DR. CHANDA L. MEEK

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APPOINTMENT

2009 Assistant Professor
Department of Political Science
University of Alaska Fairbanks

Interdisciplinary social science faculty responsible for the following courses: Arctic Governance and Politics, U.S. Environmental Politics, Political Economy, International Relations of the North, Comparative Indigenous Rights and Policies, Government and Politics of Canada, Government and Politics of Russia, Research design seminar for the Resilience and Adaptation Program

Research focus: Institutional dimensions of sustainability, social-ecological systems, comparative policy implementation, human dimensions of wildlife management, Arctic marine governance

EDUCATION

University of Alaska Fairbanks

PhD, Natural Resources and Sustainability, August 2009

Dissertation Title: Comparing marine mammal co-management regimes in Alaska: three aspects of institutional performance

York University, Toronto, Ontario, Canada

Master of Environmental Studies, Faculty of Environmental Studies, June 1999 Specialization: Political issues in northern resource management, Canadian-Indigenous relations. Major Paper: *Transnational social movement organizations and boreal forest management: the case of the Taiga Rescue Network*

Western Washington University, Bellingham, Washington

Bachelor of Science (Honors Program), Huxley College of Environmental Studies, March 1996. Major: Marine Biology, Minor: Environmental Policy Honors Thesis: *The Little Country that Could: Danish Energy Policy and Practice*

University of Kansas, Department of Russian Language, Lawrence, KS. Intensive Russian language course, Summer 1997

DiS, Denmark's International Study Program, Copenhagen, Denmark. Study abroad program in Marine Environmental Science, Spring semester 1995

RESEARCH EXPERIENCE

- Senior scientist, 2012 present "Alaska Adapting to Changing Environments" (ACE). ACE is an EPSCOR research agenda connecting investigators at all three University of Alaska Major Academic Units and is designed to model physical, ecological and social drivers of change in three test cases in order to examine adaptive capacity. I am co-lead of the Northern test case and will be conducting an institutional analysis relating to a community's ability to steer land use and land cover change.
- Co-PI, 2012 present "Building capacity for community-based marine mammal conservation in Bristol Bay"
 This project with Bristol Bay Native Association explores the integration of traditional, historical, field, and archival information on marine mammals and environmental change in three communities within Bristol Bay and the Alaska Peninsula. The data will be represented through GIS maps and useful for conservation goals of the communities.
- **PI,** 2011 present "Scientists as agents at the science-policy interface"

 This project involves a host of collaborators within the Resilience Alliance Young Scholars network working on an empirical investigation into the role of scientists in attempting to transform environmental policy.
- **PI,** 2010 present "Comparative analysis of adaptive governance of marine mammals" This project is an active investigation of governance and cross-scale management of marine mammals in Alaska, Northern Canada, Greenland, Norway and Russia with Alaskan and international colleagues.
- **Co-PI**, 2010 2012 "Black Bear Management in Alaska: The Role of Perceptions, Policies and Decision-Making"

This EPSCOR-supported project was interdisciplinary and focused on understanding predator control from a social science perspective. Shannon Donovan at the University of Alaska Anchorage was the lead PI.

Co-PI, 2009 – 2011 "Strengthening Institutions"

I co-directed an EPSCOR and NSF-funded interdisciplinary research project examining institutional design for cooperative, ecosystem-based management in the Beaufort and Chukchi Seas.

Collaborator, 2009 – present "Understanding The Effects of Environmental Change on Governance for Northern Species and Ecosystems"

This project is lead by Douglas Clark of the University of Saskatchewan and is an investigation of policy responses and reform for endangered species threatened by climate change.

- **Co-PI,** 2008 2010 "Human Dimensions of Marine Mammal Management." I co-directed an interdisciplinary research project linking researchers in Alaska, Nunvut and Finland tasked with identifying drivers of marine mammal harvesting in Arctic communities and theorizing properties of effective cross-scale governance.
- Doctoral Researcher, University of Alaska Fairbanks, 2003 2008

 Conducted interdisciplinary research comparing the U.S. Fish & Wildlife Service to the National Marine Fisheries Service in their implementation of comanagement regimes in Alaska for polar bears and bowhead whales. Committee: Dr. Gary Kofinas, Dr. Amy Lovecraft, Dr. Sue Hills and Dr. Richard Caulfield.
- **Research Fellow**, EPSCOR, University of Alaska Fairbanks, 2008.

