

SEARCH for DAMOCLES (S4D)

Overview

A partnership has been formed between SEARCH and the Developing Arctic Modeling and Observing Capabilities for Long-term Environmental Studies (DAMOCLES) program. The two programs share several scientific objectives including large-scale observations of the Arctic Ocean sea-ice cover and circulation and key atmospheric processes, integration and assimilation of observations with models, and assessment of environmental and human impacts. DAMOCLES is a European consortium of 45 institutions in 12 countries, working to develop an arctic atmosphere-ice-ocean observing system; the DAMOCLES Integrated Project (2005–2009) is supported by the European Union (E.U.) under its 6th Framework Programme.

The SEARCH for DAMOCLES (S4D) partnership is supported by both E.U. and U.S. funding for 3 years (2006–2009) to:

- » Coordinate across the Atlantic the scientific efforts to make systematic observations of atmospheric and oceanic variables in the Arctic and subarctic domain, including those of sea ice, so as to improve forecasting of the arctic marine and atmospheric environment, as well as projections of long-term trends;
- » Consolidate long-term observations required for documentation and modeling of change and in particular predictions of extreme climate events; and
- » Establish common European/U.S.databases and contribute to international programmes.

Meetings were held in October and December 2006 to discuss collaborative opportunities between the two partners, and another meeting is planned for the DAMOCLES General Assembly in Oslo at the end of November 2007.

S4D Steering Committee

Jean-Claude Gascard, co-chair
Universite Pierre et Marie Curie

Peter Schlosser, co-chair
Columbia University

Cecilie Mauritzen
Norwegian Meteorological Institute

Hajo Eicken
University of Alaska

Ralf Döscher
Swedish Meteorological and Hydrological Institute

John Walsh
International Arctic Research Center

Greta Hovelsrud-Broda
Center for International Climate and
Environmental Research

Jack Kruse
University of Massachusetts

Øystein Godøy
Norwegian Meteorological Institute

Matthew Berman
University of Alaska

Klaus Dethloff
Alfred Wegener Institute

Mark Parsons
National Snow and Ice Data Center

Ursula Schauer
Alfred Wegener Institute