

CINZIA DE VITTOR



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Cinzia De Vittor is a biologist and Senior Scientist at the National Institute of Oceanography and Applied Geophysics (OGS), Italy, where she currently serves as Deputy Director of the Oceanography Section. She holds a degree in Biological Sciences, a second-level Professional Master's degree in Aquaculture, and a PhD in Methodologies for Biomonitoring Environmental Alteration.

Her research focuses on marine biogeochemistry, organic matter dynamics, and the carbon cycle in coastal, lagoon, and polar environments. Particular attention is devoted to organic and inorganic carbon, nitrogen, and phosphorus fluxes across the sediment-water interface and to their role in marine ecosystem functioning.

Since 2008, she has developed and coordinated research on the environmental risks associated with geological CO₂ storage beneath the seabed, including the assessment of potential leakage impacts, ecosystem responses and recovery, and environmental monitoring strategies. She has contributed to major European and national CCS initiatives, including the FP7 projects RISCs and ECO2, the EUROFLEET project PACO2, and the CO2Monitor project, for which she led the work package on the impacts of CO₂ leakage on marine ecosystems and coordinated the related experimental activities.

Since 2013, she has promoted Panarea Island in the Aeolian Archipelago as a natural laboratory for investigating the effects of CO₂ emissions on marine ecosystems, ocean acidification, and the development and validation of monitoring approaches. She coordinated the establishment of the ECCSEL NatLab-Italy facility in Panarea, officially inaugurated in 2015, and currently serves as its Head.

She is Coordinator of the Italian National Node of ECCSEL ERIC and was appointed by the Italian Ministry as national delegate to the ECCSEL Research Infrastructure Coordination Committee. Within the IPANEMA, IPANEMA HR, and PNRR ECCSELLENT projects, she has held responsibility for work packages, operational units, and infrastructure implementation activities.

She has contributed, often in coordination roles, to more than 70 national and international projects and has led sampling, experimental, and monitoring activities during numerous oceanographic expeditions in the Mediterranean, Arctic, and Antarctic regions. She is also actively involved in research training, knowledge transfer, scientific dissemination, and the organization of international workshops and summer schools.