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Predictability and environmental drivers of chlorophyll fluctuations vary across different time scales and regions of the North Sea

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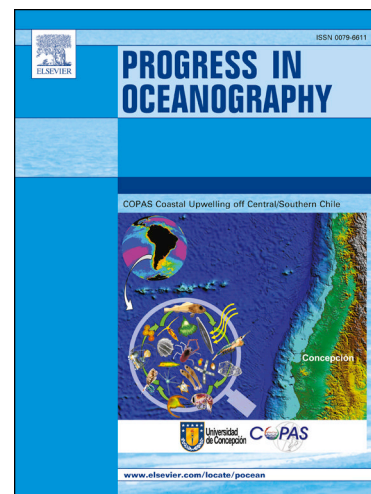
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**Predictability and environmental drivers of chlorophyll fluctuations vary across different time scales and regions of the North Sea**

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Running head: Drivers of phytoplankton fluctuations

Key words: marine monitoring; mooring buoys; particle settling; phytoplankton; tidal mixing; time series analysis; North Sea, predictability, Generalized Additive Model

Abbreviations: GAM: Generalized Additive Model; PAR: Photosynthetically Active Radiation; SPM: Suspended Particulate Matter; SST: Sea Surface Temperature

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