

Aguión Tarrío, Alba
University: Vigo
Nationality: Spanish

Orientation: Integrated Management of the Sea
Specialization Area: Analysis and Environmental assessment
Research Line: 3.7 Diagnosis and response of coastal ecosystems to climate change



PhD project: Climate change implications for benthic resources under spatial management: the Stalked Barnacle fishery in Galicia

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Summary: Fisheries management has suffered a paradigm shift from effort regulations towards zoning actions such as reserves and protected areas. However, spatial management practices arose without reference to climate change. In a global warming era where ecosystems are constantly changing over time, ocean management practices should help to ensure the productivity of marine stocks. In this context, my project studies the implications of climate change for Territorial Use Rights for Fishing (TURFs), a salient example of spatial management proved to prevent overfishing. In order to understand how TURF design and cooperation can cope with the expected impacts of climate change, the Stalked Barnacle fishery in Galicia is used as the case study. My results will provide precious information to guide marine spatial planning for this and other benthic resources under climate change.