

Agenda for SALE GoS meeting; Version 19 November 2001

Dates of meeting: 29 and 30 November 2001

Venue: ENEA - Italian Antarctic Project, Via Martiri Di Monte Sole, 4 40129 Bologna, ITALY

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Meeting details Thursday, 29 November

9:00	9:15	Welcome/Introductions. Appoint meeting reporters: C. Ellis-Evans; I. Tabacco; R. Powell; C. Kennicutt (secretary)	John Priscu
9:15	9:30	Opening Remarks	Mario Zucchelli
9:30	9:50	The role of COMNAP	Karl Erb
9:50	10:30	Environmental Issues	John Shears
10:30	11:10	Inventory of subglacial lakes	Ignazio Tabacco
11:10	11:30	COFFEE	
11:30	12:10	Physical boundary conditions of L. Vostok	Robin Bell
12:10	12:40	Microbial life in Vostok ice: Russian research	Sergey Bulat
12:40	13:10	Microbial life in Vostok Ice: US research	John Priscu
13:10	13:30	General Discussion	Everyone
13:30	15:00	LUNCH	
15:00	15:40	Russian plans for Lake Vostok	Valery Lukin
15:40	16:20	Geological coring and ROV deployment	Ross Powell
16:20	17:00	Deep subglacial <i>in situ</i> technology	Frank Carsey
17:00	17:15	COFFEE	
17:15	18:10	Sampling system for subglacial lakes	Erik Blake
18:10	18:30	General Discussion	Everyone
18:30		Closing remarks, adjourn	John Priscu
21:00		Dinner hosted by ENEA	

Meeting details Friday, 30 November

9:00 9:15 Announcements

- 9:15 10:45
1. Discuss and finalize the terms of reference for the group.
 2. Develop and finalize a charter for the group that includes the following:
 - a) Science plan (embellishing on the SCAR Cambridge report)
 - b) Management plan
 - c) Logistics plan
 - d) Implementation plan
 3. Outline Long-term plan for the SALE GoS
The following schedule is proposed:

Meeting 1 (Bologna, Italy, 29-30 November 2001 - Organizational meeting, agenda setting, state of drilling technology, state of environment, assignment of champions for various issues to begin planning for future meetings.

Meeting 2 - Review of Science Objectives; Management Plan

1. Decide location and date for meeting
2. Possible agenda items
3. Finances
4. What is the possibility of a collaboration of European researchers to form a viable unit that would allow for Europe to be a major contributor alongside the USA in a future subglacial program. How about an Australasian unit?
5. Discuss GoS strategy for encouraging national operators to develop subglacial research programs.
6. Outline a general operational structure for international agreements required.
7. Provide scientific guidance and input to COMNAP deliberations on logistics and drilling technologies for subglacial lake entry and sample retrieval.
7. Consider and recommend organizational strategies /models (Cape Roberts model, etc.) for managing an international effort.
8. GoS involvement in the proposed COMNAP Shanghai workshop.

Meeting 3 Logistics Plan

1. Decide location and date for meeting (Joint with SCAR/COMNAP, Shanghai?)
2. Possible agenda items
3. Ice drilling technology
4. Remote sensing, Robotics, sample retrieval
5. Environmental concerns

6. Analog settings (invite experts?)

Meeting 4 (Joint with COMNAP?) - Implementation Plans

1. Decide location and date for meeting
2. Funding strategies
3. International agreements required
4. Devise a series of SCAR activities to facilitate and promote the exploration of subglacial lakes - targeted workshops?
5. Outline a book or books on subglacial lakes to provide a baseline reference.
6. Environmental assessments

Meeting 5 - Stages of Exploration with detailed needs analysis, recommended international mechanism and organization, **end of the Current SALE GOS.**

1. Finalize long-range plan and charter.

10:45 11:00 **COFFEE**

11:00 12:00 Continue to discuss and finalize the terms of reference for the group.

12:00 13:30 **Begin Discussion of Science plan**

1. Review International interests and commitments
2. Consider outcomes from the workshop at SCAR Biology Amsterdam focusing on contamination issues (C. Ellis-Evans)
3. Consider outcomes from the SCAR-COMNAP meeting in Amsterdam and elsewhere (K. Erb)

13:30 14:30 **LUNCH**

- 14:30 16:30
1. Discuss Ice drilling technology (Erik Blake)
 2. Discuss the environmental realities (J. Shears)
 3. Develop a set of objectives for technology developments related to the science objectives as opposed to entry and retrieval.
 4. Consider the environmental ramifications and how the CEE and EIA process needs to be applied (in collaboration with GOSEAC and the CEP?) (J. Shears)
 5. What are the critical requirements/criteria for study site selection? (I. Tabacco)
 6. Clearly delineate information gaps and the sequence or timing that is needed to progress toward the ultimate goal of lake entry and sample retrieval (R. Bell)
 7. Are their scientific milestones along the critical path to lake entry? If so, what are they? What should the plan be for remaining Vostok ice core? (V. Lukin)
 8. Discuss possible book on subglacial lake research

16:30 16:45 **COFFEE**

- 16:45 18:45
1. What is the relevance and practicality of researching subglacial lakes other than just Vostok and the possibility of looking at appropriate accessible analogues to test methodologies?
 2. Technology development (what will be sampled and how?) (R. Powell)
 3. Refine, expand/embellish the SCAR workshop's scientific objectives (national programs will most likely provide scientific priorities through their funding decisions)

18:45 Closing remarks, adjourn

**PARTICIPANTS FOR SALE GOS MEETING, 29-30 November 2001,
BOLOGNA, ITALY**

GoS Members

Bell, Robin
Bulat, Sergey
Ellis-Evans, Cynan
Kennicut, Chuck
Lukin, Valery
Powell, Ross
Priscu, John
Tabacco, Ignazio

Invited Specialists

Blake, Erik: Ice Field Instruments
Shears, John, BAS, UK
Carsey, Frank, Jet Propulsion Laboratory
Karl Erb, COMNAP CHAIR
Mario Zucchelli, Director ENEA
Helen Gavaghan; Journalist NATURE magazine
Paul Egerton; Executive Secretary for the European Science Foundation Polar Board

VENUE AND DIRECTIONS:

HOTEL SOFITEL - Viale Pietramellara,

It is in front of the railway Station. There is a public bus (Aerobus) from the airport to the railway station.

ENEA - Progetto Antartide

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There is a bus from Bologna Airport to the railway station (AEROBUS) the price is Lit. 8,000 and the tickets may be purchased on the bus.

To reach ENEA from the hotel/railway station the bus is 11C. You will find the bus stop at 150 m on the right of the hotel. You must get off at "Via dell'Arcoveggio". The tickets can be bought at Tobacco shops or Newspaper kiosk.

The best way to reach ENEA or the hotel from the airport is by taxi.

If you arrive by car the motorway (autostrada) exit to ENEA is: "Bologna Arcoveggio". After the exit keep the right, the name of this main street is: tangenziale. After 100 m get off, exit n. 6 (uscita n. 6), at the traffic light turn right. Now you must find the indications to reach "ENEA Arcoveggio". If you don't find the indications you have to turn right after the second traffic light and turn left at the Stop signal. After 10 m on the right you will be in Via Martiri di Monte Sole, in front of ENEA.

General maps are provided below. See also

<http://mappe.virgilio.it/mappe/mappage.asp?locobjsearch=4994&locobjtype=4&ti>

For detailed maps of the area.



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