

VALENTINA VOLPI



National Institute of Oceanography and Applied Geophysics (OGS)

Contact: vvolpi@ogs.it

Main areas of expertise: CO₂ Geological Storage · CCUS · Geological Site Characterization · Seismic Interpretation · Geophysical Monitoring · Subsurface Modelling

Valentina Volpi is a senior researcher at the Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Italy, with more than 25 years of experience in geophysics and subsurface characterization. Since 2007, her research has focused particularly on the identification and characterization of geological sites for CO₂ storage, integrating seismic data, well logs, geological modelling and geophysical monitoring.

She has coordinated and contributed to several national and European projects on CO₂ geological storage and CCUS, including ENEL national research programmes, the EU funded FP7 SITECHAR and-ECCSELERATE and ECCSELLENT. She has served as Scientific Coordinator, Work Package Leader and project/unit leader, with responsibilities ranging from geological and geophysical site characterization to research infrastructure development. Within ECCSELLENT, the Italian PNRR project aimed at strengthening the national contribution to ECCSEL ERIC, she served as WP1 Leader, coordinating the acquisition and development of new geophysical research infrastructure and instrumentation for CO₂ storage research.

Since 2021, she has been OGS representative for the Italian National Node of ECCSEL ERIC, the European Research Infrastructure for Carbon Capture, Utilisation and Storage (CCUS) and Carbon Dioxide Removal (CDR), representing the Italian node at the ECCSEL General Assembly and Operations Centre. She has served from 2022 to 2024 as Vice-Chair of the ECCSEL General Assembly and coordinates OGS activities related to ECCSEL and geological CO₂ storage.

She is also the OGS representative in the EERA CCS Joint Programme, with a specific role in the Storage subgroup, and is involved in European networking activities related to CCUS and research infrastructures.

Her technical expertise includes high-resolution and multichannel seismic methods, well-log correlation, seismic interpretation, geophysical monitoring, 3D geological modelling and the geophysical characterization of CO₂ storage sites. She has also contributed extensively to training and knowledge transfer on geological CO₂ storage through university teaching, scientific workshops, webinars and professional training activities.