

# Arctic System Synthesis Workshop: New Perspectives through Data Discovery and Modeling

**Arctic System Synthesis Workshop:  
New Perspectives through Data Discovery and Modeling**  
2–4 April 2007 (Monday–Wednesday)  
Bell Harbor International Conference Center  
Seattle, Washington  
**Final Agenda**

**Sunday, 1 April 2007**

**Bell Harbor International Conference Center**

6:00 p.m.–9:00 p.m. Registration and Poster Set-up (Light food and beer) (Sound Room and Cove Room)

**Monday, 2 April 2007**

**Bell Harbor International Conference Center**

(Plenary sessions in Sound Room. Working group sessions in Sound, Waterway, Port, Channel, Seaway, and Coastal rooms)  
\*Plenary sessions were streamed online

**8:00 a.m. Continental Breakfast (Kiosks)**

8:30 a.m. Welcome and Introductions  
Workshop Co-Chairs  
*Charles Vörösmarty, University of New Hampshire*  
*A. David McGuire, University of Alaska Fairbanks*

8:45 a.m. **(172 K - PPT)**  
Arctic Data and Modeling Needs for Improved Arctic System Synthesis: Community-Identified Issues  
*Charles Vörösmarty, University of New Hampshire*

"VISION" TALKS | ~20 minute presentations, plus ten minute questions/discussions

9:15 a.m. **(5.3 MB - PPT)**  
Envisioning Better Integration and Synthesis: A Data Provider Perspective  
*Marc Levy, Center for International Earth Science Information Network (CIESIN)*

9:45 a.m. **(1.1 MB - PDF)**  
An Information Technology Vision for Data Synthesis  
*Mark Parsons, National Snow and Ice Data Center (NSIDC)*

**10:15 a.m. BREAK (Kiosks)**

10:45 a.m. **(10 MB - PPT)**  
Integrating Social with Natural Science: Needs and Some Practical Methods  
*John Walsh, University of Alaska Fairbanks*  
*Larry Hamilton, University of New Hampshire*

11:15 a.m. **(14 MB - PPT)**  
Translating Arctic System Science for Educators, Students, Stakeholders, Policy Makers, and Community Members  
*Elena Sparrow, University of Alaska Fairbanks*

11:45 a.m. Presentation and Discussion on Working Group Topics and Goals for the Afternoon:

- Participants were divided into six (6) working groups. Each working group included participants from each of the four workshop participant categories—data provider, IT expert, data consumer, and knowledge broker—and a cross-section of disciplinary expertise.
- Each working group was assigned "working science examples"—integrated and interdisciplinary scientific questions around which to discuss needs and future approaches to advance arctic system science. These were *not* science planning priorities, but rather were a means of stimulating discussion on the broad issues of data management.
- Three "science examples" were compiled with input from the pre-workshop eTown Meeting and other sources; each science example was "worked" by two of the six working groups.

**12:30 p.m. LUNCH (International Promenade)**

1:45 p.m. Working Group Sessions (Break as needed)

3:45 p.m. Return to Plenary

- Part 1 • Working Group reports:
- Part 2 • Working Group 1 ([Powerpoint](#))
- Part 3 • Working Group 2 ([Word](#))
- Working Group 3 ([Word](#))
- Working Group 4 ([Word](#))
- Working Group 5 ([Word](#))
- Working Group 6 ([Powerpoint](#))
- Summary of working group reports and wrap-up

5:30 p.m. – 7:00 p.m. Reception and Poster Session (Light food and cash bar) (Cove Room)

- All participants were encouraged to bring a poster that describes synthesis research, data and modeling needs within their area of interest, or relevant research findings from integrated projects.

7:30 p.m. *Organizing Committee, ARCSS Committee, and ARCSS Science Management Office (SMO) Dinner (Wild Ginger)*

**Tuesday, 3 April 2007** **Bell Harbor International Conference Center**

**8:00 a.m. Continental Breakfast (Kiosks)**

8:30 a.m. Presentation and Plenary Discussion

- Part 1 • Review of Day 1 discussion, workshop product(s) and day's goal ([Powerpoint](#))
- Part 2 • Discussion of working group sessions on integrative topics that address major issues and sections of workshop report
- Part 3
- Part 4

**10:00 a.m. BREAK (Kiosks)**

10:30 a.m. Working Group Sessions (Combine Monday's six working groups into three groups)

**12:30 p.m. LUNCH (International Promenade)**

2:00 p.m. Return to Plenary: Reports from working groups and discussion of afternoon's goal:

- Part 1 • Working Group 1 ([Powerpoint](#))
- Part 2 • Working Group 2 ([Powerpoint](#))
- Part 3 • Working Group 3 ([Powerpoint](#))
- Part 4

**3:30 p.m. BREAK (Kiosks)**

4:00 p.m. Working Group Sessions (Continued with same working groups)

**5:30 p.m. Adjourn for the day**

5:30 p.m. *Organizing Committee, Working Group Leaders, SMO Meeting (Discussion of workshop report outline)*

6:30 p.m. *Organizing Committee, ARCSS Committee, Working Group Leaders, SMO Dinner (Anthony's)*

**Wednesday, 4 April 2007** **Bell Harbor International Conference Center**

**8:00 a.m. Continental Breakfast (Kiosks)**

8:30 a.m. Plenary Session Discussion and Working Group reports:

- Part 1 • Presented workshop report outline and discussion of day's goal ([Powerpoint](#))
- Part 2 • Working Group reports:
- Part 3 • Working Group 1 ([Powerpoint](#))
- Part 4 • Working Group 2 ([Powerpoint](#))
- Working Group 3 ([Powerpoint](#))

**10:00 a.m. BREAK (Kiosks)**

10:30 a.m. Return to Plenary: Presentation and Discussion of Next Working Group Topics ([Powerpoint](#))

11:00 a.m. Working Group Sessions:

- Development of key recommendations for workshop report
  - Working Group 1 - Collaboratory Development
  - Working Group 2 - Data Issues
  - Working Group 3 - Outreach, Education, and Public Policy Recommendations

**12:00 p.m. LUNCH (International Promenade)**

1:30 p.m. Return to Plenary: Working Group Reports:

- Part 1 • Working Group 1 - **Collaboratory Development**
- Part 2 • Working Group 2 - **Data Issues**
- Part 3 • Working Group 3 - **Outreach, Education, and Public Policy Recommendations**
- Part 4

Presentation and Discussion on Key Recommendations, Report Development, and Follow-up Activities (**Powerpoint (downloads/Wednesday/5 Wed Summary Final Vorosmarty.ppt)**)

2:30 p.m. Meeting Adjourns

2:45 p.m. – 3:30 p.m. *Organizing Committee, SMO Met to Discuss Action Items and Follow-up Activities*