

SCAR STANDING SCIENTIFIC GROUP - LIFE SCIENCES (SSG-LS)

XXXII SCAR, 15 and 20 July 2012
Portland, Oregon, USA

Draft Annotated Agenda

Schedule format for 15 July (Sunday) and 20 July (Friday):

Morning session 1: 8:45-11:00 AM
Morning coffee break: 11:00-11:30
Morning session 2: 11:30-13:00

Lunch break: 13:00-14:30

Afternoon session 1: 14:30-16:00
Afternoon coffee break: 16:00-16:30
Afternoon session 2: 16:30-18:00

SSG-GS, LS and PS Plenary Session – 15 July (8:45 -1:00 AM)

Sunday July 15 (8:45 -11:00)

1. Welcome to the SCAR Business Meetings - Chuck Kennicutt, President (5 mins)
Chuck Kennicutt will welcome meeting attendees.
2. SCAR Presentation - Mike Sparrow, Executive Director (15 mins)
Mike Sparrow will set the scene for the agenda items that all groups should consider (budgets, reporting, Capacity building, new SCAR website, implementation of the Southern Ocean Observing System etc.).
3. The next Generation on SCAR SRPs (1 hour 40 mins total)
Meeting attendees are requested to consider the proposals for the next generation of SCAR SRPs. Presentation should emphasize outcomes and cross linkages since written proposals will have been made available prior to the meeting. These SRP proposals would have undergone external reviews and presenters should be prepared to briefly answer any points raised by the reviews. Final decisions on the proposed SRPs will be made by the SCAR Delegates, taking into account advice from the SSGs.
 - i. General Introduction - Mike Sparrow (10 mins)
 - ii. State of the Antarctic Ecosystem (AntEco) - Don Cowan (15 mins)
 - iii. Antarctic Thresholds - Ecosystem Resilience and Adaptation (AnT-ERA) - Julian Gutt (15 mins)
 - iv. Antarctic Climate Change in the 21st Century (AntClim21) - Nancy Bertler (15 mins)
 - v. Past Antarctic Ice Sheet Dynamics (PAIS) - Carlota Escutia or Rob DeConto (15 mins)
 - vi. Solid Earth Responses and influences on Cryospheric Evolution (SERCE) -Terry Wilson or Alessandro Capra (15 mins)
 - vii. General discussion, points - lead: Chuck Kennicutt (15 mins)
4. Astronomy and Astrophysics from Antarctica (AAA) - John Storey (15 mins)
John Storey will present progress with AAA, noting that AAA is undergoing its 2 yearly internal review. Attendees are invited to comment as appropriate, in particular with regards to possible new cross interactions.

11:00-11:30 COFFEE/TEA

Sunday July 15 (11:30 -13:00)

5. Connections with the Antarctic Treaty System (20 mins)
Steven Chown, CO of SC-ATS, will report on SCAR's role within the Antarctic Treaty and progress with the Conservation in the 21st century initiative.
6. Data and Information (35 minutes total)
Taco de Bruin (acting CO of SCADM), Adrian Fox (co-CO of SCAGI) and Bruno Danis (deputy CO of SCADM) will cover data and information issues as well as update members on progress with SCADM and SCAGI.
 - i. The Standing Committee on Antarctic Data Management (SCADM) - Taco de Bruin (15 mins)
 - ii. The Standing Committee on Antarctic Geographic Information (SC-AGI) - Adrian Fox (10 mins)
 - iii. Data Publications - Bruno Danis (10 mins)
7. SCAR and Climate Change - John Turner (20 mins)
John Turner will give a presentation on climate issues. In particular he will cover the annual report to the Treaty meeting and the update to the ACCE report, plus continue discussions on how the SSGs can feed information into the ACCE expert group with regards to advances in their fields of expertise. This will cover both the ACCE Expert Group and the Prediction of Changes in the Physical and Biological Environment of the Antarctic group.
8. Brief report from APECS - Tosca Ballerini (15 mins)
Tosca Ballerini will give a brief update with regards to the Association of Early Career Scientists (APECS)

