



Let's talk about Coastal Challenges

📅 13 June 2025 – 10:30 am - 1:30 pm CEST

📍 Inspire Area – European Digital Ocean Pavilion

🌐 United Nations Ocean Conference 2025

Abstract

FAIR and CARE Ocean Data Management Systems

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Migration to coastal areas exacerbated already existing natural and man-made risks, saturated infrastructures and generally led to a low quality of life, where social and family links no longer support the most fragile communities, particularly in low-income countries. When climate change started to severely impact coastal communities, through extreme events, sea level rise and stressing basic urban utilities, the situation evolved in a highly risky direction. Even traditional sea related activities needed to ensure food security are under a large stress.

The engagement of local communities is critical for the development of adaptation strategies, but also for a close follow-up of the changes on the coastal systems. This asks for a better understanding of environmental processes, and their relationship with communities' interests, culture and values. We need to focus on the networking of local communities, decision makers, and universities at the scale of the whole Atlantic Basin and to reinforce the role of national and local organizations. We need to evolve from “soft networking approaches” based on dissemination and outreach, to more complex collaborative platforms that will gain from a broader participation and promote more and better observations. Data are, increasingly, the most important “raw material”, but its use and governance must be done closely following simultaneously the FAIR and CARE principle.

