



Universidad de Concepción



AUSTRAL SUMMER INSTITUTE XIII (ASI XIII)

Department of Oceanography & COPAS Sur-Austral

University of Concepcion, Chile

Trace metals in the oceanic carbon cycle

Dr. Maria Nielsdóttir, University of Southampton, United Kingdom

14-18 January 2013

PROGRAM

The course gave a general introduction to trace metals in the ocean. Special emphasis was given on the importance of the microlimiting nutrient iron (Fe). The students were lectured on both the biological uptake and need of Fe in phytoplankton, an in-depth overview over both artificial and natural iron fertilization experiments were carried out, with an additional lecture on geoengineering efforts and the pro and cons for the course of climate mitigation strategy.

Conference: “Iron biogeochemistry in (sub-) polar regions”