



Arctic Landscape Conservation Cooperative  
Science Applications Program  
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This is in response to the request received by the Arctic LCC to consider how the National Fish Wildlife and Plants Climate Adaptation Strategy (NFWPCAS) can help advance adaptation efforts in each LCC, to identify activities called for in the NFWPCAS that support local needs and priorities, and to translate NFWPCAS recommendations into regional and local plans and actions.

The Strategy joins a long list of existing documents intended to guide landscape scale research, planning and management in the Arctic, including the following:

- Linking Climate and Habitat Change in Arctic Alaska: Recommended Monitoring and Modeling Activities  
([http://arcticlcc.org/assets/resources/ArcticLCC\\_Species\\_and\\_Habitat\\_WG\\_Report\\_2012.pdf](http://arcticlcc.org/assets/resources/ArcticLCC_Species_and_Habitat_WG_Report_2012.pdf));
- The White House Arctic Research Plan FY2013-2017 (IARPC Research Plan)  
([http://www.whitehouse.gov/sites/default/files/microsites/ostp/2013\\_arctic\\_research\\_plan.pdf](http://www.whitehouse.gov/sites/default/files/microsites/ostp/2013_arctic_research_plan.pdf));
- The White House National Strategy for the Arctic Region (Integrated Arctic Management Report)  
([http://www.whitehouse.gov/sites/default/files/docs/nat\\_arctic\\_strategy.pdf](http://www.whitehouse.gov/sites/default/files/docs/nat_arctic_strategy.pdf));
- Report on Wildlife Response to Environmental Arctic Change (WildREACH)  
([http://arcticlcc.org/assets/resources/WildREACH\\_Workshop\\_Report\\_Final.pdf](http://arcticlcc.org/assets/resources/WildREACH_Workshop_Report_Final.pdf));
- National Ocean Policy Implementation Plan  
(<http://www.whitehouse.gov/administration/eop/oceans/implementationplan>);
- Alaska Climate Change Strategy; Addressing Impacts to Alaska  
(<http://www.climatechange.alaska.gov/aag/aag.htm>);
- North Slope Science Initiative Emerging Issues Summaries  
([http://quickplace.mtri.org/LotusQuickr/nssi/PageLibrary8525709E00726B9D.nsf/h\\_Toc/C0B3943D179ACCF85257680004EC257/\\$file/FINAL\\_Emerging\\_Issues\\_01-06-2010.pdf](http://quickplace.mtri.org/LotusQuickr/nssi/PageLibrary8525709E00726B9D.nsf/h_Toc/C0B3943D179ACCF85257680004EC257/$file/FINAL_Emerging_Issues_01-06-2010.pdf));
- NOAA's Arctic Vision and Strategy  
([http://www.arctic.noaa.gov/docs/NOAAArctic\\_V\\_S\\_2011.pdf](http://www.arctic.noaa.gov/docs/NOAAArctic_V_S_2011.pdf));
- Arctic in Rapid Transition Science Plan  
([http://www.iarc.uaf.edu/sites/default/files/art/art\\_science\\_plan.pdf](http://www.iarc.uaf.edu/sites/default/files/art/art_science_plan.pdf));
- International Study of Arctic Change (ISAC) Science Plan  
(<http://www.arcticchange.org/storage/ISAC%20Science%20Plan%20Final%20Publication.pdf>);
- Arctic Observing Network (AON) 2009 Status Report and Key Recommendations  
(<http://www.arcus.org/search/aon>);
- National Ecological Observatory Network Science Strategy  
([http://www.neoninc.org/sites/default/files/NEON\\_Strategy\\_2011u2.pdf](http://www.neoninc.org/sites/default/files/NEON_Strategy_2011u2.pdf)).

In addition, The Arctic LCC has its own Science Plan (<http://arcticlcc.org/about/scienceplan/>) in which we emphasize undertaking an interdisciplinary approach to addressing broad-scale information needs related to climate-driven changes. The Arctic LCC Steering Committee has determined that we will

initially focus on how our changing climate is affecting terrestrial, coastal and nearshore habitats and how those changes affect species. We are currently in the process of implementing a Terrestrial Environmental Observing Network (TEON) (<http://arcticlcc.org/projects/teon>) to facilitate the detection and quantification of climate-driven changes in representative watersheds across the Alaska portion of the Arctic LCC geography. All of our efforts address one or more of the following Arctic LCC Conservation Goals:

1. Better understand and predict effects of climate change and other stressors on landscape level physical and ecosystem processes.
2. Better understand the impacts of environmental change on subsistence and cultural resources.
3. Provide support for resource conservation planning.
4. Contribute to improved data management and integration.

Because the Arctic LCC is a collaborative effort seeking to address information needs of multiple partners, and because there are many existing initiatives and plans to which we seek to be responsive, we cannot rely upon any one external document to guide our efforts. Nevertheless, the NFWPCAS intersects with the goals, science strategy, and project portfolio of the Arctic LCC in multiple ways. For example, NFWPCAS Strategy 1.1 is addressed by at least two Arctic LCC efforts; the Alaska Integrated Ecosystem Model (<http://arcticlcc.org/projects/landscape/integrated-ecosystem-model-iem-for-alaska/>), and the Changing Climate-Biomes Model (<http://arcticlcc.org/projects/landscape/changing-climate-biomes/>). A complete list of where our past, current and future efforts address specific strategies outlined in the NFWPCAS would be quite lengthy. Developing a list of where our efforts intersect with all of the above plans, strategies, and calls for information would be a significant workload.

Of the NFWPCAS' 7 goals, we will be responsive to those goals that do not entail the undertaking of actual land-management actions. Specifically, we will be, or are already responsive to NFWPCAS goals 1, 3, 4, 5, and 6. While we can provide information that supports NFWPCAS goals 2 and 7, the goals themselves speak to taking actions that are beyond the scope of the Arctic LCC as a non-regulatory entity without land- or resource-management authority.

The Arctic LCC looks forward to drawing upon the NFWPCAS as one of many reference documents that help guide us in our efforts to address climate change-related information and management needs in the Arctic. Specifically, as you request, we will consider how the NFWPCAS can help advance adaptation efforts in the Arctic, and identify activities in the NFWPCAS that support local needs and priorities. To the extent that we are involved in crafting or providing information for regional and local plans and actions, we will keep NFWPCAS recommendations in mind as we embark upon our efforts.

Sincerely,



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