

Marine Biogeochemistry Training School

Faro

5 – 8 June 2018

Tuesday June 5 – Global Circulation Impacts on Climate

09:00 – 10:30 – Course, Instructors and Students introduction
10:30 – 11:00 Coffee Break
11:00 – 12:30 Ocean Observations from Space (YP)
12:30 – 14:00 LUNCH
14:00 – 15:30 The Global Deep Ocean Circulation (JM)
15:30 – 16:15 Ongoing Programs and Initiatives (YP, SN)
16:15 – 16:30 Coffee Break
16:30 – 18:30 Ocean Productivity (SN)
20:30 – 22:00 Communicating Science (AP; JM; SN; YP; JW)

Wednesday June 6 – Chemical Distributions Interaction with Biological Processes

09:00 – 10:30 Oceanic Major Nutrients: structure and biogeochemical cycling (AP)
10:30 – 11:00 Coffee Break
11:00 – 12:30 Distribution of trace elements and isotopes in the Ocean (YP)
12:30 – 14:00 LUNCH
14:00 – 16:00 The Role of Ocean Biology in the Climate System (SN)
16:00 – 16:30 Coffee Break
16:30 – 18:00 Processes in the Twilight and Deep Zones of the Ocean (SN)

20:30 – 22:00 Student Talks – participants give short presentations (5 min) on their own work and addressing questions relevant to the course

Thursday June 7 – Reconstructing Atmosphere-Land-Ocean Interactions in the Past

09:00 – 10:30 - Ocean Acidification the Other CO₂ Problem (AP)
10:30 – 11:00 Coffee Break
11:00 – 12:30 Past Variations in Atmospheric CO₂ (Talk by Heather Stoll)
12:30 – 14:00 LUNCH
14:00 – 16:00 Past Changes in Ocean Circulation, Chemistry and Productivity: Feedbacks to Climate (JM, AP)
16:00 – 16:30 Coffee Break
16:30 – 18:00 Past Changes in Ocean Circulation, Chemistry and Productivity: Feedbacks to Climate (JM, AP)

20:30 – 22:00 Student Talks – participants give short presentations (5 min) on their own work and addressing questions relevant to the course

or **practical/interactive aspects**

Friday June 8 – Social and Economic Impacts

09:00 – 10:30 Numerical Modeling of Marine Biogeochemistry (JW)
10:30 – 11:00 Coffee Break
11:00 – 12:30 Marine Biogeochemistry in a Social and Economic Context (JW)
12:30 – 14:00 LUNCH
14:00 – 16:00 practical/interactive aspects/ feedback from participants (JM - all)
16:00 – 16:30 Coffee Break
16:30 – 18:00 Areas of importance in need of advance - Group discussion
20:00 - Social Dinner