

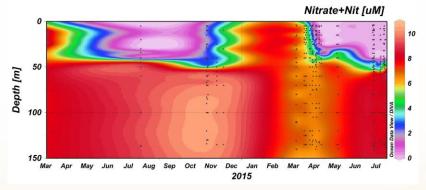






Nutrient dynamics on the UK Continental Shelf during the Shelf Seas Biogeochemistry programme

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Nitrate, Nitrite, Silicate, Phosphate and Ammonium: 4 Benthic and 5 Pelagic cruises: CTD's, underway surface samples and numerous samplings for Benthic experiments, Flumes, Cores, Excretion experiments, CeFas Spatial Survey, NOC-L Lander deployments etc. etc. Over 51,000 nutrient analytical data points.



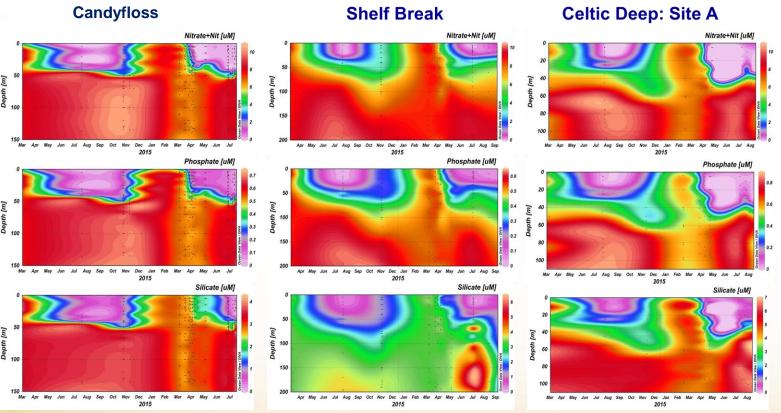
CANDYFLOSS



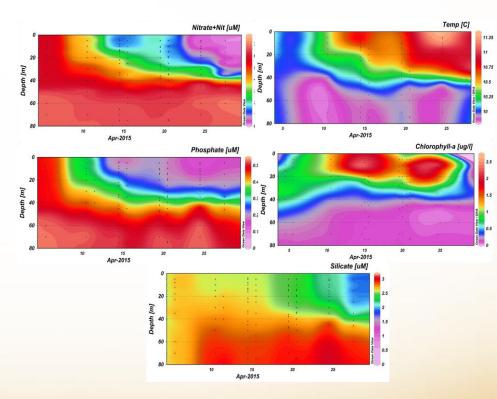




Whole Programme Nutrients



April 2015 – Spring Bloom



Shelf Break: shallower mixed layer, shorter depletion – slope upwelling Celtic Deep: oligotrophic in summer, NO3 and PO4, others only NO3 Nitrate winter = 8umoles/I: Summer <5 nmoles/I. PO4: 0.45 - 55nmoles/I.

PO4: 0.45 - 0.15 umoles/

NO3: 6 - 0.4 umoles/

NO3 availability limits PP