



SDM **27**
 Agenda Item: 5.1
 Person Responsible: A Van de Putte

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

**Standing Committee on Antarctic Data
 Management**

Report Authors

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Summary of activities from 2016-18 and other important matters

- In the period 2016-2018 SCADM developed a short strategy for SCADM for the period 2017-2022, to be updated in parallel with the SCAR strategic Plan. Efforts, started in 2014, to improve internal functioning were continued and include an update of the SCADM terms of reference.
- SCADM continued to support publication of (meta)data through the Antarctic Master Directory This resulted in 237 new metadata records and a total of 9229. Further we added a search interface for the AMD to the SCAR website.
- Interactions with external Polar partners such as the Arctic Data Committee and the Southern Ocean Observing System were further developed, leading to a joint initiative on the development of a Polar Federated Data Search toolset.
- SCADM held 3 annual meetings: 2016 in Kuala Lumpur (in conjunction with SCAR OSC), 2017 in Montreal in conjunction with Research Data Alliance (RDA) and will meet in Davos in conjunction with Polar 2018.

Recommendation

SCADM requests the Delegates and SG-CO's note the updated SCADM terms of reference.

Summary Budget 2017 to 2020

	2017	2018	2019	2020
	Spent	Allocated	Request	Request
(US\$)	\$3,405.01	\$6,595	\$4,000	\$6,000



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Progress and Plans

Activity Summary

SCADM continued to support publication of (meta)data through the Antarctic Master Directory. This resulted in 237 new metadata records and a total of 9229. In the period 2016-2018 SCADM developed a short strategy for SCADM for the period 2017-2022, to be updated in parallel with the SCAR strategic Plan. Efforts, started in 2014, to improve internal functioning were continued and include an update of the SCADM terms of reference. Interactions with external Polar partners such as Arctic Data Committee and the Southern Ocean Observing System were further developed, leading to a joint initiative on the development of a Polar Federated Data Search toolset. Further we added a search interface for the AMD to the SCAR website. SCAR held 3 annual meetings; 2016 in Kuala Lumpur (in conjunction with SCAR OSC); 2017 Montreal in conjunction with Research Data Alliance (RDA) and will meet in Davos in conjunction with Polar 2018.

Major Outcomes

- Updated terms of reference for SCADM.
- Workshop in Frascati, Italy (November 2016) on Polar Connections Interoperability Workshop and Assessment Process.
- Polar Data Planning Summit (May 2018, University of Colorado at Boulder).

Major Products

Antarctic Master Directory, now searchable through the SCAR portal.

<https://www.scar.org/data-products/amd-search/>

Major Impacts

- AMD continues to be one of the largest portals in the Global Change Master Directory.
- Active participation in various Antarctic meetings including the Marine Ecosystem Assessment of the Southern Ocean (MEASO) conference.
- Increased involvement in a number of global data initiatives including the Research Data Alliance.

Future Plans

- Further development of POLDER in collaboration with Arctic Data Council (ADC) and the Southern Ocean Observing System (SOOS).
- Further work on increasing data mobilisation not just through National Data centres but also through SCAR groups.
- SCADM has been working together with EG-BAMM and EG-ABI on RAATD, this dataset should be published in the near future.



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Budget

Planned use of funds for 2018 to 2020

Year (YYYY)	Purpose/Activity	Amount (in USD)	Contact Name	Contact Email
2020	Attendance other meetings	1000	SCADM-CO	
2020	Catering & rooms SCADM annual meeting	1500	SCADM-CO	
2020	Travel support SCADM annual meeting	1500	SCADM-CO	
2020	Open data workshop in parallel with SCAR OSC	2000	SCADM-CO	
2019	Attendance other meetings	1000	SCADM-CO	
2019	Catering & rooms SCADM annual meeting	1500	SCADM-CO	
2019	Travel support SCADM annual meeting	1500	SCADM-CO	
2018	<i>Workshop Open data (Europe)</i>	1500	AVdP	avdputte@naturalsciences.be
2018	<i>Travel support attendance SCADM meeting Davos-SOOS-Canada-Belgium-TBD</i>	3000	Pip Bricher	data@soos.aq
2018	<i>Support Lunch Polder meeting</i>	1000	AVdP	avdputte@naturalsciences.be
2018	<i>Travel support attendance Polar Data Planning Summit</i>	1000	AVdP	avdputte@naturalsciences.be

Briefly describe funds usage and the desired results

1. Travel support for attendance SCADM annual meeting (2018, 2019, 2020) - Funding for National Antarctic Data centre or other relevant participant to attend the SCADM annual meeting.
2. Catering and rooms SCADM annual meeting
3. Budget to cover, if needed, cost for catering and rooms for the SCADM annual meeting (these costs tend to be highly variable).
4. Open data workshops in parallel with SCAR OSC.
5. During the next SCAR OSC we would like to organise a workshop in collaboration with other partners (APECS, SOOS) on how to integrate open data in your research cycle (data management plans, data standards, data



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publication, FAIR principles). We will organise a smaller workshop in 2018 as well in order to test the principles.

