

## **The Amerasian Basin and its Margins**

An NSF-Supported Community Meeting

Held in Washington, DC at the offices of the Joint Oceanographic Institutions

8 - 9 June 2004

Monday 7 June

5:30-7:00 Icebreaker at Sheraton Four Points - brief welcoming and introductory remarks

Tuesday 8 June

08:00 Gathering at the Offices of the Joint Oceanographic Institutions (1201 New York Avenue NW; Suite 400)

08:15 Welcome from Jane Dionne (NSF Arctic Natural Sciences)

08:30 Introduction to the task at hand; Bernard Coakley (Geophysical Institute)

Theme 1) Ocean Structure/Tectonics - *What are the possibilities for plate models in the Amerasian Basin?*

Discussion Leader – Coakley

08:45 **Cretaceous to recent tectonics of the Arctic**

Lawrence Lawver (University of Texas)

09:05 **Application of SCICEX geophysical data for tectonic studies in the Amerasian Basin**

James Cochran (Lamont-Doherty Earth Observatory)

09:25 Theme 1 Panel Discussion

09:55 Coffee/Juice Break

Theme 2) Continental Structure/Tectonics - *What is the history on shore?*

Discussion Leader – John Tarduno (University of Rochester)

10:10 **Continental Structure/Tectonics and Formation of Amerasian Basin**

Elizabeth Miller (Stanford)

10:20 **Amerasian Basin questions: a view from Europe**

Robert Scott (Cambridge Arctic Shelf Project)

10:40 Theme 2 Panel Discussion

Theme 3) Pre-Quaternary paleo-oceanography - *What do we know? What can we learn from further drilling?*

Discussion Leader – Rick Murray (Boston University)

- 11:10        **An Overview of Depositional Environments in the Arctic Ocean**  
Kate Moran (URI)
- 11:30        **Paleoceanography of the Arctic: Progress and Promise**  
Jim Zachos (UCSC)
- 11:50        Theme 3 Panel Discussion
- 12:20        Box Lunch Provided; Discussions can continue.
- Theme 4) Quaternary history of glaciation and climate change - *How can we integrate land records with Observations from the seafloor?*  
Discussion Leader – Steve Forman (University of Illinois)
- 01:00        **Cenozoic Evolution of the Arctic Basin: from forests to tundra & sea ice**  
Julie Brigham-Grette (University of Massachusetts)
- 01:20        **Quaternary stratigraphy, paleoceanography, and glacial history of the Amerasian Basin**  
Leonid Polyak (Ohio State University)
- 01:40        Theme 4 Panel Discussion
- 02:10        Break
- 02:30        1st meeting of break out groups - define BIG problems (Opportunity for "three overhead" presentations).
- 05:00        Collect together again; 5 minute report from each group.
- 05:30        Day's Summary; Plan for tomorrow; Encourage Discussions to continue over Dinner.

Wednesday 9 June

- 08:00        Gathering
- 08:15        The Tasks for the day.
- 08:20        Report of Plans and Opportunities for Collaboration with Canadians  
Ruth Jackson (Geological Survey of Canada)
- 08:40        Report of Plans and Opportunities for Collaboration with Russians  
Andrei Zayonchek (VNIIO)
- 09:00        Report of Plans and Opportunities for Collaboration with the Alfred Wegner Institute  
Wilfried Jokat (Alfred Wegner Insitute)

09:10 Report of Plans for Mapping and Study of Northern Greenland  
Christian Marcussen (Geological Survey of Denmark and Greenland)

09:20 Discussion of International Collaborative Opportunities

10:15 Break

10:30 Return to Break Out Groups

12:00 Lunch as on Tuesday

12:30 Five minute reports from each group.

01:00 Writing Assignments; Return to Groups

03:00 Regroup and Discuss

03:30 Summing up and release of the dedicated