

AON 2009 PI Meeting- Draft Agenda (11/29/09)

Objectives

- (1) Review current (post-IPY) status of AON science achievements, network scope, lessons learned and future directions as IPY-support winds down.
- (2) Broad look at the issues surrounding network design and optimization
 - a. AON 'design' to-date (how we got to the SEARCH Implementation plan and beyond)
 - b. Outside perspectives (ARGO, TOGA-TAO, OOI, etc)
- (3) Integration with international efforts - placing US-AON in the broader frame of Arctic observing.
- (4) Evaluate data dissemination/data flow, access and usage. Both for science and by stakeholders.

Outcomes and Products

Report that includes:

- Collection of short project progress reports, available on-line prior to meeting, also feeds plenary syntheses talks.
- Summary of lessons learned during the IPY.
- Assessment of key challenges impeding AON development.
- Recommendations for fostering international coordination and collaboration post IPY.
- Assessment of AON data usage by both science and stakeholders.
- Recommendations for encouraging/enabling more widespread data use.

Posters

Participants are encouraged to display posters detailing project achievements. Posters will be on display throughout the entire meeting. The Welcome Reception on Monday evening will provide an opportunity for poster viewing.

Monday, 30 Nov

0745-0815 Registration/Badge Pick-up- (Flagstaff Ballroom Foyer)

Poster room available for poster set up. (Canyon Room adjacent to Flagstaff)

Coffee will be available inside Canyon Room.

Those staying at the Millennium can get the breakfast included with lodging in the first floor Café. Coupons are provided at check in.

0815 Introductory Talks (Flagstaff)

- Meeting Logistics (10 min, local hosts)
- AON Status and Future Directions (15 min, Martin Jeffries)
- Arctic and climate following the IPY (20 min, Mark Serreze)

0900-1145 Disciplinary Overview Talks (Session Leader, Craig Lee)

Integrated progress reports for each discipline at the end of the IPY. Network status, science and technology highlights, lessons learned, system gaps, future objectives and activities, obstacles and challenges. Drawn from the short Project Reports, personal communication with PIs and personal perspective.

- Ice-ocean (30 min, Mike Steele)
- Atmosphere (30 min, Taneil Uttal)
- Hydrology (30 min, Max Holmes)

1030-1045 Coffee Break (*Canyon Room adjacent to Flagstaff*)

- Terrestrial Ecology (30 min, Gus Shaver)
- Human Dimensions (30 min, Maribeth Murray)

1145-1200 General Discussion

1200- 1315 Group Lunch – no charge (*Canyon Room adjacent to Flagstaff*)

1315-1415 Agency Overview Talks (Session Leader, Taneil Uttal)

Summarize AON contributions from outside NSF.

- NOAA (15 min, John Calder)
- NASA (15 min, Fred Lipschultz)
- DOI (15 min, Pete Murdoch)
- ONR (15 min, Scott Harper)

1415 - 1600 Network Design Talks

(Session Leader, Hajo Eicken)

- ADI Task Force Overview (15 min, Hajo Eicken)
- IABP as an early example of AON design (15 min, Ignatius Rigor)
- ARGO (15 min, Breck Owens)

1515-1530 Coffee Break

- Permafrost Network (15 min, Vladamir Romanovsky)
- IASOA (15 min, Darby/Uttal)

1600 - 1730 Breakout Groups - Network Design and Optimization

Group 1-Suite 231: facilitator- Max Holmes, rapporteur- Syndonia Bret-Harte

Group 2- Suite 331: facilitator- Mary Louise Timmermans, rapporteur- Larry Hamilton

Group 3-Suite 431: facilitator- Taneil Uttal, rapporteur- Jim Moore

Group 4-Boulder Creek Living Room: facilitator- Von Walden, rapporteur- Lisa Darby

Parallel groups: all groups address the following questions:

- What lessons can be taken from the design of other observing networks? Are there other examples that the AON community should consider?
- What can be done now by individual AON projects to prepare ground for design and optimization studies; what are the types of design/optimization activities currently employed?
- What level of specificity should design activities aim to provide? For example, should design efforts recommend variables to monitor, general locations and levels of uncertainty, or should they specify exact instrument locations and sampling schemes?
- What tools and approaches hold promise for design exercises and how can they best leverage existing AON projects?