13:00-14:30 LUNCH

14:30-18:00 SSGs meet in parallel

SSG-LS Sessions – 15 July (14:30-18:00 PM) and 20 July (9:00 AM-6:00 PM)

SSG-LS Documents (Doc) are available at
<http://www.scar.org/researchgroups/lifescience/meetingpapers.html>

Working Papers (WP) are available at
<http://www.scar.org/members/scarmeetingreports/xxxiiportland12/meetingpapers.html>
(requires login)

Sunday 15 July (14:30 – 18:00 PM)

1. **Welcome and Apologies**
Kathy Conlan, Chair, SCAR Standing Scientific Group - Life Sciences (SSG-LS), will formally open the meeting and welcome all members, observers and alternative members.
Apologies will be noted.
2. **Adoption of Agenda and Timetable (Doc 1)**
Members will be asked to propose additional agenda items and adopt the draft annotated agenda and the list of documents, suggesting additions and modifications where appropriate.
3. **Report of the SCAR XXX SSG-LS Meeting, Buenos Aires 2010 (WP 13)**
Members will be asked to approve the report of the SCAR XXXI SSG-LS meeting, Buenos Aires 2010.

4. Discussion of Proposed SRP: State of the Antarctic Ecosystem (AntEco) (WP 7, proposal plus external reviews)

Members will be asked to discuss the AntEco proposal that was presented by Don Cowan during the joint plenary session. External reviews and the response to reviewers will be taken into consideration. The group will be asked to provide advice to the Delegates.

5. Discussion of Proposed SRP: Antarctic Thresholds - Ecosystem Resilience and Adaptation (AnT-ERA) (WP 8, proposal plus external reviews; Doc 12)

Members will be asked to discuss the AnT-ERA proposal that was presented by Julian Gutt during the joint plenary session. External reviews and the response to reviewers will be taken into consideration. The group will be asked to provide advice to the Delegates

6. Comments on 2012 Joint SSGs Meeting

Kathy Conlan will ask members for their comments on items raised in the joint SSG sessions and to discuss any points that are of particular concern to the SSG-LS.

Friday 20 July (9:00 AM – 18:00 PM)

7. Report on Scientific Research Programme, Evolution and Biodiversity in the Antarctic: The Response of Life to Change (EBA) (WP 17) - Guido Di Prisco and Pete Convey

Members will be asked to note progress.

8. Report on preparations for the 11th SCAR Biology Symposium

Leopoldo Sancho will review the preparations for the 11th SCAR Biology Symposium to be held in Spain in 2013.

9. Reports of Expert Groups (*Members will be asked to note progress.*)

- a. Joint Expert Group on Human Biology and Medicine (EG-HB&M) (Doc 10) - Jeff Ayton
- b. Expert Group on Birds and Marine Mammals (EG-BAMM) (Doc 8) - Mark Hindell
- c. Expert Group on Continuous Plankton Recorder Research (EG-CPR) (Doc 9) - Graham Hosie and Mitsuo Fukuchi
- d. Integrating Climate and Ecosystem Dynamics in the Southern Ocean (ICED) (WP 12, pages 24-25) - Eugene Murphy
- e. Advancing Technological and Environmental Stewardship for subglacial exploration in Antarctica (ATHENA) (Cross SSGs Group) (Doc 7) - Jemma Wadham and Peter Doran
- f. LS-SSG will be asked to consider the following recommendations in the Bipolar Action Group (WP 24) report:
 - i. Relevant representatives of biological research in IASC and SCAR should actively consider developing bipolar initiatives, particularly utilising molecular tools to address issues of evolution, adaptation and biogeography.
 - ii. Interested IASC and SCAR groups should be encouraged to collaborate to develop agreed ways to tag molecular data for archive in international molecular databases. This would include geotagging of all polar genomic data.

