

ANNEX 1 . ASAI Programmes

LA CAML/ BioMAntar/ COMARGE Integrated Workshop

Theme: Antarctic-South American Interactions in the Marine Environment (ASAI)

Local convenors

Helena Passeri Lavrado – Brazil
Lúcia de Siqueira Campos – Brazil

Location

Federal University of Rio de Janeiro (*Universidade Federal do Rio de Janeiro – UFRJ*)
Centro Cultural Prof. Horácio de Macedo (CCHM)
Avenida Brigadeiro Trompowski S/N - Prédio do CCMN- Auditório do Roxinho
Rio de Janeiro, Brazil

3 and 4 November, 2009
Rio de Janeiro, Brazil

Workshop Terms of Reference

The study of the Antarctic isolation from other continents by the Southern Ocean is relevant for understanding circulation patterns in the world oceans and atmosphere, and how biological communities have responded to past and present environmental changes. A detailed knowledge of Antarctica's past and present status is globally significant for predicting how its future may affect the Earth's System. Comparisons between Antarctica and other fragments of Gondwana, the study of climate change, and anthropogenic influences to the Antarctic environment are critical for understanding the evolution and present biological community structures in Antarctica, and their relations with the biota outside the polar front.

The ultimate separation of Antarctica from South America happened during the Oligocene, about 35 million years ago, and was responsible for the Antarctic isolation. The combination of this isolation and climate change has led to an Antarctic biota rich in endemic taxa, especially in the marine environment. But how isolated is Antarctica? This major question is raised within the SCAR Programmes (EBA, AGCS, ACE) related to the potential faunistic links between Antarctica and the surrounding continents, and whether faunal exchange is still possible today. In this

context, the Antarctic-South American biodiversity latitudinal gradient is particularly interesting because the two continents separated at a relatively short time ago.

The “LA CAML/ BioMAntar /COMARGE Integrated Workshop”, which will allow the gathering of all available data collected either in Antarctica, South America or both continents, that could be relevant to understand their associations. This workshop represents an opportunity for scientists to exchange data, and compile an integrated document showing the state of the art on the potential Antarctic South American biodiversity connections, taking into account all the marine realms. The preliminary results from the workshop will be presented at the Symposium of Antarctic-South American Interactions (ASAI) in the following days, 5 and 6 November.

Aims

- To bring together researchers that work on South American (Pacific and Atlantic) and Antarctic Marine Biodiversity;
- To present examples of available data on Latitudinal Gradients and potential Antarctic interactions;
- To evaluate and integrate available Antarctic-South American interactions data;
- To select the manuscripts for the *Oecologia Australis* Special Issue on the Antarctic and South American interactions;
- To produce joint documents, possibly in the form of scientific manuscripts;
- To gather data to input into SCARMarBIN and COMARGE databases.

General expected outcomes

- Data synthesis in the form of spreadsheets for SCARMarBIN and COMARGE database;
- Joint manuscripts between CAML and COMARGE scientists;
- Special issue of the scientific journal *Oecologia Australis*;
- General media articles on the Census work.

Organizing Committee

Adriana Dalto – Brazil
Diego Rodriguez – Argentina
Erli S Costa – Brazil
Manuela Bassoi – Brazil
Yocie Yoneshigue Valentin – Brazil

**VI Symposium in Ecology:
Antarctic-South American Interactions in the
Marine Environment
(ASAI)**

Local convenors

Helena Passeri Lavrado – Brazil
Lúcia de Siqueira Campos – Brazil

Location

Federal University of Rio de Janeiro (*Universidade
Federal do Rio de Janeiro – UFRJ*)
Centro Cultural Prof. Horácio de Macedo (CCHM)
*Avenida Brigadeiro Trompowski s/n - Prédio do
CCMN- Auditório do Roxinho*
Rio de Janeiro, Brazil

5 and 6 November, 2009
Rio de Janeiro, Brazil

Symposium Terms of Reference

The study of the Antarctic isolation from other continents by the Southern Ocean is relevant for understanding circulation patterns in the world oceans and atmosphere, and how biological communities have responded to past and present environmental changes. A detailed knowledge of Antarctica's past and present status is globally significant for predicting how its future may affect the Earth's System. Comparisons between Antarctica and other fragments of Gondwana, the study of climate change, and anthropogenic influences to the Antarctic environment are critical for understanding the evolution and present biological community structures in Antarctica, and their relations with the biota outside the polar front.

The ultimate separation of Antarctica from South America happened during the Oligocene, about 35 million years ago, and was responsible for the Antarctic isolation. The combination of this isolation and climate change has led to an Antarctic biota rich in endemic taxa, especially in the marine environment. But how isolated is Antarctica? This major question is raised within the SCAR Programmes (EBA, AGCS, ACE) related to the potential faunistic links between Antarctica and the surrounding continents, and whether faunal exchange is still possible today. In this context, the Antarctic-South American biodiversity latitudinal gradient is particularly interesting because

the two continents separated at a relatively short time ago.