 Conducted interdisciplinary research integrating social and natural sciences and participated in research strategy workshops.
- Theme co-leader, North by 2020 Initiative, University of Alaska Fairbanks, 2007 2009 Developed a research program, activities, and a proposed symposium together with Dr. Keith Criddle and Martin Robards. Our theme work focused on the adaptive capacity of institutions regulating the use of living marine resources in Alaska during a time of rapid change.

Research Assistant, Geophysical Institute, University of Alaska Fairbanks, Summer 2007.

Analyzed the adaptive capacity of institutions relating to ecosystem services from sea ice and drafted a journal article in preparation with a political scientist, Dr. Amy Lovecraft and a sea ice physicist, Dr. Hajo Eicken.

- **Research Assistant**, Dept. of Political Science, University of Alaska Fairbanks, 2005. Compiled information relating to transborder resource management in Alaska, Yukon and Northwest Territories for Dr. Amy Lovecraft.
- **Research Assistant**, Faculty of Environmental Studies, York University, 1996.

 I worked as a primary researcher for Dr. Patricia Perkins in her work concerning the ecological economics of the global metals trade. I also worked as a strategist with the Riverdale (Toronto) Lead Committee in its community awareness program regarding a local smelter and environmental justice issues.

SELECTED GRANTS AND AWARDS

Fellowships

2008 – 2009	University of Alaska Dissertation Completion Fellowship
2008	Institute of Arctic Biology Summer Fellowship
2008	Alaska Experimental Program to Stimulate Competitive Research
	Graduate Fellowship, Spring semester

2006 – 2008 2003 – 2006	University of Alaska Graduate School Fellowship NSF-sponsored Integrative Graduate Education and Research Training Fellowship
2004	Mary Croxton Fellowship for the study of the lands and peoples of Alaska
Grants	
2012-2014	Co-PI for Sea Grant project, "Building Capacity for Community-based Marine Mammal Conservation in Bristol Bay" with the Bristol Bay Native Association
2010-2011	Co-PI for EPSCOR Integrative Faculty Development Grant
2010	Co-PI for National Science Foundation Grant Office of Polar Programs Award for "Strengthening Institutions Project" with Sharman Haley. OPP Award 1012177
2008 - 2010	Co-PI for U.S. Marine Mammal Commission grant
2006 – 2008	National Science Foundation Dissertation Improvement Grant Office of Polar Programs OPP Award 0612523
2008	EPSCOR travel grant to Resilience 2008 conference, Stockholm, Sweden, April 14 – 16
2007	Association of Canadian Studies in the United States travel grant to present a paper at their annual conference, Toronto, Ontario
2006	Institutional Dimensions of Global Environmental Change (IDGEC) travel grant to present an invited paper at their conference in Bali, Indonesia
2004	International ICARP II travel grant to present a research poster in Copenhagen, Denmark
2003	NSF travel grant to attend the SEARCH meeting, Seattle, Washington
Honors	
1999	York University Faculty of Environmental Studies Occasional Paper Series Selection Award for Major Paper
1990 – 1996 1996	Dean's list, multiple years, Western Washington University Honors program graduate, Western Washington University

PUBLICATIONS

Peer-reviewed journal articles

Meek, CL. 2013. Forms of collaboration and social fit in wildlife management: a comparison of policy networks in Alaska. Global Environmental Change 23(1): 217-228.

Clark, D, CL Meek, J Cheechoo, S Clark, A Foote, J Lam, D Lee, and G York. 2013. Polar Bears and CITES: a rejoinder to Parsons and Cornick. Marine Policy 38: 365-368.

Lovecraft, ALL, **CL Meek**, H Eicken. 2013. Assessing the fit between marine resource management institutions and sea ice governance issues in Northern Alaska. Polar Geography 36(1-2): 105-125.

Biggs, R. et al. 2012. Towards principles for enhancing the resilience of ecosystem services. Annual Review of Environment and Resources 37: 421-448.

