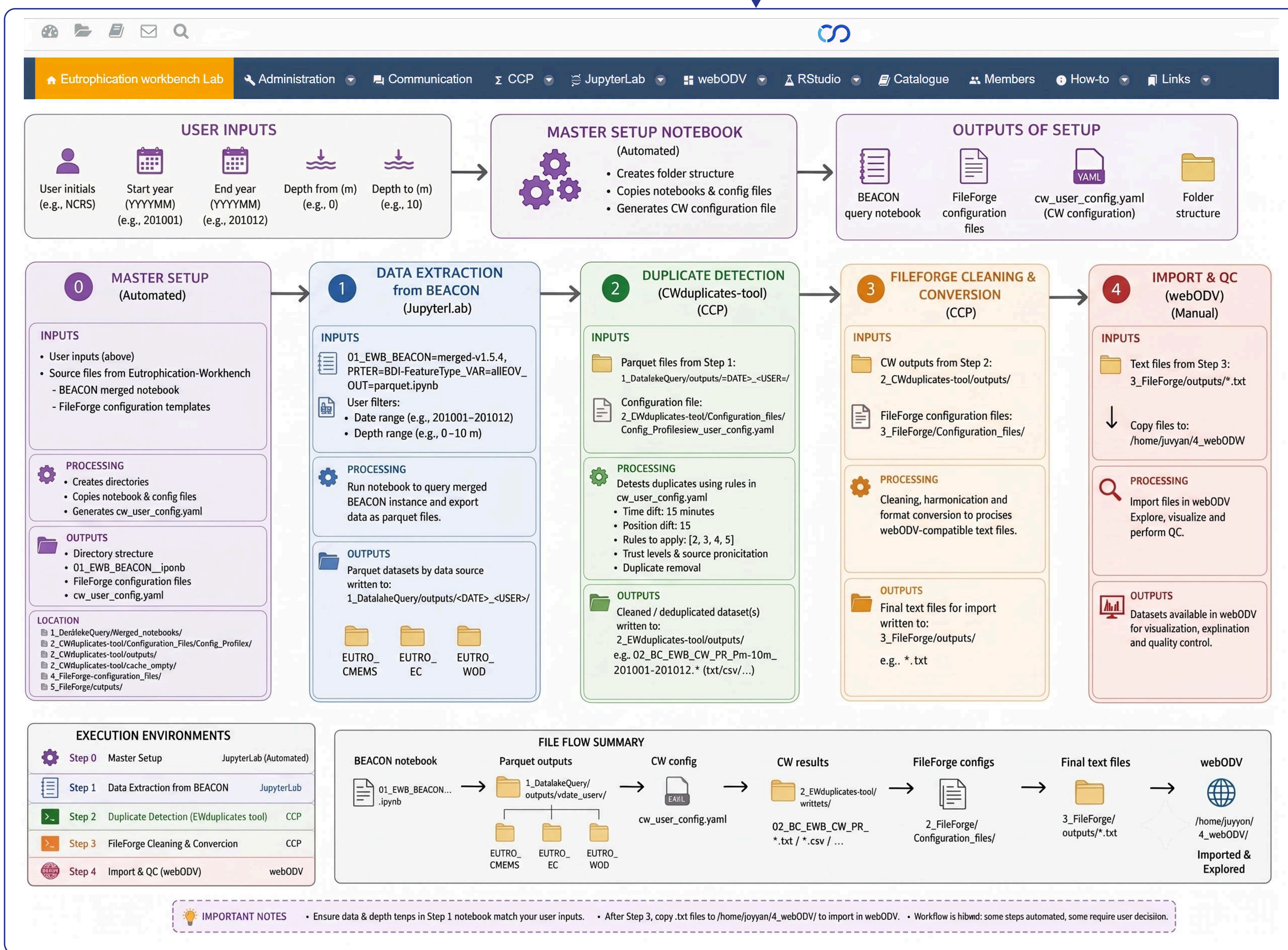
This approach delivers scalable, reproducible workflows and high-quality, harmonised and standardized EOVS datasets in biogeochemistry, supporting eutrophication assessment in European and global initiatives such as the EDITO, EOSC, SDG 14, MSFD, and the EU Mission Ocean and Waters.

Blue data infrastructures

EOV selection



EWB User workflow



Developed in collaboration with:



Watch the Interview!

Scan to visit the EWB VLab

