



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

Advancing Observation of the Land-Sea Interface with Cost-Effective Technologies and Community Engagement

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LandSeaLot aims to advance and integrate observations of land-sea interface areas across Europe. The project links in situ, model, and satellite observations and connects communities involved in observing and managing the land-sea interface area - including scientists, research infrastructures, long-term European services like Copernicus and EMODnet, and significantly local stakeholders, empowering citizen science. By strengthening these ties, LandSeaLot will close observation gaps and develop methods to make resulting data FAIR available via EMODnet and the European Digital Twin of the Ocean.

Two of the ways that LandSeaLot is seeking to fill knowledge gaps about coastal areas are 1) by testing and deploying cost-effective observation technology and 2) by building capacity among local communities to observe and study the land-sea interface. The presentation will explore these novel approaches, explaining the potential of relatively affordable and easy to use sensors and other observation devices to democratise ocean observation. It will also showcase LandSeaLot's ongoing efforts to evolve a community of practice that enables collaboration between researchers and civil society. The growth of this community will inform and guide future efforts to enhance collaboration amongst scientists and local communities in land-sea areas across Europe.