1730-1900 Welcome reception/poster session with heavy hors d'oeuvres and cash beer and wine bar. (Canyon Room adjacent to Flagstaff)

Tuesday, 1 Dec

Coffee will be available inside Canyon Room adjacent to Flagstaff.

Those staying at the Millennium can get the breakfast included with lodging in the first floor Café. Coupons are provided at check in.

0815-0915 Network Design and Optimization Plenary Summaries and Discussion (4 groups 10 min+ 5 min for discussion, Moderator, Hajo Eiken)

- Each group summarizes discussions.
- Plenary discussion to integrate into a single set of answers.

0915-1015 Integrating Activity Talks (Session Chair: Mary-Louise Timmermans)

- Sea Ice Outlook (15 min, Walt Meier)
- AOMIP (15 min, Andrey Proshutinsky)
- Remote sensing (15 min, Walt Meier)
- North Slope Science Initiative (15 min, Denny Lassuy)

1015-1030 Coffee Break

1030 -1145 Data Dissemination and Usage Talks (Session Chair: Jim Moore)

- Status of SEARCH Data Advisory Group activities and planning as relevant to AON data and dissemination efforts (15 min, Steve Oberbauer)
- Example(s) of data delivery to stakeholders and subsequent usage (15 min, Hajo Eiken)
- CADIS overview and Q & A including results from the questionnaire (30 min, Jim Moore)

1145- 1315 Lunch *This will be a special 90 minute lunch to allow AON PIs and meeting participants the opportunity to work with CADIS team members to use and evaluate the CADIS user interface. This can include usability testing and user help for entering AON data and metadata. CADIS Lunch will take place in the main meeting room.*

1315-1500 International Coordination Talks (Session Chair: Mairbeth Murray)

- S4D Summary (15 min, Peter Schlosser)
- ISAC Overview (15 min, Michael Tjernström)
- SAON (15 min, David Hik)
- DAMOCLES/ACOBAR (15 min, Jean-Claude Gascard)
- Norwegian Polar Institute Ice Center (15 min, Edmond Hansen)
- ArcticROOS (15 min, Georg Heygster)

1500-1515 Coffee Break

1515-1715 Breakout Groups- Challenges to AON Development

As in previous breakout, use OCP members as facilitators and rapporteurs.

Assign each group one task.

- Identify gaps in scientific understanding, technology development, logistical capacity and/or political concerns pose challenges to AON design & implementation.

Facilitator: Mary Louise Timmermans, Rapporteur: Max Holmes

- Develop recommendations for promoting international coordination and collaboration. How do we build connections both within the Arctic community and with the lower latitude communities?

Facilitators: Taneil Uttal, Rapporteur: Von Walden

- Develop recommendations for enhancing accessibility & utility of AON data, including CADIS and other data access systems. Both science and stakeholder uses.

Facilitators: Sydonia Bret-Harte, Rapporteur: Jim Moore

Wed, 2 Dec

Coffee will be available inside Canyon Room.

Those staying at the Millennium can get the breakfast included with lodging in the first floor Café. Coupons are provided at check in.

0800 - 1000 Plenary Summaries and Discussion (Moderator: Craig Lee)

- Each group summarizes discussions.
- Plenary discussion to refine breakout findings.

1000-1015 Coffee Break

1015-1030

- Baseline Surface Radiation Network (15 min) Ellsworth Dutton

1030- 1200

Action Items and Meeting Report

Project summaries on the web site

Other issues

1200 Meeting Adjourn