

RAISE Group Meeting
Best Western Plaza Hotel and Wyndham Hotels, Salt Lake City, UT
Nov. 14-16, 2001

Meeting Minutes – RAISE

Wednesday, Nov. 14

8:30 Following a plenary session with all LAII groups, the RAISE group met separately in the Cottonwood Room, Best Western Plaza Hotel

Discussion was opened by Lee Cooper, RAISE Steering Committee Chair on progress being made on Action Items from 2000 Meeting in Seattle :

- Practical Guide for Conducting Science in Russia (Vladimir Romanovsky)

Vladimir Romanovsky and Sergey Primakov presented information on the current procedures for foreigners to obtain permission to work in the Russian Federation and plans to post it on the RAISE web site, <http://www.raise.uaf.edu>, in the near future.

- Web site development; potential improvements (Lee Cooper/Christopher Shock)

Lee Cooper and Chris Shock discussed development and planned improvements in the RAISE web page. Meeting participants were encouraged to provide files and images for use on the web site. Some additional improvements have been implemented since the Salt Lake City meeting.

- Chukotka science activities and ship clearance challenges (Glenn Sheehan)

Glenn Sheehan provided a presentation on the work of the Barrow Arctic Science Consortium (BASC) in Chukotka and the logistical assistance that is available for researchers through BASC.

- Report on IASC/ISIRA meeting in Oslo in October (Lee Cooper)

Lee Cooper provided a report on the International Arctic Science Committee (IASC) meeting he attended in October, 2001, which was focused on IASC's International Scientific Initiative in the Russian Arctic (ISIRA). The aim of ISIRA is to improve international research coordination, including among bilateral programs such as RAISE among all the circumarctic countries. Additional information is available on IASC's web page, <http://www.iasc.no>

- Russian perspectives on new RAISE research initiatives and other action items (Igor Melnikov)

Igor Melnikov, in his capacity as joint Russian chair of the RAISE steering committee, provided his perspectives on science plan development.

- Activities of the Civilian Research and Development Foundation/Moscow Cooperative Office (Marianna Voevodskaya)

Marianna Voevodskaya made a presentation on the services available from the Civilian Research and Development Foundation, including its grants-in-aid and funds transfer.

- Perspective from the Russian Foundation for Basic Research (Boris Levin)

Boris Levin, Director of Geosciences for the Russian Foundation for Basic Research (RFBR) provided a compilation of all of the Arctic research projects that have been funded by the RFBR to Lee Cooper. One goal is to include English language abstracts, titles, and principal investigator names and coordinates on the RAISE web page so that U.S. investigators will have additional resources and contacts available when planning research in the Russian Federation. Boris Levin was to advise Vladimir Romanovsky and Lee Cooper when permission was received to post the English language abstracts on the RAISE web page.

- Perspective from the Polar Foundation (Vladimir Gruzinov)

Vladimir Gruzinov, an advisor to Duma Vice-Chairman Artur Chilingarov spoke about the challenges that he saw for Russian-U.S. bilateral research. Among his key points was that the lack of a high-level agreement between the U.S. and Russian governments on research in the Arctic was an impediment to improved bilateral research programs.

- NSF Perspective on RAISE (Mike Ledbetter)

Mike Ledbetter encouraged work on a new RAISE/Nearshore science plan and said that the development of a new, focused interdisciplinary research framework was absolutely necessary if the RAISE program was to expand in scope and funding.