10. Reports of Action Groups (*Members will be asked to note progress.*)

- a. Antarctic Biodiversity Information Facility (ANTABIF)- Bruno Danis and Claude De Broyer
- b. Environmental Contamination in Antarctica (ECA) (Doc 4) - Gabriele Capodaglio
- c. Seeps And Vents Antarctica (SAVAnt) (Cross SSGs Group) (Doc 11) - Jodie Smith and Phil O'Brien
- d. Prediction of Changes in the Physical and Biological Environment of the Antarctic (PCPBEA) (Cross SSGs Group) (Doc 6) - John Turner and Julian Gutt
- e. Ocean Acidification (Cross SSGs Group) (Doc 5) - Richard Bellerby

11. Financial Requests (Doc 3)

Kathy Conlan will present a proposed budget for the SSG-LS for 2012-13 based on financial requests received before the meeting.

Members will be asked to approve the proposed budget, which will be presented to the Delegates for approval.

12. Informal Discussion of the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR)

Kathy Conlan will present issues of particular importance to the SSG-LS.

13. Recommendations from 2010 (included in WP 13)

Kathy Conlan will review the recommendations submitted in 2010 in Buenos Aires, the response of the Delegates and the progress made during the intercessional period.

Members will be asked to judge which recommendations should stand and which should lapse.

14. New Recommendations

Kathy Conlan will present the new recommendations made in 2012 for the Delegates Meeting.

Members will be asked to review these recommendations.

15. Election of Office Bearers (Doc 2)

Kathy Conlan will ask the members to elect a new Chief Officer and a new Secretary of the SSG-LS.

Names of candidates for the Deputy Chief Officer should be submitted by 12:00 noon 20 July in writing by two voting members of the SSG-LS; the candidate should sign the document approving of the candidacy.

16. Next SSG-LS Meeting (WP 28)

The XXXIIIth SCAR meeting will be in Auckland, NZ from x Aug - x Sept 2014.

Members will be asked to confirm their anticipated attendance or to delegate an alternate.

17. Other Business**18. Approval of Draft Report and Closure**

Members will be asked to review and approve the SSG-LS Draft Report and close the meeting.

List of Documents

Document #	Agenda Item #	Document Title	Presenter
1	2	Agenda	K. Conlan
2	15	Terms of Reference for SSG Chairs	K. Conlan
3	11	SSG-LS Budget for 2013-14	K. Conlan
4	10b	ECA AG Report (<i>Environmental Contamination in Antarctica</i>)	G. Capodaglio
5	10e	Ocean Acidification AG Report	R. Bellerby
6	10d	PCPBEA AG Report (<i>Prediction of Changes in the Physical and Biological Environment of the Antarctic</i>)	J. Turner J. Gutt
7	9e	ATHENA EG Report (<i>Advancing TechNological and ENvironmental stewardship for subglacial exploration in Antarctica</i>)	J. Wadham P. Doran
8	9b	EGBAMM Report (<i>Expert Group on Birds and Marine Mammals</i>)	M. Hindell
9	9c	EG-CPR Report (<i>Expert Group on Continuous Plankton Recorder Research</i>)	G. Hosie M. Fukuchi
10	9a	EGHB&M Report (<i>Joint Expert Group on Human Biology and Medicine</i>)	J. Ayton
11	10c	SAVAnt Report (<i>Seeps and Vents Antarctica AG</i>)	J. Smith P. O'Brien
12	5	Response to Reviews for AnT-ERA	J. Gutt
Working Paper #			
12 (pp. 24-25)		Integrating Climate and Ecosystem Dynamics in the Southern Ocean (ICED)	E. Murphy
7	4	Proposed SRP: State of the Antarctic Ecosystem (AntEco)	D. Cowan
8	5	Proposed SRP: Antarctic Thresholds - Ecosystem Resilience and Adaptation (AnT-ERA)	J. Gutt
13	3	Report of the SCAR XXX SSG-LS Meeting, Buenos Aires 2010	K. Conlan
17	7	Report of Evolution and Biodiversity in the Antarctic (EBA)	G. di Prisco P. Convey
24	9f	Bipolar Action Group (BiPAG II)	
28	16	Report from Action Group on SCAR Meetings and Related Activities (AGMRA)	