Meek CL, AL Lovecraft, M Dowsley, R Varjopuro, and AT Dale. 2011. Adaptive governance and the human dimensions of marine mammal management: implications for policy in a changing North. Marine Policy 35(4): 466-476.

Meek CL. 2011. Putting the U.S. polar bear debate into context: the disconnect between old policy and new problems. Marine Policy 35(4): 430-439.

Lovecraft AL and **CL Meek**. 2011. The human dimensions of marine mammal management in a time of rapid change: comparing policies in Canada, Finland and the United States. Marine Policy 35(4): 427-429.

Robards, MR, ML Schoon, **CL Meek** and NL Engle. 2011. The importance of social drivers in the resilient provision of ecosystem services. Global Environmental Change 21(2): 522-529. doi:10.1016/j.gloenvcha.2010.12.004

Meadows A, C Meek, S McNeely. 2009. Towards integrative planning for climate change impacts on rural-urban migration in Interior Alaska: a role for anthropological and interdisciplinary perspectives. Alaska Journal of Anthropology 7(1): 57-69.

Robards MR, JJ Burns Sr, **CL Meek**, A Watson. 2009. Limitations of an optimum sustainable population or potential biological removal approach for conserving marine mammals: Pacific walrus case study. Journal of Environmental Management 91(1): 57-66.

Meek CL, AL Lovecraft, MD Robards, GP Kofinas. 2008. Building resilience through interlocal relations: case studies of polar bear and walrus management in the Bering Strait. Marine Policy 32(6): 1080-1089.

Journal articles in review

Epstein, G, I Ibarra-Sosa, M Schoon and CL Meek. In review. Governing the Invisible Commons: Ozone regulation and the Montreal Protocol. International Journal of the Commons.

Journal articles in preparation

Meek CL and S Haley. An experimental workshop in institutional design: testing the robustness of ocean governance institutions with policymakers in Alaska.

Meek CL and GP Kofinas. You manage, we cooperate: evaluating the role of agency culture in marine mammal co-management outcomes.

Rosenberg J and CL Meek. Oil Exploration in the Arctic Offshore: Democracy, Complexity and Institutional Design.

Peer-reviewed book chapters

Meek CL. Conservation of marine mammals in Alaska: the value of policy histories for understanding contemporary change. 2011. Chapter in Lovecraft, AL and Eicken, H (eds.), North by 2020 synthesis. Fairbanks: University of Alaska Press. Pages 359-375.

Haley, S, L Chartier, G Gray, **CL Meek**, J Powell, AA Rosenberg, and J Rosenberg. Strengthening Institutions for Stakeholder Involvement and Ecosystem-based Management in the U.S. Arctic Offshore. 2011. Chapter in Lovecraft, AL and Eicken, H (eds.), North by 2020 synthesis. Fairbanks: University of Alaska Press. Pages 457-476.

Kofinas G, SJ Herman, **CL Meek**. 2007. Novel problems require novel solutions: innovation as outcome of adaptive co-management. In Theory and Practice of Adaptive Co-management. Fikret Berkes, Nancy Doubleday, Derek Armitage (eds). Vancouver: UBC Press.

Meek CL. 2004. Political issues in resource management. Nutall, Mark (ed), entry in Encyclopedia of the Arctic, 1st edition, New York: Routledge.

Dissertation and theses

Meek CL. 2009. Comparing marine mammal co-management regimes in Alaska: three aspects of institutional performance. Dissertation in partial fulfillment of the Doctor of Philosophy degree, Department of Resources Management, University of Alaska Fairbanks.

Meek CL. 1999. The Role of a Transnational Social Movement Organization in Boreal Forest Management: the case of the Taiga Rescue Network. Major paper for partial fulfillment of Master of Environmental Studies, Faculty of Environmental Studies, York University, Toronto, Canada.

Selected conference presentations and workshops

Meek CL. 2012. Workshop chair, Policy-science interface project. Resilience Alliance Young Scientists' Network meeting, Askö, Sweden, August 20-24.

Meek CL and S Haley. 2012. An experimental workshop in institutional design: testing the robustness of ocean governance institutions with policymakers in Alaska. IPY 2012: From Knowledge to Action, Montreal, Quebec, April 23.

