



*Supplement of*

## **Investigating ecosystem connections in the shelf sea environment using complex networks**

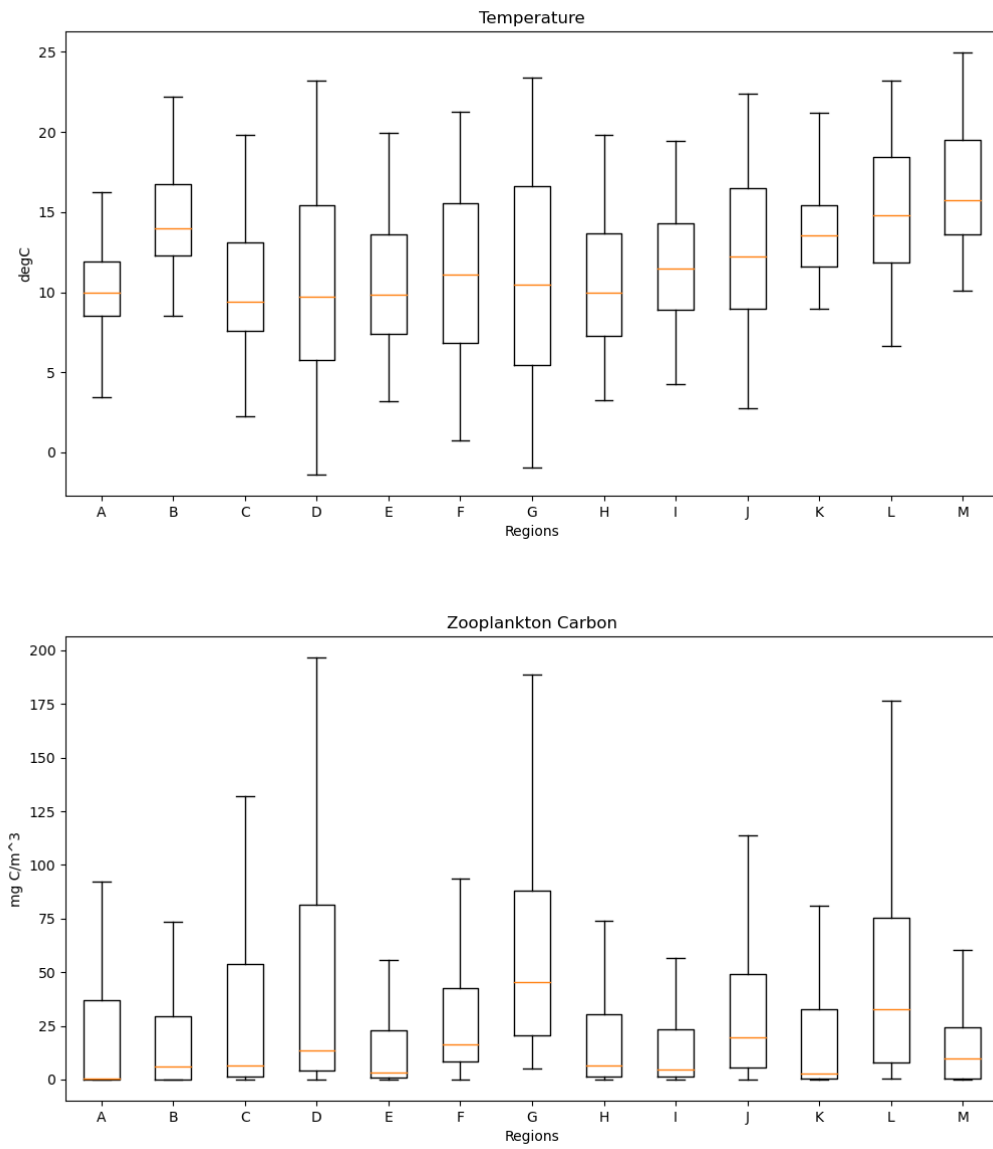
**Ieuan Higgs et al.**

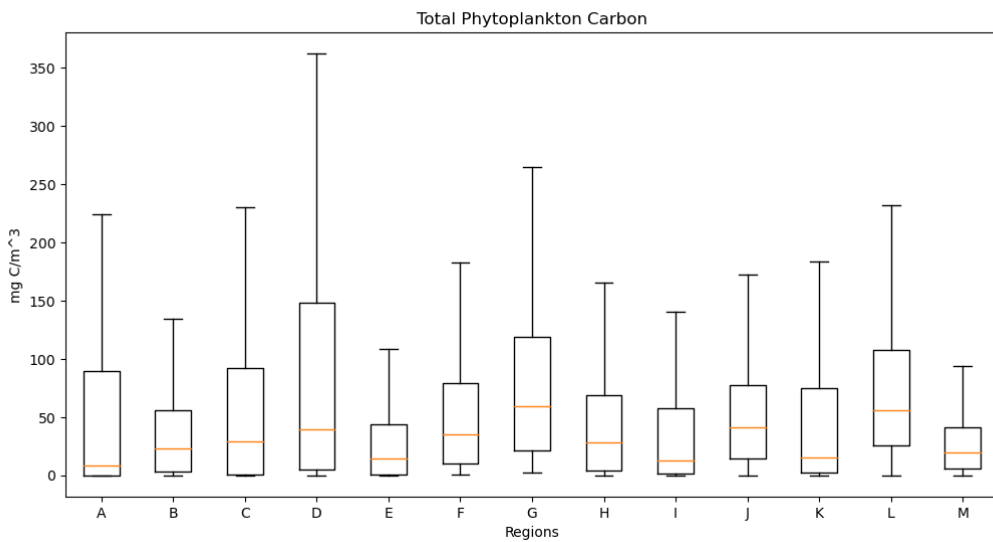
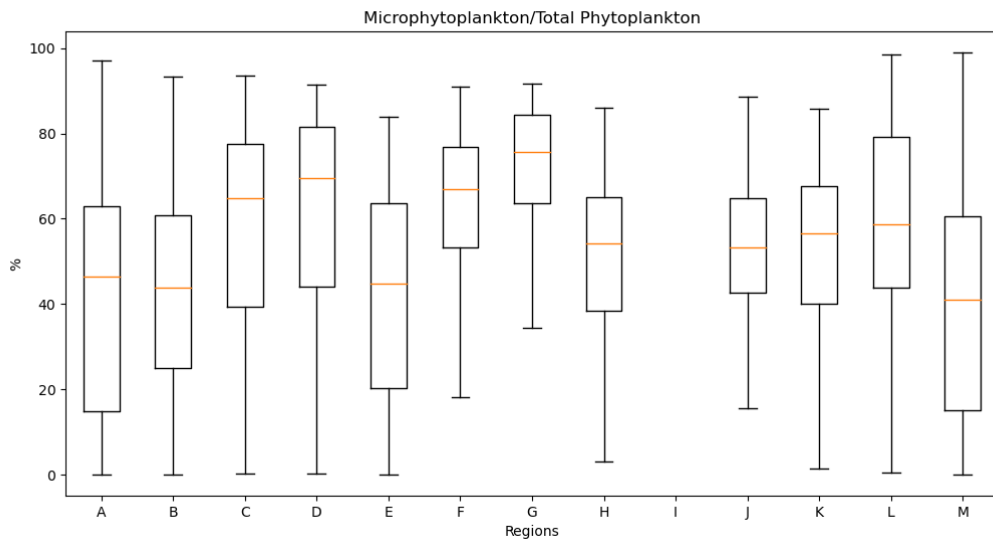
