



Virginie Racapé

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Pépinière d'entreprise CREATIC, 115 rue Claude Chappe, 29280, Plouzane, France

● WORK EXPERIENCE

02/2022 – CURRENT – Plouzané, France

RESEARCH ENGINEER – SCOP ARL POKAPOK

Team Management

Quality control and assessment of oceanic BGC data

Involved in Copernicus 2 In situ TAC

06/2018 – 01/2022 – Plouzané, France

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 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 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

● LANGUAGE SKILLS

Mother tongue(s): **FRENCH**

Other language(s):

ENGLISH

● PUBLICATIONS

Publications in peer-reviewed scientific journal

- 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

Technical reports

- 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., Periviotis 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/>