

The Coastal Pollution Toolbox: A collaborative workflow to provide scientific data and information on marine and coastal pollution

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Interaction between pollution, climate change, the environment, and people is complex. This complex interplay is particularly relevant in coastal regions, where the land meets the sea. It challenges the scientific community to find new ways of transferring usable information for action into actionable knowledge and into used information for managing the impact of marine pollution. Therefore, a better understanding is necessary of the tools and approaches to facilitate user engagement in co-designing marine pollution research in support of sustainable development.

This presentation highlights a collaborative workflow to provide scientific data and information on marine and coastal pollution. The Coastal Pollution Toolbox provides innovative tools and approaches by marine pollution science to the scientific community, the public and agencies and representatives from policymaking and regulation. The framework provides a suite of scientific communication, science and synthesis, and management products. Essential components for the provision of the tools are the underlying data infrastructures, including data management technologies and workflows.

The presentation concludes by establishing the scope for a 'last mile' approach supporting engagement and co-designing by incorporating scientific evidence of pollution into decision-making.

Keywords: Marine pollution, participatory approaches, co-design, engagement, tools, and approaches, HCDC infrastructure

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