



## CAML Workshop report (*Polarstern*-expedition ANT XXIII/8)

18 – 21 September 2008

Institut de Ciències del Mar-CSIC (ICM), Barcelona, Spain

Thirty-two weeks after RV *Polarstern* finished the CAML-research cruise ANT XXIII/8 to the former Larsen A/B ice shelves twelve participants and two guests from six countries met at the Institut de Ciències del Mar-CSIC (ICM), Barcelona, Spain. The workshop was locally organised by Enrique Isla (ICM) and scientifically steered by Julian Gutt. The main aim was to assemble and evaluate results covering a broad ecological spectrum soon after the expedition, to provide the basis for a joint scientific manuscript.

After the welcome addresses the participants briefly presented their results that have already been analysed. The studies range from water column and sediment parameters to a broad variety of benthic macroinvertebrates, krill, fish and all apex predators. The benthic meiofauna was represented by a set of data submitted electronically from the University of Gent. The next plenary session was used to find a way putting these very different data sets in to context and how the results are to be published. In single session a first successful attempt was made, collating most data into one table in order to be able to identify what impact the collapse of Larsen A/B had on different animal groups and how this can be explained by environmental parameters. Specialist knowledge allowed refinements in the scoring of underwater photographs and video imagery.

A final discussion was to focus on the two questions, considered to be most relevant: Which biological characteristics were representative but peculiar in the former Larsen A/B ice shelf area, and, are there hints of a biodiversity change in the different ecological subsystems since the ice shelf disintegration. All participants agreed to contribute their results to a joint publication in a well respected scientific journal. In addition, public outreach topics were discussed, especially how to efficiently reach a high number of people. Finally, ideas for a continuation of the field work on board *Polarstern* and for a further development of concepts on a biodiversity shift due to climate change in the Antarctic were collected.



Participants (on the photo, from left to right): Jan Seiler (University of Whales, Bangor, U.K.), Enrique Isla (ICM, Barcelona, Spain), Dorte Janussen (Senckenberg Research Institute, Frankfurt, Germany), Americo Montiel San Martin (Instituto de la Patagonia, Punta Arenas, Chile), Stephanie Langner (AWI, Bremerhaven, Germany), Olaf Heilmayer (NOC, Southampton, U.K.), Julian Gutt (AWI, Bremerhaven, Germany),

Meike Scheidat (IMARES, Texel, Netherlands), Karl-Hermann Kock (Federal Research Centre for Fisheries, Hamburg, Germany), Pablo López-Gonzalez (University of Sevilla, Spain), Thomas Saucède (University of Dijon, France), Elisabeth Sañé Schepisi (ICM, Barcelona, Spain).