Rosenberg J and **CL Meek**. 2012. Oil Exploration in the Arctic Offshore: Democracy, Complexity and Institutional Design. International Studies Association Meeting, San Diego, CA, April 1.

Meek CL. 2011. Panel host: The art and science of governing: politics and policy in the polar bear regime. International Congress of Arctic Social Scientists, University of **Akureyri**, Iceland, June 26.

Meek CL. 2011. The institutional dimension of sea ice service conservation. International Congress of Arctic Social Scientists, University of Akureyri, Iceland, June 24.

Meek CL. 2011. Panel co-host: Resilience thinking and the policy sciences: thoughts towards productive engagement. Panel with co-host Douglas Clark, Ronald Brunner and Lance Gunderson. Resilience 2011 Conference, Arizona State University, Tempe, March 13.

Meek CL and S Haley. 2011. Testing the robustness of institutional design with Alaskan ocean policy decision-makers. Resilience 2011 Conference, Arizona State University, Tempe, March 15.

Meek CL and S BurnSilver. 2011. Steering through political struggles: bowhead whaling and policy networks in Alaska. Resilience 2011 Conference, Arizona State University, Tempe, March 13.

Meek CL. 2011. Co-host: Strengthening Institutions Workshop, Anchorage, Alaska, March 3-5.

Meek CL. 2010. Coping with complexity through diagnostic analyses in a rapidly changing Arctic. North American meeting of the International Association for the Study of the Commons, Arizona State University, Tempe, October 1.

Meek CL. 2010. Bridges and barriers to the cross-scale governance of Arctic marine mammals in a time of rapid change. Oslo International Polar Year Conference, Oslo, Norway, June 8.

Lovecraft AL, CL Meek, H Eicken. 2010. Creating an effective Arctic Observation Network: balancing sea ice system data collection with stakeholder needs in realms of policy conflict. State of the Arctic 2010, Miami, March 18.

Meek CL. **2009**. Marine policy in the Arctic. Presentation given to the UAF National Security Colloquium, Fairbanks, October 15.

Meek CL. 2009. Enhancing the fit of marine policy in Alaska through the use of local networks. Presentation given to the International Marine Conservation Congress, George Mason University (Fairfax), Washington, DC, May 21.

Meek CL. 2009. Enhancing the fit of marine policy in Alaska through the use of local networks. Presentation given to the Inland Northwest Research Alliance Conference, Fairbanks, Alaska, March 6.

Meek CL and AL Lovecraft. 2008. Putting the U.S. polar bear debate into context: the disconnect between old policy and new problems. Presentation given to the International Congress of Arctic Social Sciences VI, Nuuk, Greenland, August 22-26.

Haley S, M Galginaitis, G Gray, **CL Meek**, J Powell, J Rosenberg and B Valcic. 2009. Strengthening institutions for local involvement in management of offshore oil and gas. Presentation given to the Inland Northwest Research Alliance Conference, Fairbanks, Alaska, March 5.

Lovecraft A and **CL Meek**. 2007. Polar Bear Politics: A Comparative Analysis of Canada and the United States. Presentation given to the Association for Canadian Studies in the United States, Toronto, Ontario, Nov. 16, 2007.

Meek CL. 2006. Evaluating the effect of agency culture on institutional performance. Invited presentation to the Institutional Dimensions of Environmental Global Change Conference, Bali, Indonesia.

Meadow A, **CL Meek**, S McNeeley 2006. Environmental Change, Urbanization, and Adaptation in the Communites of Alaska. Presentation to the Society for Applied Anthropology, Vancouver, BC.

Meek CL 2005. The Role of Traditional Knowledge in Marine Mammal Policy Science. Presentation given at the Association for Politics and the Life Sciences annual meeting, Washington, D.C.

Peer-reviewed conference proceedings

Meek CL. 2007. The effect of federal agency culture, bureaucratic structure, and agency history on the co-management of marine mammals management in Alaska. Proceedings of the 2006 IPSASS Seminar held in Kujjuaq, Quebec. Quebec City: Université Laval.

