



Estimating primary production in the North Atlantic

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Few different simple (4-7 compartment) biogeochemical models have been coupled to an ocean general circulation model and validated for the North Atlantic. A number of coupled physical/biological studies have been already emphasized the impact of correct mathematical formulation of physical mechanisms controlling the ecosystem dynamics on global primary production estimates. Here we would like to investigate how much the modelled ocean production is sensitive to parameterization of biogeochemical processes