

Title: CLIMAREST: Coastal Climate Resilience and Marine Restoration Tools for the Arctic Atlantic basin

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Abstract:

The EU Mission Ocean project CLIMAREST demonstrates large scale restoration of marine ecosystems for climate resilience in coastal communities. We work transdisciplinary in a comprehensive approach to develop technical, social and economic innovations focused on increasing the resilience of coastal communities to climate change and other anthropogenic influences like pollution.

Across five European demonstration sites in the Arctic-Atlantic basin, CLIMAREST focuses on demonstrating a multitude of restoration scenarios with specificities in terms of biodiversity, pressures and threats, ecosystem services and stakeholder engagement, and an underlying emphasis on enabling citizen science. Ecosystem specific innovations in nature-based solutions for habitat restoration that improve local climate resilience will also be developed, tested and integrated into a general toolbox framework which hosts guidelines and innovative workflows to enable demonstration and replication of best practice in the future.