

North Slope Decision Support System for Water Resources and Planning and Management --- Stakeholder Workshop #3

University of Alaska Fairbanks
Duckering 531
April 27-28, 2011

Project Overview

The University of Alaska Fairbanks, together with Texas A&M University and Atkins Consulting have been working with the US Department of Energy to develop a decision support system for use by water resource stakeholders on Alaska's North Slope. The decision support system consists of a series of interconnected data storage, management, and processing utilities designed to enhance the ability of stakeholders to assess the information needed to make sound water use decisions. The North Slope Decision Support System (NSDSS) explicitly considers factors such as optimal water use, direct and cumulative environmental impacts, and multiple objectives/values among the various stakeholders. Although the NSDSS has been designed to focus upon water resources associated with oil and gas activities, the data management platform is modular and readily available for other uses such as ecosystem studies, general hydrologic studies, and municipal water supply investigations. The NSDSS is available free of charge to any stakeholders expressing an interest. Examples of stakeholders that might benefit from the NSDSS include oil and gas managers, federal and state regulatory agencies, municipal environmental and water resource planners, non-profit environmental groups, and arctic researchers.

Stakeholder Workshops

Input from the North Slope water resource stakeholders is critical to the success of the NSDSS. Although the system designers are entirely capable of assembling the data management software, they require stakeholder input in order to be able to ascertain what sorts of decisions need to be made, what are the processes by which those decisions are made, and what information is required to make those decisions. Consequently, the NSDSS team has held a series of stakeholder workshops in order to facilitate integration of stakeholder input into the final product. The third of these workshops is being held on the UAF campus on April 27 - 28, 2011. Please see attached map for location and parking.



Workshop #3 Goals and Overview

The 3rd NSDSS Stakeholder Workshop will present the completed NSDSS system and allow stakeholders to use it in a "hands-on" fashion. The NSDSS development team will solicit suggestions for technology improvement including leveraging and integration of other stakeholder resources. Group discussion will define appropriate application case studies. Strategies for completing these case studies and other development goals will be discussed.

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WORKSHOP AGENDA

WEDNESDAY, April 27

8:30-9:00 Coffee & Bagels

9:00 – 12:00 Morning Session

Overview of NSDSS Project and Workbench Functionality

Using the NSDSS: Data Explorer & Data Publishing

12:00 - 1:00 Lunch

1:00 – 4:00 Afternoon Session

Using the NSDSS: Environmental Analysis

Using the NSDSS: Ice Road Planning

ADJOURN (4:00)

THURSDAY, April 28

8:30 - 9:00 Coffee & Bagels

9:00 – 12:00 Morning Session

Case Study Development

Future Directions & Wrap up

ADJOURN (12:00)

Please Let Us Know if You Plan to Attend!

The Workshop is free for all attendees. Lunch will be provided on Day 1, and snacks will be provided during breaks on Days 1 and 2.

To confirm your attendance or make further inquiries, please contact...

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The Workshop will be held in Duckering 531 (Building #20 on Map). Public parking is available in the Taku or Nenana parking lots.