6. Travel Support other meetings
7. Budget for SCADM members who attend meetings where they will represent the interests of SCAR/SCADM (includes POLDER)

Percentage of the budget to be used for support of early career researchers

2018:0%
2019: 0%
2020:25%

Percentage of the budget to be used for support of scientists from countries with developing Antarctic programmes

2018: 50%
2019: 30%
2020:30%

Linkages

Direct support from outside organisations

NASA provides ongoing support for hosting the Antarctic Master directory.

Major collaborations

Within SCAR

1. EG-ABI
2. EG-BAMM

Outside SCAR

1. Southern Ocean Observation System SOOS
2. Arctic Data Committee
3. Research Data Alliance
4. Through domain specific expertise of SCADM members various Global Networks (GBIF, OBIS, ODIP, Seadatanet,...)
5. APECS

Outreach and Capacity Building

Outreach, communication and capacity building activities

- July 2016 Encontro Ciência 2016.
- July 2017 SCAR biology 2017 APECS workshop



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SCAR Fellowship Reviewers

First Name	Last Name	E-mail	Principal Expertise
Anton	Van de Putte	avandeputte@naturalsciences.be	Marine ecology, biodiversity data management

Membership

Leadership

Role	First Name	Last Name	Affiliation	Country	Email	Date Started	Date Term is to End
Chief Officer	Anton	Van de Putte	RBINS	Belgium	avandeputte@naturalsciences.be	September 2014	
Deputy Officer	Frank	Nitsche		USA		September 2017	
Deputy Officer	Masaki	Kanao		Japan		September 2017	

**Early Career Scientists*

Other members*

First Name	Last Name	Affiliation	Country	Email
Dave	Connell	Australian Antarctic Division	Australia	
Gabrielle	Alix	Polar Data Catalogue	Canada	
Arto	Vitikka	Arctic Centre, University of Lapland	Finland	
Stefanie	Schumacher	AWI-PANGAEA	Germany	
Taco	DeBruin	NIOZ	Netherlands	
Stein	Tronstad	Norwegian Polar Institute	Norway	
Oscar	Bermúdez	Instituto Geológico y Minero de España	Spain	
Helen	Peat	British Antarctic Survey	United Kingdom	
Pip	Bricher	SOOS		
Scott	Ritz	AMD/GCMD		

**See Also SCADM membership page.*



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Requests to the Secretariat

- Online meeting tools we are very happy with the 'goto' meeting system and hope this will be maintained.
- SCADM mailing list seems to have had some issues. Would be good if this could be sorted long term.
- Also we would like to thank the secretariat for the tremendous support they provides.



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Supplement - Updated SCADM Terms of Reference

The Terms of Reference ¹ for SCADM are to:

1. Promote long-term preservation and accessibility of data relating to Antarctica and the Southern Ocean in sustainable repositories.
2. Assist in establishing and implementing Antarctic data management policies, priorities and best practices, taking into account and contributing to global best practices.
3. Promote a distributed, interoperable network of accredited National Antarctic Data Centres (NADCs), in accordance with ATCM XXII Resolution 4.1 (1998) ².
4. Encourage and enable the community to make data Findable, Accessible, Interoperable, and Re-usable according to the FAIR Principles ³ by submission of metadata and data to the Antarctic Data Management System (ADMS).
5. Further develop, design, implement, and improve the ADMS - a system that encompasses the Antarctic Master Directory (AMD), NADCs, other interoperable, networked data repositories, and key data discovery tools.
6. Provide linkages and improve interoperability with other relevant data management systems, initiatives, and repositories; and thereby enhance the accessibility of data relating to Antarctica and the Southern Ocean.
7. Provide guidance to the AMD host.
8. Work with other SCAR groups, Council of Managers of National Antarctic Programs, Committee for Environmental Protection, Commission for the Conservation of Antarctic Marine Living Resources, the Antarctic Treaty Secretariat, and other relevant



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groups to identify, develop, and publish fundamental datasets of value to the Antarctic Community.

1. The procedural parts of SCADM's mandate are covered in SCAR's "Rules of Procedure for Subsidiary Bodies", see <https://scar.org/scar-library/search/governance/780-rules-of-proc-subsidbodies-aug10/>
2. http://www.ats.aq/devAS/info_measures_listitem.aspx?lang=e&id=258
3. <https://www.force11.org/group/fairgroup/fairprinciples>