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Orientation: Ocean Observation and Global Change
Specialization Area: Ocean Observation
Research Area: Biological Oceanography



PhD project: Control of turbulence and dynamics of nutrient supply on the structure of marine picoplankton communities.

Supervisors: Dr. Beatriz Mouriño-Carballido (University of Vigo)
Dr. Pedro Cermeño (Marine Science Institute-CSIC)

Summary: This doctoral thesis project proposes to combine analysis of databases, laboratory experiments with chemostats and modeling in order to verify the hypothesis that turbulence controls the magnitude and frequency of nutrient inputs, which in turn determines the structure of sizes and the taxonomic composition of the picoplankton communities.

