

## GlobalCoast Cloud: enabling equitable coastal resilience for the Future

The primary objective of the CoastPredict Programme is to provide decision-makers and coastal communities with integrated observing and predicting systems to manage risk in the short-term and plan for mitigation and adaptation in the longer-term context of future climate and ocean change. To accomplish the CoastPredict goals, the GlobalCoast initiative has been launched to create globally replicable solutions, standards, and applications that enhance coastal resilience. The advancement of CoastPredict innovation will be facilitated through the creation of an open and freely accessible digital platform known as the GlobalCoast Cloud - GCC. It is a cloud platform to transform the way we can improve and expand monitoring and forecasting of the global coastal ocean. By harnessing extensive data and establishing an infrastructure for cloud-based data and computing, this platform will expedite the dissemination of science-driven tools and information, making sure they are available and practical for the benefit of the public, decision-makers, coastal communities, and the research community. The GlobalCoast Cloud will host products and services for 125 Pilot Sites across the world ocean coastal areas.

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