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Qualifications and Affiliations			
<ul style="list-style-type: none"> • 2019- Research Scientist at CNR-ISMAR, Rome, Italy • 2018-2019 Research Scientist at CNRS - Laboratoire d’Océanographie de Villefranche (LOV), Villefranche sur Mer, France • 2016-2018 H2020 Marie Curie Fellow at Plymouth Marine Laboratory (PML), Plymouth, UK • 2014-2016 Research Scientist at CNRS - Laboratoire d’Océanographie de Villefranche (LOV), Villefranche sur Mer, France • 2012-2014 Postdoc Researcher at Université Pierre et Marie Curie, Paris 6 - Laboratoire d’Océanographie de Villefranche (LOV), Villefranche sur Mer, France • 2011-2012 Postdoc Researcher at University of Florence, Florence, Italy • 2008-2011 PhD in Biosystematics and Plant Ecology, University of Florence, Florence, Italy • 2004-2007 M.Sc in Environmental Biology (cum laude), University of Florence, Florence, Italy 			
Relevant Experience			
<ul style="list-style-type: none"> • >15 years of experience in optical oceanography and earth observation of marine environments, remote sensing and algorithm development for OC retrieval of marine biological resources, ecology and diversity of marine phytoplankton • 10 years of experience in Biogeochemical-Argo data management, development of quality control procedures for in situ sensors measuring optical variables (chlorophyll, dissolved organic matter, radiometry), scientific exploitation, synergies with remote sensing of OC • Excellent organisational skills for in situ sampling (>130 days at sea). Deployment, and check of the technical status, of in situ sensors for measuring in water bio-optics, radiometry, and characteristics of marine particle communities • Large experience in using laboratory-based instrumentation for characterising marine phytoplankton communities, and scientific exploitation of the data (e.g., fluorometers, spectrophotometers, coulter counter, flow cytometry) • Director of execution of the contract for the purchase of an Imaging FlowCytobot flow cytometer with imaging camera (2022) • Member of the International BGC-Argo planning group (since 2016) • Member of the International Satellite Phytoplankton Functional Type Algorithm Intercomparison working group (2012-2017) • Scientific expert in radiometry for SCOR – WG 154: Integration of Plankton-Observing Sensor Systems to Existing Global Sampling Programs (P-OBS) • Scientific expert of the Italian delegation for the JPI Ocean “Scoping Action on Light and Colour in the Ocean” and the G7 FSOI “Resource Strategy Group to support the Biogeochemical Argo Array 2030” • Scientific coordinator of H2020 Marie Skłodowska-Curie “REOPTIMIZE” fellowship (2016-2018) and ESA CAREHeat project (since 2022); CNR coordinator of the Biodiversa+ PETRI-MED and ESA SCOPE projects (since 2023); WP leader for projects funded by ESA (SOON, 4DMED-SEA, COLOR) (since 2021); Coordinator of Task 5.10 within the PNRR ITINERIS project (since 2022); CNR ISMAR referent for the EUROARGO European Research Infrastructure Consortium (since 2022) 			

Selected Publications

Li M., **Organelli E.**, Serva F., Bellacicco M., Landolfi A., Pisano A., et al. (2024). Phytoplankton spring bloom inhibited by marine heatwaves in the North-Western Mediterranean Sea. *Geophysical Research Letters*, 51, e2024GL109141.

Uitz J., Roesler C., **Organelli E.**, Claustre H., Penkerch C., Drapeau S., et al. (2023). Characterization of bio-optical anomalies in the Kerguelen region, Southern Indian Ocean: A study based on shipborne sampling and BioGeoChemical-Argo profiling floats. *Journal of Geophysical Research: Oceans*, 128, e2023JC019671.

Bracher A., Brewin R.J.W., Ciotti A.M., Clementson L.A., Hirata T., Kostadinov T.S., Mouw C., **Organelli E.** (2022). Applications of satellite remote sensing technology to the analysis of phytoplankton community structure on large scales. In Clementson L.A., Eriksen R.S., Willis A. (eds.) *“Advances in Phytoplankton Ecology – Applications of Emerging Technologies”*, Elsevier: 217-244, <https://doi.org/10.1016/B978-0-12-822861-6.00015-7>.

Organelli E., Leymarie E., Zielinski O., Uitz J., D’Ortenzio F., Claustre H. (2021). Hyperspectral radiometry on Biogeochemical-Argo floats: A bright perspective for phytoplankton diversity. pp. 90–91. In E.S. Kappel, S.K. Juniper, S. Seeyave, E. Smith, and M. Visbeck (eds) *“Frontiers in Ocean Observing: Documenting Ecosystems, Understanding Environmental Changes, Forecasting Hazards”*, a Supplement to Oceanography 34(4).

Jutard Q., **Organelli E.**, Briggs N., Xing X., Schmechtig C., et al. (2021). Correction of Biogeochemical-Argo radiometry for sensor temperature-dependence and drift: protocols for a Delayed-Mode Quality Control. *Sensors* 21(18): 6217.

Organelli E., Dall’Olmo G., Brewin R.J.W., Nencioli F., Tarran G.A. (2020). Drivers of spectral optical scattering by particles in the upper 500 m of the Atlantic Ocean. *Optics Express* 28(23): 34147-34166.

SCOR Working Group 154 (2020). *Recommendations for plankton measurements on the GO-SHIP program with relevance to other sea-going expeditions*. SCOR Working Group 154 GO-SHIP Report. Scientific Committee on Oceanic Research: 70pp., <http://dx.doi.org/10.25607/OBP-718>.

Bittig H.C., Maurer T.L., Plant J.N., Wong A.P.S., Schmechtig C., Claustre H., Trull T.W., Bhaskar T.V.S.U., Boss E., Dall’Olmo G., **Organelli E.**, et al. (2019). A BGC-Argo guide: Planning, deployment, data handling and usage. *Frontiers in Marine Science* 6: 502.

Organelli E., Dall’Olmo G., Brewin R.J.W., Tarran G.A., Boss E., et al. (2018). The open-ocean missing backscattering is in the structural complexity of particles. *Nature Communications* 9: 5439.

Organelli E., Barbieux M., Claustre H., Schmechtig C., Poteau A., et al. (2017). Two databases derived from BGC-Argo float measurements for marine biogeochemical and bio-optical applications. *Earth System Science Data* 9: 861-880.

Organelli E., Claustre H., Bricaud A., Barbieux M., Uitz J., et al. (2017). Bio-optical anomalies in the World’s oceans: An investigation on the diffuse attenuation coefficients for downward irradiance derived from Biogeochemical Argo float measurements. *Journal of Geophysical Research Oceans* 122: 3543-3564.

Roesler C., Uitz J., Claustre H., Boss E., Xing X., **Organelli E.**, et al. (2017). Recommendations for obtaining unbiased chlorophyll estimates from in situ chlorophyll fluorometers: A global analysis of WET Labs ECO sensors. *Limnology and Oceanography Methods* 15: 572-585.

Dall’Olmo G., Brewin R.J.W., Nencioli F., **Organelli E.**, et al. (2017). Determination of the absorption coefficient of chromophoric dissolved organic matter from underway spectrophotometry. *Optics Express* 25(24): A1079-A1095.

Organelli E., Claustre H., Bricaud A., Schmechtig C., Poteau A., et al. (2016). A novel near-real-time quality-control procedure for radiometric profiles measured by Bio-Argo floats: Protocols and performances. *Journal of Atmospheric and Oceanic Technology* 33: 937-951.