



Virginie Racapé

Date of birth: 17/05/1984 | **Nationality:** French | **Gender:** Female | **Email**

address: virginie.racape@pokapok.org

WORK EXPERIENCE

15/02/2022 – CURRENT Plouzane, France

CDI RESEARCH ENGINEER SCOP ARL POKAPOK

Co-funder and associated employee of POKaPOK
In charge of the Research and Development in the Biogeochemical marine field

06/2018 – 31/01/2022 Plouzané, France

CDD RESEARCH ENGINEER CNRS (CORIOLIS R&D)

Manage the development and the implementation of the real time BGC quality control for the Global TAC for CMEMS1 - phase 2.
Involved in the Data Assembly Center Coriolis to adjust in real time oxygen sensor of BGC argo floats.

11/2016 – 04/2018 Plouzané, France

POST-DOCTORAL CDD RESEARCHER IFREMER (LOPS)

Data validation of Deep-Argo-O 2 float in the North Atlantic
Documentation of deep-circulation in the North Atlantic Subpolar Gyre from Deep-Argo-O 2 floats (EU-funded project ATLANTOS)

03/2014 – 02/2016 Gif-Sur-Yvette, France

POST-DOCTORAL CDD RESEARCHER CEA (LSCE -IPSL)

Evaluation of the physical processes that govern observed sea surface and interior CO₂ trend in the North Atlantic Ocean (observations vs model approach – EU-funded project CARBOCHANGE)

EDUCATION AND TRAINING

08/2010 – 12/2013 France

DOCTOR IN MARINE BIOGEOCHEMISTRY University Paris VI

Address France

LANGUAGE SKILLS

Mother tongue(s): **FRENCH**

Other language(s): **ENGLISH**

ADDITIONAL INFORMATION

PUBLICATIONS

Gregoire et al., 2021. A global ocean oxygen database and atlas for assessing and predicting deoxygenation and ocean health in the open and coastal ocean, *Frontiers in Marine Science*, in review

Le Traon et al., 2020. Preparing the New Phase of Argo: Scientific Achievements of the NAOS Project. *Front. Mar. Sci.*, <https://doi.org/10.3389/fmars.2020.577408>

Leseurre C., Lo Monaco C., Reverdin G., Metzl N., Fin J., Olafsdottir S., Racapé V., 2020. Ocean carbonate system variability in the North Atlantic Subpolar surface water (1993–2017). *Biogeosciences* (17), 2556–2577, <https://doi.org/10.5194/bg-17-2553-2020>

Racapé, V., Thierry, V. Mercier, H., Cabanes. 2019. ISOW spreading and mixing as revealed by Deep-Argo floats launched in the Charlie Gibbs Fracture Zone. *JGR Oceans*, 124(10), 6787–6808 <https://doi.org/10.1029/2019JC015040>

Reverdin, G., N. Metzl, S. Olafsdottir, V. Racapé, T. Takahashi, M. Benetti, H. Valdimarsson, Alice Benoit-Cattin, M. Danielsen, J. Fin, A. Naamar, 2018. SURATLANT: a 1993–2017 surface sampling in the central part of the North Atlantic subpolar gyre. *Earth Syst. Sci. Data*, 10, 1901–1924, <https://doi.org/10.5194/essd-10-1901-2018>

Racapé, V., Zunino, P., Lherminier, P., Mercier, H., Bopp, L. and Gehlen M., 2018. Transport and storage of anthropogenic C in the Subpolar North Atlantic : Model – Data comparison. *Biogeosciences* 15, 4661–4682, <https://doi.org/10.5194/bg-15-4661-2018>

Racapé, V., Metzl, N., Pierre, C., Reverdin, G., Quay, P., Olafsdottir, S.R., 2014. The seasonal cycle of $\delta^{13}\text{C}$ DIC in the North Atlantic Subpolar Gyre. *Biogeosciences*, 11, 1683–1692. doi:10.5194/bg-11-1683-2014

Racapé, V., Pierre, C., Metzl, N., Lo Monaco, C., Reverdin, G., Olsen, A., Morin, P., Rios, A.F., Vazquez-Rodriguez, M. and Perez, F.F., 2013. Anthropogenic carbon changes in the Irminger Basin (1981–2006): Coupling $\delta^{13}\text{C}$ DIC and DIC observations. *Journal of Marine System*, <http://dx.doi.org/10.1016/j.jmarsys.2012.12.005>

Racapé, V., Lo Monaco, C., Metzl, N., Pierre, C., 2010. Summer and winter distribution of $\delta^{13}\text{C}$ DIC in surface waters of the South Indian Ocean (20°S–60°S). *Tellus B* 62, 5, 660–673. DOI: 10.1111/j.1600-0889.2010.00504.x

Racapé V., Schmechtig C., Bernard V. and Coriolis Argo DAC quality control group, 2021. Adjustment in real time (mode A) of the Coriolis Argo-O2 floats. <https://archimer.ifremer.fr/doc/00655/76709/>

Racapé V., Nilsen J. E., O, Vindenes H., Lien V., Sotiropoulou M., Periviolotis L., Gallardo A., de Alfonso M., Manzano F., Kaitala S., 2021. Real time quality control of biogeochemical measurements within Copernicus Marine in Situ TAC. <https://archimer.ifremer.fr/doc/00645/75704/>
