

Deirmendjian, Loris, Lambert, Thibault, Morana, Cedric, Bouillon, Steven, Descy, Jean-Pierre, Okello, William, & Borges, Alberto. V. (2020). **Data-base of dissolved organic matter composition and reactivity in Lake Victoria, the World's largest tropical lake** [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.3908178>

Data-base of Chlorophyll-a, dissolved organic carbon (DOC) concentration and dissolved organic matter (DOM) composition (stable carbon isotope signatures, absorption and fluorescence properties) obtained from samples collected in Lake Victoria, a large lake in East Africa. Samples were collected in 2018-2019 along a bathymetric gradient (bays to open waters), during three contrasting seasons: long rainy, short rainy and dry, which corresponded to distinctly water column mixing regimes, respectively, stratified, semi-stratified and mixed regimes. Eight DOM components from parallel factor analysis (PARAFAC) were identified based on three-dimensional excitation–emission matrices (EEMs), which were aggregated into three main groups of components (C1, C5 and C7 as microbial humic-like; C2, C3 and C4 as terrestrial humic-like; C6 and C8 as protein-like).

Please note that the dataset is attached to the following paper :

Deirmendjian, L., Lambert, T., Morana, C. et al. Dissolved organic matter composition and reactivity in Lake Victoria, the world's largest tropical lake. *Biogeochemistry* 150, 61–83 (2020). <https://doi.org/10.1007/s10533-020-00687-2>