

List of peer-reviewed publications

- [1] S. Ruiz, M. Claret, A. Pascual, A. Olita, C. Troupin, A. Capet, A. Tovar-Sánchez, J. Allen, P.-M. Poulain, J. Tintoré, and A. Mahadevan, 2019. Effects of Oceanic Mesoscale and Submesoscale Frontal Processes on the Vertical Transport of Phytoplankton. *Journal of Geophysical Research*, 124(8):5999–6014. doi:[10.1029/2019JC015034](https://doi.org/10.1029/2019JC015034). URL <https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2019JC015034>.
- [2] C. Troupin, A. Pascual, S. Ruiz, A. Olita, B. Casas, F. Margirier, P.-M. Poulain, G. Notarstefano, M. Torner, J. G. Fernández, M. A. Rújula, C. Muñoz, E. Alou, I. Ruiz, A. Tovar-Sánchez, J. T. Allen, A. Mahadevan, and J. Tintoré, Jan 2019. The AlborEX dataset: sampling of sub-mesoscale features in the Alboran Sea. *Earth System Science Data*, 11(1):129–145. ISSN 1866-3516. doi:[10.5194/essd-11-129-2019](https://doi.org/10.5194/essd-11-129-2019). URL <https://www.earth-syst-sci-data.net/11/129/2019/>.
- [3] A. Barth, A. Mahadevan, A. Pascual, S. Ruiz, and C. Troupin, 2018. The 48th Liege Colloquium: Submesoscale processes: mechanisms, implications, and new frontiers. *Ocean Dynamics*, 68(8):1067–1069. doi:[10.1007/s10236-018-1173-5](https://doi.org/10.1007/s10236-018-1173-5). URL <https://link.springer.com/article/10.1007/s10236-018-1173-5>.
- [4] A. Iona, A. Theodorou, S. Sofianos, S. Watelet, C. Troupin, and J.-M. Beckers, 2018. Mediterranean Sea climatic indices: monitoring long-term variability and climate changes. *Earth System Science Data*, 10(4):1829–1842. doi:[10.5194/essd-10-1829-2018](https://doi.org/10.5194/essd-10-1829-2018). URL <https://www.earth-syst-sci-data.net/10/1829/2018/essd-10-1829-2018.html>.
- [5] A. Iona, A. Theodorou, S. Watelet, C. Troupin, J.-M. Beckers, and S. Simoncelli, Jul 2018. Mediterranean Sea Hydrographic Atlas: towards optimal data analysis by including time-dependent statistical parameters. *Earth System Science Data*, 10(3):1281–1300. ISSN 1866-3516. doi:[10.5194/essd-10-1281-2018](https://doi.org/10.5194/essd-10-1281-2018). URL <https://www.earth-syst-sci-data.net/10/1281/2018/>.
- [6] F. Lenartz, C. Troupin, and W. Lefebvre, Sep 2017. Data interpolating variational analysis for the generation of atmospheric pollution maps at various scales. In *International Technical Meeting on Air Pollution Modelling and its Application*, pages 231–235. Springer International Publishing. ISBN 9783319576459. ISSN 2213-8692. doi:[10.1007/978-3-319-57645-9_37](https://doi.org/10.1007/978-3-319-57645-9_37). URL https://link.springer.com/chapter/10.1007/978-3-319-57645-9_37.
- [7] M. Licer, B. Mourre, C. Troupin, A. Kriemeyer, A. Jansá, and J. Tintoré, Mar 2017. Numerical study of Balearic meteotsunami generation and propagation under synthetic gravity wave forcing. *Ocean Modelling*, 111:38–45. ISSN 1463-5003. doi:[10.1016/j.ocemod.2017.02.001](https://doi.org/10.1016/j.ocemod.2017.02.001). URL <http://www.sciencedirect.com/science/article/pii/S1463500317300136>.
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- [12] L. Petit de la Villéon, S. Pouliquen, H. Wehde, J. Tintore, T. Carval, L. S. Ringheim, S. Tamm, S. Tarot, V. Marinova, M. L. Perivoliotis, de Alfonso Alonso-Muñoyerro, T. Hammarklint, F. Manzano Muñoz, C. Troupin, K. Balem, and C. Guyot, October 2016. Marine environmental data bases: infrastructures and data access systems Copernicus Marine Environment Monitoring Service In Situ TAC: an In situ operational data provision system for operational oceanography. In *Bollettino di Geofisica teorica ed applicata - IMDIS 2016 International Conference on Marine Data and Information Systems*, volume 57 - supplement, pages 149–150. IOPAN and IMGW. URL <http://www3.ogs.trieste.it/bgta/pdf/IMDIS2016.pdf>.
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