



SDM 35
Agenda Item: 7.4
Person Responsible: A Terauds

**XXXV SCAR Delegates Meeting
Davos, Switzerland, 25-26 June 2018**

SCAR advice to other bodies

Report Author

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Summary

In addition to the scientific advice co-ordinated by the SCAR Standing Committee on the Antarctic Treaty System (SC-ATS – see SDM 32 for details). SCAR also provides scientific advice to other bodies.

Since the last delegates meeting this has included advice to:

- Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) (Global Assessment Report led by Julian Gutt)
- EU – Polarnet (white paper on climate and cryosphere, led by Laura de Santis)
- Intergovernmental Panel on Climate Change (IPCC) (SCAR scientists have and will contribute as authors to IPCC AR6 and Special Reports (Cryosphere and Oceans, 1.5°C) [*Naish, Mackintosh, DeConto, Golledge*])
- National and local governments, large scale projects and other advisory bodies

Recommendation

Delegates are asked to note advice to other bodies expanding SCAR's influence beyond the ATCMs.

Summary Budget 2017 to 2020

No budgetary implications as these activities are funded under other budget items (e.g., SCATS) or with external funds.



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Background

The SCAR Standing Committee on the Antarctic Treaty System (SC-ATS) is tasked with coordinating the provision of advice to the Antarctic Treaty System including the Committee for Environmental Protection (CEP), Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR) and other bodies, including the Agreement on the Conservation of Albatrosses and Petrels (ACAP). Details of this is provided in SDM Paper 32.

In addition to this advice, SCAR is regularly called on to provide advice to other bodies. For the period 2016-2018 this advice is summarised below.

SCAR advice to other bodies (2016-2018)

i) Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)

Julian Gutt is the lead author of the IPBES "Global Assessment" , which covers Antarctic and Southern Ocean aspects. The "Global Assessment" is in the stage of a "Second Order Draft" (SOD). It will be made available in the near future for registered reviewers (governments and experts - https://www.ipbes.net/global_sod).

Julian Gutt is in charge of polar and marine aspects in the "Nature" chapter, which should provide the scientific basis for the more applied chapters. The current review process that is underway provides an opportunity for constructive feedback and input into the IPBES Global Assessment.

ii) EU – Polarnet

Laura de Santis has been invited to co-lead the EU - Polarnet <http://www.eu-polarnet.eu/> white paper on climate and cryosphere, together with Lise Lotte Sorensen (Aarhus University, Arctic Research Centre), DK

The white paper is still in the final editing, it's not published yet, but it will be presented in Davos in the EU Polarnet side meeting "*EU-PolarNet: European priorities in Polar Research – Results of an expert workshop on identifying European key research priorities for both poles*" that will take place on **Tuesday, 19th June from 18:30 – 21:30 in room Sanada II.**

Dr de Santis was invited on the basis of her "expertise in geology and geophysics of the polar continental margins, experience in international projects and strategic research planning, as well as her ability to approach an issue from an interdisciplinary perspective". The white paper was discussed and edited in a 6-day workshop, <http://www.eu-polarnet.eu/news-and->



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[events/conferences-and-workshops/white-paper-workshop/](#) during which Dr. de Santis was asked to serve as a representative of this scientific research topic and its related community (specifically the SCAR SRP – Past Antarctic Ice Sheet Dynamics (PAIS)).

iii) Intergovernmental Panel on Climate Change (IPCC)

SCAR scientists have contributed as authors to IPCC AR5 and will contribute as authors to IPCC AR6 and IPCC Special Reports. Rob DeConto and Andrew Mackintosh were lead authors on the IPCC Special Report on Oceans and Cryosphere. Nick Golledge is lead author of Chapter 9 Ocean, cryosphere, and sea level change of the IPCC 6th Assessment Report.

Research coordinated by the SCAR SRP - Past Antarctic Ice Sheet (e.g. ice sheet, sensitivity, irreversibility, processes, ice sheet model predictions for future global sea-level rise) was influential in the IPCC AR5 report and has been identified as a priority for AR6 report.

iv) General Engagement

- a. Revised sea-level scenarios based on paleo-calibrated Antarctic ice sheet model projections are being utilised in planning documents for decision-makers (e.g. *Climate Ready Boston*, *NOAA regional sea-level projections*, *California Sea-level projections*, *NZ Coastal Hazards Guidance*).
- b. See PAIS Report (SDM 09) for details on leadership and co-ordination of IODP Antarctic margin drilling.
- c. Tim Naish has been appointed by the Australian Government to the National Advisory Committee for Climate Change Science. Professor Naish regularly advises members of parliament, government officials, agencies, local government, communities and private sector on climate change and Antarctic issues.