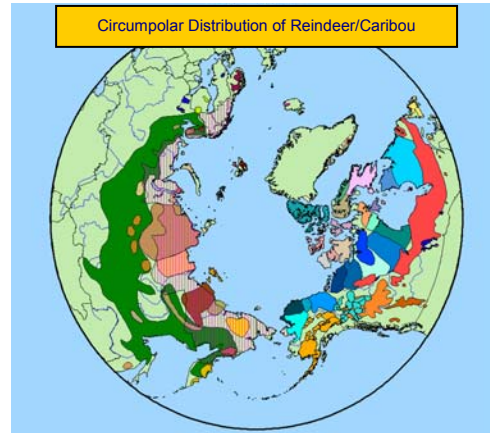


PhD Fellowships to Study the Heterogeneity and Resilience of Human-Caribou/Reindeer Systems at the University of Alaska Fairbanks.

We seek three broadly trained students to focus on the biophysical, socio-economic, and institutional/policy dimensions of Human-Rangifer (Reindeer/Caribou) Systems as part of an interdisciplinary synthesis project of the National Science Foundation. Our study involves ten researchers focused on six regional case studies to examine the heterogeneity and resilience of Human-Rangifer Systems of the Circumpolar North. (See <http://www.rap.uaf.edu/kofinas/HRS/index.htm>).



PhD students may focus on any one of the following general subject areas, and will be expected to collaborate effectively with studies in the remaining subject areas:

- Habitat dynamics of large mammalian herbivores and their implications to population performance; investigate large-scale temporal and spatial heterogeneity in the habitats and performance of arctic calving caribou to assess the resilience of caribou to changes in climate and development – work with Brad Griffith, U.S.G.S. Cooperative Research Unit / Alaska Cooperative Fish and Wildlife Research Unit at the Institute of Arctic Biology at UAF / http://users.iab.uaf.edu/~brad_griffith/griffith.html
- Socio-economic and institutional aspects of commercial and mixed subsistence-commercial hunting and herding systems; build economic models to investigate the effects of costs, market prices, and policies; analyze aspects of local economies, including effects on the distribution of risk and reward and other system outcomes – work with Matthew Berman, Institute of Social and Economic Research at UAA / <http://www.iser.uaa.alaska.edu/iser/people/Matt/default.htm>
- Local community linkages with regional-to-national level decision making; examine adaptive capacity of resource management systems to respond to change; evaluate policies for selection and management of “important habitat” and related vulnerabilities – work with Gary Kofinas, Department of Resources Management and Institute of Arctic Biology at UAF / <http://www.faculty.uaf.edu/fgpk/>

Participate in an international team of researchers undertaking a three-year social-ecological synthesis studying the resilience of the Arctic System. Contribute to the Circumpolar Monitoring and Assessment Network (CARMA) – A project of the International Polar Year (www.rangifer.net/carma). The University of Alaska “Resilience and Adaptation Graduate Program” (www.rap.uaf.edu) is an Integrative Graduate Education and Research Traineeship (“IGERT”) of the National Science Foundation.

Individuals with knowledge of Russian are encouraged to apply. Students interested in simulation modeling are also encouraged to apply.

Please send a letter of interest and your CV to Gary Kofinas (gary.kofinas@uaf.edu).