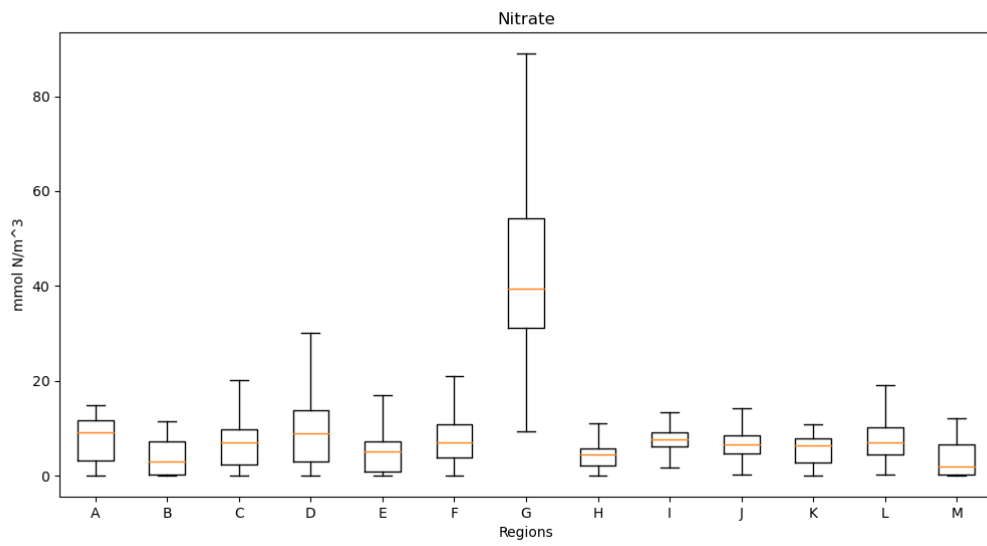
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Figure S1

A set of box plots for key indicator variables, describing the distribution of unprocessed model output values across the entire time series of each region (A-M) shown in Fig.7 of the main text.





