

Wednesday, November 26, 2024 at 12pm CET
Registration Link: <https://us06web.zoom.us/meeting/register/tZcpc-ggpjs0HdQLPgDBbrTqQC-5JOigoeFB>
Meeting ID: 834 4388 0270 • Passcode: 554837

SCOR Working Group 168 Webinar #1

Title: Advancements in Biogeophysical 4D reconstructions: New methods development and exploitation of existing products for scientific investigations

Presenter:

Dr. Bruno Buongiorno Nardelli
Italian National Research Council

The presentation will address two key topics: the development of physically-informed neural network methods for the joint reconstruction of physical and biological variables in the Mediterranean Sea, and the analysis of existing data-driven 4D reconstructions of POC, combined with advanced dynamical diagnostics, to uncover the interannual variability of organic carbon export in the global ocean. The first part will introduce the approach tested in the European Space Agency's 4DMED-Sea project, while the second will focus on research conducted within the H2020 AtlantEco project.

Agenda for November 26, 2024 (12pm CET)

- 1. Introduction:** WG 168 Co-Chairs
- 2. Main Presentation:** Dr. Bruno Buongiorno Nardelli
- 3. Q & A Session**

Webinar Series Information

The [4D-BGC Working Group](#) seeks to enhance access and utility of Biogeochemical (BGC) Argo observations through four-dimensional (4D) data products. These advanced data products aim to refine our understanding of ocean biogeochemistry, improve biogeochemical models and reanalysis products, and provide valuable insights for policy-making. The goal of this webinar series is to introduce new and in-development BGC data products, review techniques used to develop data products from in situ observations, and to explore way in which 4D-BGC products are leveraged to answer scientific questions.