Meek CL, A Meadow, A Godduhn, S Wall. 2004. Scenarios of social response to climate change impacts on two subsistence resources in Interior Alaska: an analysis of resilience and vulnerability in Extended Abstracts of the Arctic Climate Impact Assessment International Scientific Symposium on Climate Change in the Arctic, Reykjavik, Iceland.

Eicken H, AL Lovecraft, **CL Meek** and M Druckenmiller. 2008. Rapid Arctic change and implications for sea-ice use and its management at the local and regional level: an example from Alaska. Eos Trans. AGU, 89(53), Fall Meet. Suppl., Abstract U24B-09

Other publications, reports

CL Meek, AL Lovecraft, A Dale, M Dowsley, R Varjopuro. 2009. Synthesis Report on Human Dimensions of Marine Mammal Management, a report from the International Congress of Arctic Social Scientists, August 23, 2008, Nuuk, Greenland to the U.S. Marine Mammal Commission in fulfillment of grant

Selected Posters

Meek CL, M Druckenmiller and A Liljadahl. 2012. Poster presentation: The North Slope Early Career Scientists (NSECS): Connecting scientists with each other and with local communities in Arctic Alaska. IPY 2012: From Knowledge to Action, Montreal, Quebec, April 23.

Meek CL, G Kofinas and S Hills. 2008. "Bowhead whale (*Balaena mysticetus*) conservation policy in Alaska and resilience" poster presented to Resilience 2008 conference, Stockholm, Sweden, April 14-16, 2008.

Meek CL. 2007. "How do the cultures of federal agencies affect conservation policy in Alaska?" poster presented to EPSCOR National Meeting, Waikoloa, Hawaii, Nov. 6-9, 2007.

Meek CL and G Kofinas. 2005. "Sustaining resources through power-sharing: an examination of marine mammal co-management in Alaska" poster presented to the 2^{nd} International Conference on Arctic Research Planning (ICARP II), Copenhagen, Denmark, Nov. 9 - 12, 2005.

Eicken H, AL Lovecraft, **CL Meek**, ML Kapsch, ML Druckenmiller. 2009. Sea ice as a structuring element for (eco)system services in Arctic Alaska and its implications for resource management. Poster presented at the Arctic Frontiers conference, Tromsø, Norway, January 18-20.

Beier C, T Brinkman, **CL Meek**. 2007. "Managing for regional resilience: the interface of policy and ecology in Alaska" poster presented for the National Science Foundation IGERT Meeting of Principal Investigators, Washington, D.C.

Invited Presentations

Meek CL. 2009. Institutional performance in social-ecological systems. Presentation to EPSCOR Living on Earth Conference, Anchorage, Alaska, May 11.

Meek CL and P. Kohler 2009. International marine policy: whaling case study. Lecture given to Political Ecology of the Oceans course, University of Alaska, Fairbanks, March 19.

Meek CL. 2008. Comparing co-management regimes with a resilience lens. Presentation to High Latitudes Panel, Resilience 2008 Conference, Stockholm, Sweden, April 14-16.

Meek CL. 2008. The effect of agency culture on institutional performance. Presentation to Alaska EPSCOR External Advisory Committee, February 21.

Meek CL. 2007. Evaluating the effect of federal agency culture on institutional performance. Invited presentation given to the American Association for the Advancement of Science, Arctic Division, Anchorage, Alaska, Sept. 25, 2007.

TEACHING EXPERIENCE

Instructor, Political Science, University of Alaska Fairbanks, 2009- present.

Courses taught: Comparative Indigenous Rights and Policies (PS 450/650, ANS 450), Government and Politics of Russia (PS 468/668, NORS 668), Political Economy 100X, U.S. Environmental Politics (PS 447/647, NORS 647), International Relations of the North (PS 452/652, NORS 652), Arctic Governance and Politics (PS 669), Research design seminar for the Resilience and Adaptation graduate program (NRM 668).

Thesis supervision, Political Science, University of Alaska Fairbanks.