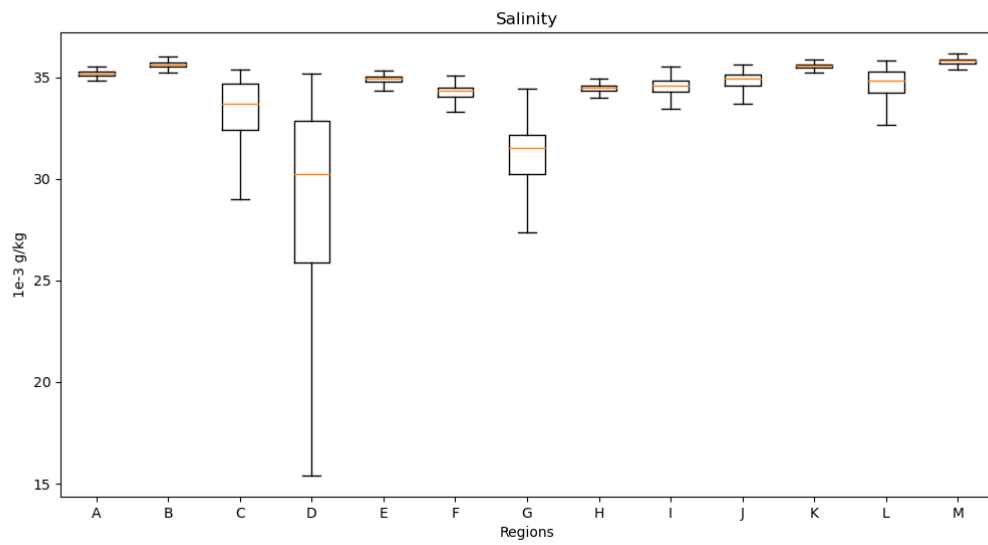
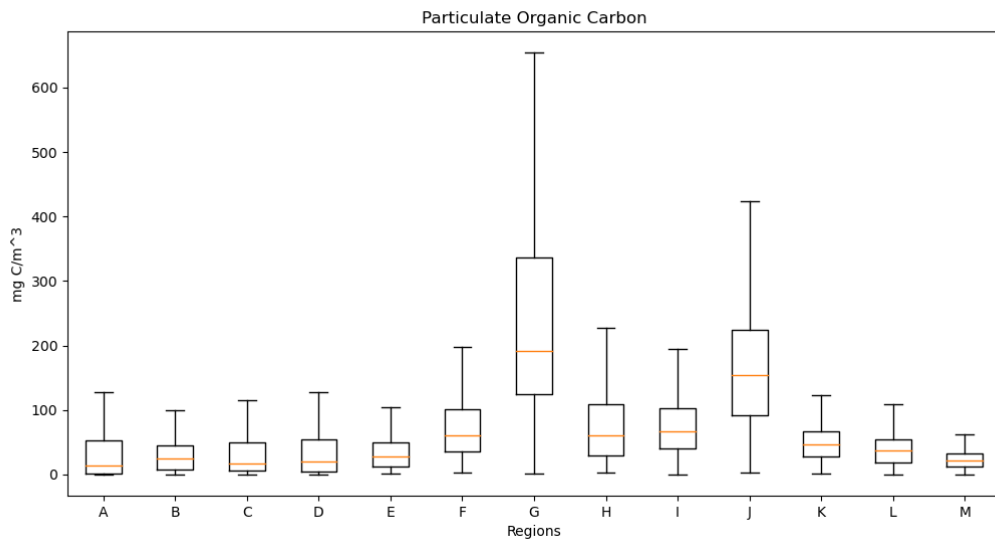
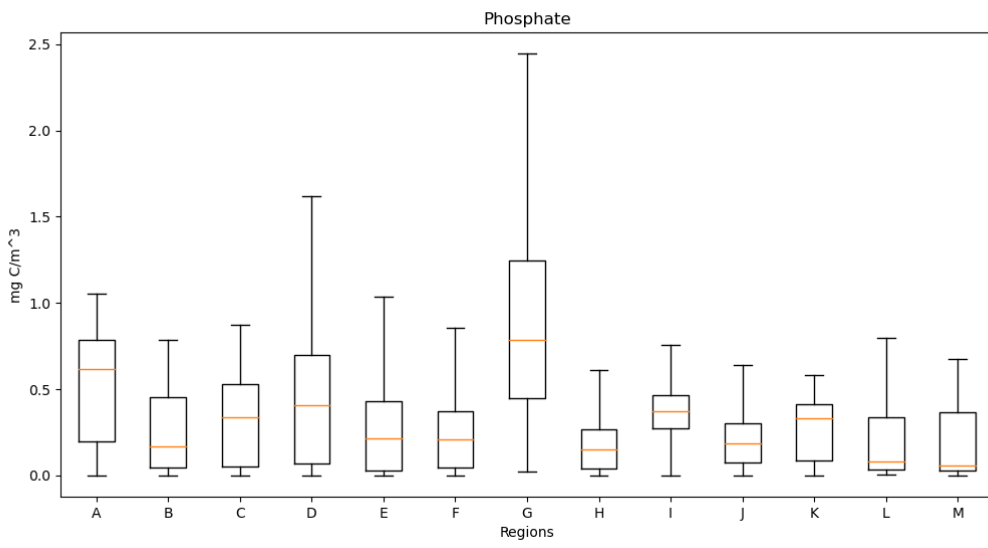


Figure S2

A comparison of unfiltered (blue) and filtered (red) timeseries over a 100-day period (April 10 – July 18), at the surface during the phytoplankton bloom in 2016. The filtered removes seasonality effectively – making the signal sensitive to the time-local behaviour.