1:00 Presentation of RAISE research progress reports

- Sensitivity of the West Siberian Lowland to Past and Present Climate Change (Larry Smith)
- Contemporary Water and Constituent Balances for the Pan-Arctic Drainage System: Continent to Coastal Ocean Fluxes (Bruce Peterson, Max Holmes, and Rich Lammers)
- Carbon cycling on Arctic continental shelves (Igor Semiletov)
- Sea-ice biological dynamics in the coastal zone of the White Sea (Igor Melnikov)
- Arctic Coastal Dynamics (Jerry Brown)
- Linkages between riverine freshwater dispersal, sea-ice formation and large-scale sediment transport in the Central and East Siberian Arctic (Hajo Eicken, Andrey Proshutinsky)
- The Main Features of Permafrost on Coastal Lowlands and Shelf of Laptev and East Siberia Seas" (N.N. Romanovskii, V.E. Romanovsky)
- The Late Pleistocene Glacial and Sea Level History of Wrangel Island, Northeast Siberia (Lyn Gualtieri, Sergey Vartanyan, Julie Brigham-Grette, Patricia Anderson)
- A Measurement Program in Siberia to Assess Disturbance-Driven Changes in Arctic Carbon Fluxes (Jim Randerson, Terry Chapin and Jason Neff)

Thursday, Nov. 15

08:00 Plenary Session

RAISE meeting participants participated in the joint plenary session of OAI, LAI, and RAISE investigators

12:00 (Open RAISE steering committee meeting)

Plaza, Eagle Gate East & West

An open steering committee member meeting was initiated by Lee Cooper, who announced that U.S. steering committee member Sirpa Hakkinen had resigned because of conflicts with her government laboratory position. Some discussion was raised as to possible replacements, but no one was specifically identified, and a decision on a replacement appointment was deferred. Another personnel change will be Bruce Peterson, who will begin serving on the LAI Steering Committee. He will be replaced on the RAISE steering committee by Robert (Max) Holmes of the Marine Biological Laboratory. It was pointed out again, that terms of reference need to be defined for the steering committee and that committee members will rotate on and off to bring new membership to the committee.

The steering committee meeting transitioned into a RAISE synthesis discussion about the Nearshore Initiative and important topics that would need to be incorporated into its science plan. A number of different key topics were identified for description in the draft science plan, among them hydrology, nutrients, coastal erosion, earth system history, human dimensions, and connections to thermohaline circulation in the world ocean. Working chairs were identified with the assignment of preparing draft text on these topics by the end of 2001. The plan is for text, figures, and other information to be provided to Lee Cooper for incorporation into the draft science plan document to be posted on the RAISE web page. The revised document would then be available for discussion in an on-line forum in January, followed by additional work in February, 2002 at the ARCSS All-Hands Meeting in Seattle. It is worth noting that the discussion at this synthesis was attended by many LAI and RAISE investigators; a follow-up discussion the following day under the aegis of OAI attracted more oceanographers; some participants attended and contributed to both discussions. For both discussions, Lee Cooper recorded an outline of the discussion on large tabloid sized paper, and has archived the paper copy for future reference.

Two poster sessions featuring RAISE topics were also held within the LAI and OAI poster sessions:

4:00-5:30 LAI Poster session (land-based RAISE posters)

Plaza Hotel,

3:30-5:00 OAI Poster session (ocean-based RAISE posters)

Wyndham Hotel

Friday, Nov. 16

8:00-10:00 Join OAI breakout session - Nearshore Initiative

Wyndham, Red Butte Room

The OAI sponsored break-out session, mentioned above, was convened by Lee Cooper and Ken Dunton. A description of the progress made the previous day at the LAI breakout session was provided to attendees, and participants pointed out additional research gaps such as atmospheric exchange and albedo that were not identified during the LAI-sponsored discussion. Again, an informal written record of the discussion (on butcher block paper) has been archived by Lee Cooper

Simultaneous with this discussion, some RAISE meeting participants attended the LAI synthesis session that began at 08:00. The RAISE synthesis report was provided by Lee Cooper following

lunch.. A copy of the graphics used in the presentation in Microsoft PowerPoint, is available from Lee Cooper

3:30-5:00 Joint LAII/OAII/RAISE Science Steering committee) *Wyndham Hotel, Wasatch 2*

RAISE steering committee members participated in the joint steering committee meeting. Discussion included progress made on the Nearshore Initiative and the endorsement of the joint steering committee that additional work developing a science plan should go forward.