Standing Committee on Antarctic Data Management

Report Authors
Anton Van de Putte (Belgium), Frank Nitsche (USA), Masaki Katano (Japan) with support from SCADM members

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

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
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<tbody>
<tr>
<td></td>
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<tr>
<td>(US$)</td>
<td>$3,405.01</td>
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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 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. 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 Frascatti, 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.

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.
Budget

Planned use of funds for 2018 to 2020

<table>
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<tr>
<th>Year (YYYY)</th>
<th>Purpose/Activity</th>
<th>Amount (in USD)</th>
<th>Contact Name</th>
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<td>Catering &amp; rooms SCADM annual meeting</td>
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<td>2020</td>
<td>Open data workshop in parallel with SCAR OSC</td>
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<tr>
<td>2019</td>
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<td>2019</td>
<td>Catering &amp; rooms SCADM annual meeting</td>
<td>1500</td>
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<tr>
<td>2019</td>
<td>Travel support SCADM annual meeting</td>
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<td>2018</td>
<td>Workshop Open data (Europe)</td>
<td>1500</td>
<td>AVdP</td>
<td><a href="mailto:avdputte@naturalsciences.be">avdputte@naturalsciences.be</a></td>
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<td>2018</td>
<td>Travel support attendance SCADM meeting Davos- SOOS-Canada-Belgium-TBD</td>
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<td>Pip Bricher</td>
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<td><a href="mailto:avdputte@naturalsciences.be">avdputte@naturalsciences.be</a></td>
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<td>2018</td>
<td>Travel support attendance Polar Data Planning Summit</td>
<td>1000</td>
<td>AVdP</td>
<td><a href="mailto:avdputte@naturalsciences.be">avdputte@naturalsciences.be</a></td>
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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
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 2017 SCAR biology 2017 APECS workshop
XXXV SCAR Delegates Meeting
Davos, Switzerland, 25-26 June 2018

SCAR Fellowship Reviewers

<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>E-mail</th>
<th>Principal Expertise</th>
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<tbody>
<tr>
<td>Anton</td>
<td>Van de Putte</td>
<td><a href="mailto:avandeputte@naturalsciences.be">avandeputte@naturalsciences.be</a></td>
<td>Marine ecology, biodiversity data management</td>
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Membership

Leadership

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<th>Role</th>
<th>First Name</th>
<th>Last Name</th>
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<th>Email</th>
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<th>Date Term is to End</th>
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<tr>
<td>Chief Officer</td>
<td>Anton</td>
<td>Van de Putte</td>
<td>RBINS</td>
<td>Belgium</td>
<td><a href="mailto:avandeputte@naturalsciences.be">avandeputte@naturalsciences.be</a></td>
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<tr>
<td>Deputy Officer</td>
<td>Frank</td>
<td>Nitsche</td>
<td>USA</td>
<td></td>
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<td>Masaki</td>
<td>Kanao</td>
<td>Japan</td>
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*Early Career Scientists

Other members*

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<tr>
<td>Dave</td>
<td>Connell</td>
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<tr>
<td>Gabrielle</td>
<td>Alix</td>
<td>Polar Data Catalogue</td>
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<tr>
<td>Arto</td>
<td>Vitikka</td>
<td>Arctic Centre, University of Lapland</td>
<td>Finland</td>
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<tr>
<td>Stefanie</td>
<td>Schumacher</td>
<td>AWI-PANGAEA</td>
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<td>Taco</td>
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<td>Stein</td>
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<tr>
<td>Oscar</td>
<td>Bermúdez</td>
<td>Instituto Geológico y Minero de España</td>
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<tr>
<td>Helen</td>
<td>Peat</td>
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<td>Pip</td>
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<tr>
<td>Scott</td>
<td>Ritz</td>
<td>AMD/GCMD</td>
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*See Also SCADM membership page.
SDM 27
Agenda Item: 5.1
Person Responsible: A Van de Putte

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

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 proves.
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.


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