“*Oecologia Australis* - VI Symposium in Ecology: Antarctic ~ South American Interactions”, will provide the opportunity for discussion of the main theme with the wider scientific community, including invited keynote speakers involved in major relevant scientific programmes, such as EBA, ACE, AGCS, SOOS, COMARGE, other CoML projects, but also students, industry, decision makers, and public in general. A major outcome from the event will be the publication of a special issue of the scientific journal *Oecologia Australis* (www.oecologiaaustralis.org/) with the resulting papers from the Workshop (just before the Symposium) and the Symposium.

Aims

- To inform the wider community about the current scientific findings on the Antarctic-South American interactions;
- To allow the enrolment and presentation of young scientists that might have relevant data related to the Symposium's theme;
- To select the manuscripts for the *Oecologia Australis* Special Issue on the Antarctic and South American interactions.

Organizing Committee

Alex Enrich Prast – Brazil
Yocie Yoneshigue Valentin – Brazil
Manuela Bassoi – Brazil
Erli S. Costa – Brazil
Adriana Dalto – Brazil
Maria Carolina Barroso dos Santos – Brazil
Diego Rodriguez – Argentina

Workshop participants

David Barnes (Benthos, Antarctic) – UK
Katrin Linse (Benthos, Antarctic) – UK
Ana Paula Falcão (Benthos, South America) – Brazil
Angelo Bernardino (Benthos, South America) – Brazil
André Morgado Esteves (Benthos, South America) – Brazil
Anelio Aguayo (Top Predators, Antarctic/South America) – Chile
Angelika Brandt (Benthos, Antarctic) – Germany
Tania Bezerra (Ann Vanreusel, Benthos, Antarctic) – Belgium
Antonio Luiz Gambôa (Benthos, South America) – Brazil
Craig Smith (Benthos, Antarctic) – USA

- Cristiana Serejo (Benthos, South America) – Brazil
 Cristina Castro (Top Predators, Antarctic/S. America) – Ecuador
 Cristina Nakayama (Microbiology, Antarctic) – Brazil
 Debora Pires (Benthos, South America) – Brazil
 Maria de Lourdes Guerra (Benthos, Antarctic) – Ecuador
 Alberto Martín (E. Klein, Benthos, Antarctic/South America) – Venezuela
 Elie Poulin (Benthos, Antarctic/South America) – Chile
 Erli S. Costa (Top Predators, Antarctic/South America) – Brazil
 Gladys Cardenas (Zooplankton, Antarctic - South America) – Peru
 Helena Passeri Lavrado (Benthos, Antarctic/South America) – Brazil
 Jesus Troncoso (Benthos, Antarctic) – Spain
 Jorge Acevedo (Top Predators, Antarctic/South America) – Chile
 José Juan Barrera Alba (Plankton, Antarctic) – Brazil
 Luciano Dalla Rosa (Top Predators, Antarctic/South America) – Brazil
 Julian Gutt (Benthos, Antarctic) – Germany
 Lúcia S. Campos (Benthos, Antarctic/South America) – Brazil
 Manuela Bassoi (Top Predators, Antarctic/South America) – Brazil
 Márcio M. B. Tenório (Plankton, Antarctic) – Brazil
 Mônica Varella Petti (Benthos, Antarctic) – Brazil
 Patricia Miloslavich (Benthos, South America) – Venezuela
 Paulo Sumida (Benthos, Antarctic, Integrate Project with Craig Smith) – Brazil
 Liliana Ayala (Raul Scaglioni, Top Predators, Antarctic/South America) – Peru
 Rafael Moura (Benthos, Antarctic/South America) – Brazil
 Ricardo Absalão (Benthos, South America) – Brazil
 Rômulo Barroso Baptista (Benthos/Antarctic/S.America) / Brazil
 Thais Corbisier (Benthos, Antarctic) – Brazil
 Theresinha Absher (Plankton, Antarctic) – Brazil
 Virag Venekey (Benthos, South America) – Brazil
 Virginia Garcia (Plankton, Antarctic/South America) – Brazil
 Vivian Pellizari (Microbiology, Antarctic) – Brazil
 Viviana Alder (Plankton, Antarctic/South America) – Argentina
 Catalina Pastor de Ward (Benthos, South America) – Argentina
 Flávio Passos (Benthos, Antarctic) – Brazil
 Dorte Janussen (Benthos, Antarctic) – Germany
 Yocie Yoneshigue Valentin (Plankton/Benthos, Antarctic/South America) – Brazil
 Guido di Prisco (General, Antarctic) – Italy
 Cinzia Verde (General, Antarctic) – Italy
 Anne Holford (Benthos) – UK
- Simposia Participants:**
- Alberto Martín (E. Klein, Benthos, Antarctic/South America) – Venezuela
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