Cross-program workshop on interactions between biological and climate processes

...to gather information for the development of interdisciplinary projects in Antarctic and Southern Ocean research; detailed objectives are to identify:

(1) demands in environmental information from existing and planned biological projects,
(2) environmental information, that non-biological working groups can provide, incl. projections,
(3) information that biologist can provide, e.g., CO₂ uptake and O₂ production, for physically driven climate research projects,
(4) compile environmental information that is available (but "hidden" for part of the biological community).

A major focus could be related to question #50 of the "1st Antarctic and SO Horizon Scan": "What are the synergistic effects of multiple stressors and environmental change drivers on Antarctic and Southern Ocean biota?"

Venue: Institut de Ciències del Mar, Barcelona, Spain, 16 to 18 September 2015 (three full days). Approx. 35 participants by invitation plus local APECS guests. Limited financial support can be provided by the organizing programs.

Recommended accommodation: Residencia Campus del Mar & Residencia La Ciutadella: http://www.resa.es/eng/Residences/[residencias]/Barcelona/[reservas]/SearchResidences/Search/[list]/1

Projects already successfully apply approaches that link the physical-chemical environment and ecosystem processes. The workshop will complement previous initiatives [e.g., ICED-Workshop held 2013 in Cambridge]. The workshop should stimulate such interactions also of additional concepts, which were so far underrepresented and also depend on interdisciplinary links.

**The workshop will be divided into three parts:**

**Part 1:** Flash presentations of biological and non-biological environmental projects that provide unexploited opportunities for interdisciplinary approaches.

**Part 2:** Discussions in groups, e.g. sea-ice and its impact on various systems or demands of the benthic community or in-shore ecologists in terms of environmental variables.

**Part 3:** Preparing a report.

Organizing committee:

Julian Gutt (AnT-ERA & ACCE)
Enrique Isla (AnT-ERA)
Nancy Bertler (AntClim21)
Jan Strugnell (AntEco)
Huw Griffiths (AntEco)

see also: http://www.barcelona.de/de/barcelona-festes-la-merce.html