Political Science undergraduate thesis: Haley Hanson, 2012

Honors undergraduate thesis: Keane Richards, 2011

Honors undergraduate project: Amy Snider, 2010

PhD in Anthropology (CLA) co-chair: Ilona Kemp

PhD in Natural Resources and Sustainability (SNRAS) co-chair: Amanda Meyers

PhD in Natural Resources and Sustainability (SNRAS) co-chair: Merben

Cerebian 2011-2012 (on leave of absence in 2012)

PhD in Natural Resources and Sustainability (SNRAS) committee member: John Duffy 2011-ongoing

PhD in Natural Resources and Sustainability (SNRAS) committee member: Josie Sam 2013-ongoing

PhD in Natural Resources and Sustainability (SNRAS) committee member: Berill Blair

Masters thesis co-chair in Northern Studies: Fatima Ochante (graduated 2013)

Masters thesis chair in Northern Studies: Erin Shew, 2010-ongoing

Masters thesis committee member in Northern Studies: Anke Hildebrandt 2010ongoing

Masters thesis committee member in Northern Studies: Michael Bach, 2011-present

Course expeditor/teaching assistant, Dept. of Resources Management, University of Alaska Fairbanks, 2005

Course: Resource management issues at high latitudes. Responsibilities included logistics planning, driving, arranging tours of resource management organizations, and facilitating student discussions.

Teaching assistant, Department of Biology & Wildlife, University of Alaska Fairbanks, 2004

Course: Fundamentals of biology. Responsibilities included laboratory preparation, instruction, and assessing grades.

Teaching assistant, SeaQuest summer program for American Indian students, Northwest Indian College, Bellingham, Washington, 1995

Responsibilities included laboratory preparation, instruction, assessing grades, and supervising students on weekly field trips.

RELEVANT WORK HISTORY

2004 **Research Fellow**, Alaska Native Harbor Seal Commission and the Indigenous Peoples' Council for Marine Mammals, Anchorage, Alaska. I provided assistance to the director of the Commission and helped to organize a state-wide summit of marine mammal commission directors and their federal agency partners.

2001 – 2003 **Coastal Program Analyst**, *California Coastal Commission*, San Francisco, California. This position involves reviewing local governmental environmental documents for their conformance to the California Coastal Act. Duties included: evaluating the environmental impact of projects including those impacting wetlands, processing and analyzing appeals of local decisions, interacting with the public, and explaining regulatory requirements to the public.

2000 - 2003 **Director**, *Boreal Footprint Project*, San Francisco, California. I was the co-founder and volunteer director of this project at Earth Island Institute established to raise awareness of the boreal forest as a unique ecosystem and cultural landscape in North America. Duties include: educational outreach, program development, grants management, managing a small grants program for Native American environmental projects, original analytical environmental and socio-economic research and oversight of 3-4 contractors.

SERVICE

2013	UAF Faculty Senate ad-hoc committee on interdisciplinarity
2013	Panel Reviewer for Center for Global Change graduate funding
	competition
2012-present	Reviewer for the Policy Sciences journal
2012	Reviewer for the Journal of Environmental Policy and Planning
2012	Reviewer for the journal, Energy Policy
2012-present	Reviewer for journal, Global Environmental Change
2011-present	Resilience and Adaptation Program Steering Committee member
2011-present	Center for Global Change Steering Committee member
2011	UAF General Education Revitalization Committee member
2011	Reviewer for the Social Science and Humanities Research Council
	of Canada

2010 - 2012	UAF Core Review Committee member
2009 – ongoing	Reviewer for Ecology and Society
2009 – ongoing	Reviewer for the Journal of Sustainability
2008	Reviewer for "Sustainability of the Arctic-Yukon-Kuskokwim
	Salmon Fisheries: What do we know about salmon ecology,
	management, and fisheries?" Proceedings of the Symposium held
	February 6-9, 2007, Anchorage, Alaska
2007 - 2009	Student liason to the Center for Global Change Steering
	Committee, University of Alaska Fairbanks
2007 - 2008	Living Marine Resources Theme co-leader, North by 2020
	Initiative, University of Alaska Fairbanks
2007	Habitat for Humanity volunteer, New Orleans, Louisiana
2004 - 2006	Resilience and Adaptation Program steering committee student
	member
1999 - 2008	International Reference Group member, Taiga Rescue Network,
	Sweden (board of directors member 2000 – 2006)

ASSOCIATION MEMBERSHIPS

Resilience Alliance Young Scholars Network International Arctic Social Science Association International Association for the Study of the Commons