



Meteorology Seminar

Title: Marine biogeochemistry: its interaction with Physical Oceanography

Speaker: Prof Michael Orren (Cardiff)

Date: Thu 22nd May 2008 at 2:15PM

Location: Mathematical Sciences Seminar Room

Abstract: In my seminar "Marine biogeochemistry: its interaction with Physical Oceanography", I will cover solar-powered photosynthesis as the basic marine food source, the mixing up of nutrients to "fuel" this vital process by upwelling, tidal currents, surface gravity wave mixing, breaking of internal waves, Langmuir circulation and their relation to atmospheric processes. I will emphasise the close linking of physical and biogeochemical processes in the Ocean/Atmosphere system, how these affect global CO₂ and O₂ balance and I will allude to Global Climate Change in the discussion.

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