

Arctic Land Surface Hydrology: Moving Towards a Synthesis

Princeton University
December 4th-6th, 2006

Monday, December 4th, 2006

Introduction

Equad E-219

9am – 12pm	Introduction Project overviews Examining overarching science questions among projects and how their relations with larger research programs
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Datasets

Equad E-219

Purpose of this session is for the projects to exchange information regarding data set availability, gaps in data and planned data acquisition and archiving.

1pm – 3:30pm	Field Observations	Kurbatova Oltchev
	'Operational' in situ data and RIMS	
	Discharge data from the R-NET Dataset	Rennermalm
	Remote sensing datasets and associated products	McDonald Podest
	Global data sets	Troy Bohn

Models

Purpose of this session is for the projects to exchange information regarding various modeling approaches being considered for the projects, including current applications for the Arctic, identifiable gaps in process representation, and/or needed modeling approaches for addressing the science questions.

4pm – 6pm	VIC Land Surface Model updates to better model the hydrology of the NEESPI region	Bohn Bowling
	Earth System Model	Schnur
	Coupled Models (WRF, MM5, etc)	

Reception

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Tuesday, December 5th, 2006

Understanding Current Data Sources / Models and Our Needs

Equad E-219

Purpose of this session is a synthesis of the Monday discussions, with a focus on whether the data and modeling approaches and resources are sufficient to address the science questions, both at the individual project level and for any joint (inter-project) activities.

9am – 10:30am Assessing data sources:
 What do we have? What do we need?
 Assessing current models:
 Are they sufficient for our research goals? If not, what needs to be improved?

Towards a Synthesis – I

Equad E-219

Purpose of this session is to discuss synergistic activities among the projects, including the Freshwater Initiative, which is coming to a close.

11am – 12:30 pm Synergy among project science questions, synthesis science issues, relationship between FWI activities and NEESPI projects
 Understanding of how we will advance the science questions listed on Monday

1:30pm – 3pm Potential for cross-project collaboration on data sharing, modeling and joint science products. Tentative prioritization of inter-project activities.

Project Break-out Sessions

3:30pm – 6 pm NEESPI Carbon Project
 Dean's Conference Room, Friend Center Room 114
 NEESPI Water and Energy Fluxes / Arctic Synthesis
 Bowen Hall Conference Room, Bowen Hall 319

Dinner at 6:15 pm.

Wednesday, December 6th, 2006

Towards a Synthesis – II

Equad E-219

Purpose of this session is to finalize any synergistic activities among the projects.

9am – 12:00am Update on break-out sessions, particularly with synergy discussions
 Prioritization of project and joint inter-project activities
 Understanding of how we will advance the science questions listed on Monday and Tuesday
 Cross-project collaboration on data sharing and modeling

Workshop Attendees

Eric Wood	Princeton University	efwood@princeton.edu
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