HARC Science Workshop 2003

Day 1 - Saturday, 25 October 2003

Welcome and Introductions
Henry Huntington
Director, HARC SMO

Report from Montreal IHDP meeting
Barbara Morehouse
University of Arizona

Session 1: Human-Environment Interactions Research beyond HARC
This session covers developments in other research similar to HARC, emphasizing theoretical and methodological approaches that may be relevant to HARC research

Humans within Ecosystems: Getting Beyond 'Human Impacts' along the Southern Bering Sea and North Pacific
Herb Maschner
Idaho State University

Analyzing Climate Impacts: Experiences from CLIMAS
Barbara Morehouse
University of Arizona

Human Dimensions in European-funded Arctic Research
Bruce Forbes
University of Lapland

Session 2: Patterns in Arctic Human Dimensions
In the context of human dimensions research, this session focuses on the relationship between general patterns and individual characteristics, the ability to generalize in human dimensions research, indicators of types of social-natural interactions, and a conceptual framework for human dimensions research.

Introduction
Ben Fitzhugh
University of Washington

How Climate Change Affects Society:Findings from the Northern Atlantic
Larry Hamilton
University of New Hampshire

Vulnerability of Communities in the Canadian Arctic to Risks Associated with Climate Change: A Framework for Assessment
James Ford
University of Guelph

Human Impacts to Fire Regime in Interior Alaska.
La'ona DeWilde
University of Alaska Fairbanks

Session 3: Connections between Society and Environment
This session explores the closeness of social-natural coupling, changes over time in that relationship, and linking social/human dimensions research with natural science.

Introduction
Astrid Ogilvie
University of Colorado

Context and Climate Change: Lessons from Barrow, Alaska
Ron Brunner
University of Colorado

Designing a Regional Integrated Climate Research Program for the Pacific Northwest: Evolving Research Priorities for the University of Washington Climate Impacts Group
Alan Hamlet
University of Washington

"Long Term Sustainability in Northern Iceland: Saving the Ducks and Losing the Soil"
Greg Finstad
University of Alaska Fairbanks

"Can Human-Dimension Research Change the Human-Environment Connection?"
Thomas H. McGovern

Hunter College CUNY

Session 4 : Methods in Human Dimensions Research
Within traditional disciplines, academic enquiry depends on established practices and methods. This session will concentrate on several key questions related to human/environment interactions research: What kinds of approaches are well-suited to human dimensions research? Do these methods help us to combine data from various disciplines? Do they encourage the lowering of communication barriers between disciplines? In short, what are the 'standard methods' that human dimensions researchers broadly agree on as central to the field of social-ecological systems?

Introduction
Gary Kofinas
University of Alaska Fairbanks

Using Models in Interdisciplinary Synthesis: Some Generalizations from a Four-Discipline Case Study
Craig Nicolson
University of Massachusetts

Shared Knowledge for Decision-Making on Environment and Health Issues in the Arctic
Nancy Maynard
NASA, Earth Sciences Directorate

"Learning from the Local: Case Study Approaches to Human Dimensions Research" *Hallie Eakin*
Universidad Nacional Autonoma de Mexico

Day 2 -Sunday, 26 October 2003

The State of Human Dimensions Research in the Arctic
Discussions to address the overall workshop questions:

- How do we define the field of Human/Environment Interactions?
- What is needed to advance the field, with emphasis on the Arctic?

Breakout Group 1

Breakout Group 6

"HARC research considers human activity, both within and outside the Arctic, as a link and vital driver among the terrestrial, marine, and climatic subsystems. Accordingly, the initiative provides a significant opportunity to integrate ecosystem and climate studies with a broad range of the social sciences."
-- People and the Arctic: A Prospectus for Research on the Human Dimensions of the Arctic System.