

FILE 2 - Predicted data

List of additional proxy used to increase the resolution and accuracy of the model retrieved from the Copernicus Marine Service (<https://marine.copernicus.eu/>)

Product identifier: MEDSEA_MULTIYEAR_PHY_006_004

Product name: Mediterranean Sea Physics Reanalysis

01/01/1987-01/01/1988

DOI (Product): https://doi.org/10.25423/CMCC/MEDSEA_MULTIYEAR_PHY_006_004_E3R1

References:

- Escudier, R., Clementi, E., Omar, M., Cipollone, A., Pistoia, J., Aydogdu, A., Drudi, M., Grandi, A., Lyubartsev, V., Lecci, R., Cretí, S., Masina, S., Coppini, G., & Pinardi, N. (2020). Mediterranean Sea Physical Reanalysis (CMEMS MED-Currents) (Version 1) [Data set]. Copernicus Monitoring Environment Marine Service (CMEMS). https://doi.org/10.25423/CMCC/MEDSEA_MULTIYEAR_PHY_006_004_E3R1
- Escudier, R., Clementi, E., Cipollone, A., Pistoia, J., Drudi, M., Grandi, A., Lyubartsev, V., Lecci, R., Aydogdu, A., Delrosso, D., Omar, M., Masina, S., Coppini, G., Pinardi, N. (2021). A High Resolution Reanalysis for the Mediterranean Sea. *Frontiers in Earth Science*, 9, 1060, <https://www.frontiersin.org/article/10.3389/feart.2021.702285>, DOI=10.3389/feart.2021.702285
- Nigam, T., Escudier, R., Pistoia, J., Aydogdu, A., Omar, M., Clementi, E., Cipollone, A., Drudi, M., Grandi, A., Mariani, A., Lyubartsev, V., Lecci, R., Cretí, S., Masina, S., Coppini, G., & Pinardi, N. (2021). Mediterranean Sea Physical Reanalysis INTERIM (CMEMS MED-Currents, E3R1i system) (Version 1) [Data set]. Copernicus Monitoring Environment Marine Service (CMEMS). https://doi.org/10.25423/CMCC/MEDSEA_MULTIYEAR_PHY_006_004_E3R1I

Product identifier: MULTIOBS_GLO_BIO_CARBON_SURFACE_REP_015_008

Product name: Global Ocean Surface Carbon

01/01/1986-01/01/1987

01/01/1987-01/01/1988.

DOI (product): <https://doi.org/10.48670/moi-00047>

References:

- Chau, T. T. T., Gehlen, M., and Chevallier, F.: A seamless ensemble-based reconstruction of surface ocean pCO₂ and air–sea CO₂ fluxes over the global coastal and open oceans, *Biogeosciences*, 19, 1087–1109, <https://doi.org/10.5194/bg-19-1087-2022>, 2022.

Product identifier: INSITU_GLO_PHY_TS_OA_MY_013_052

Product name: Global Ocean- Delayed Mode gridded CORA- In-situ Observations objective analysis in Delayed Mode

01/01/1986-01/01/1987

DOI (product): <https://doi.org/10.17882/46219>