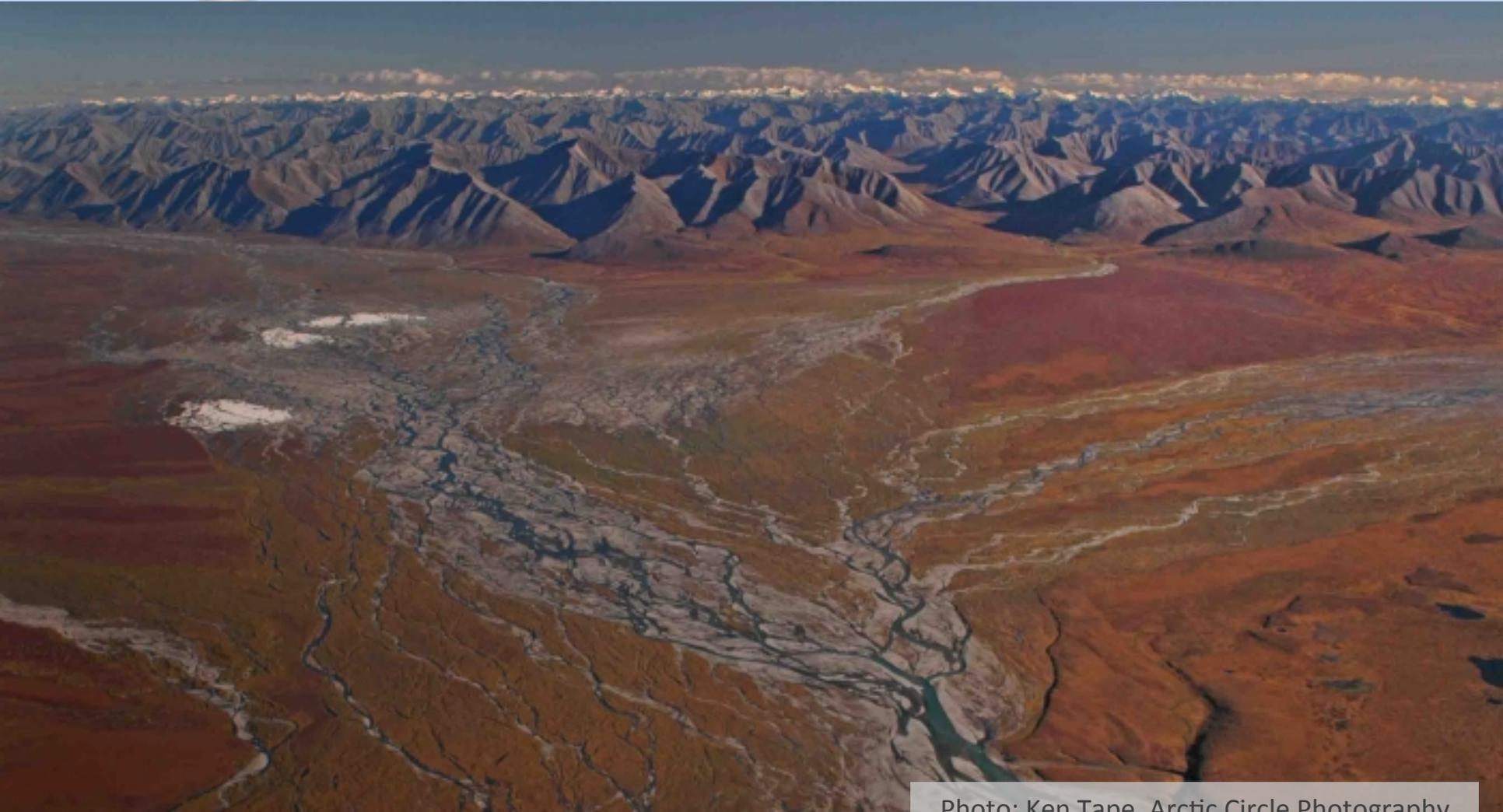


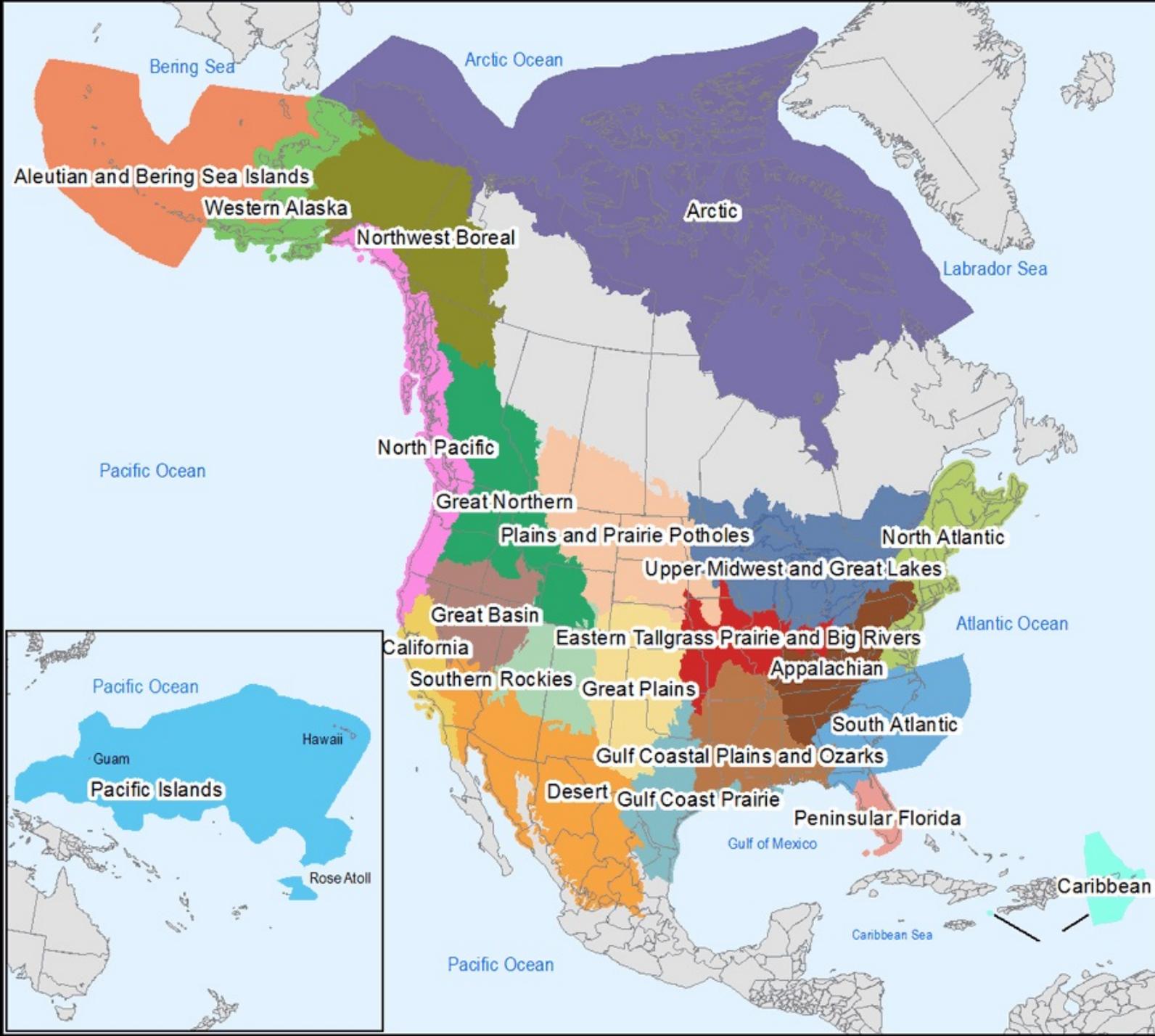


ABOVE Science Team Meeting

19 January 2016

Anchorage, AK

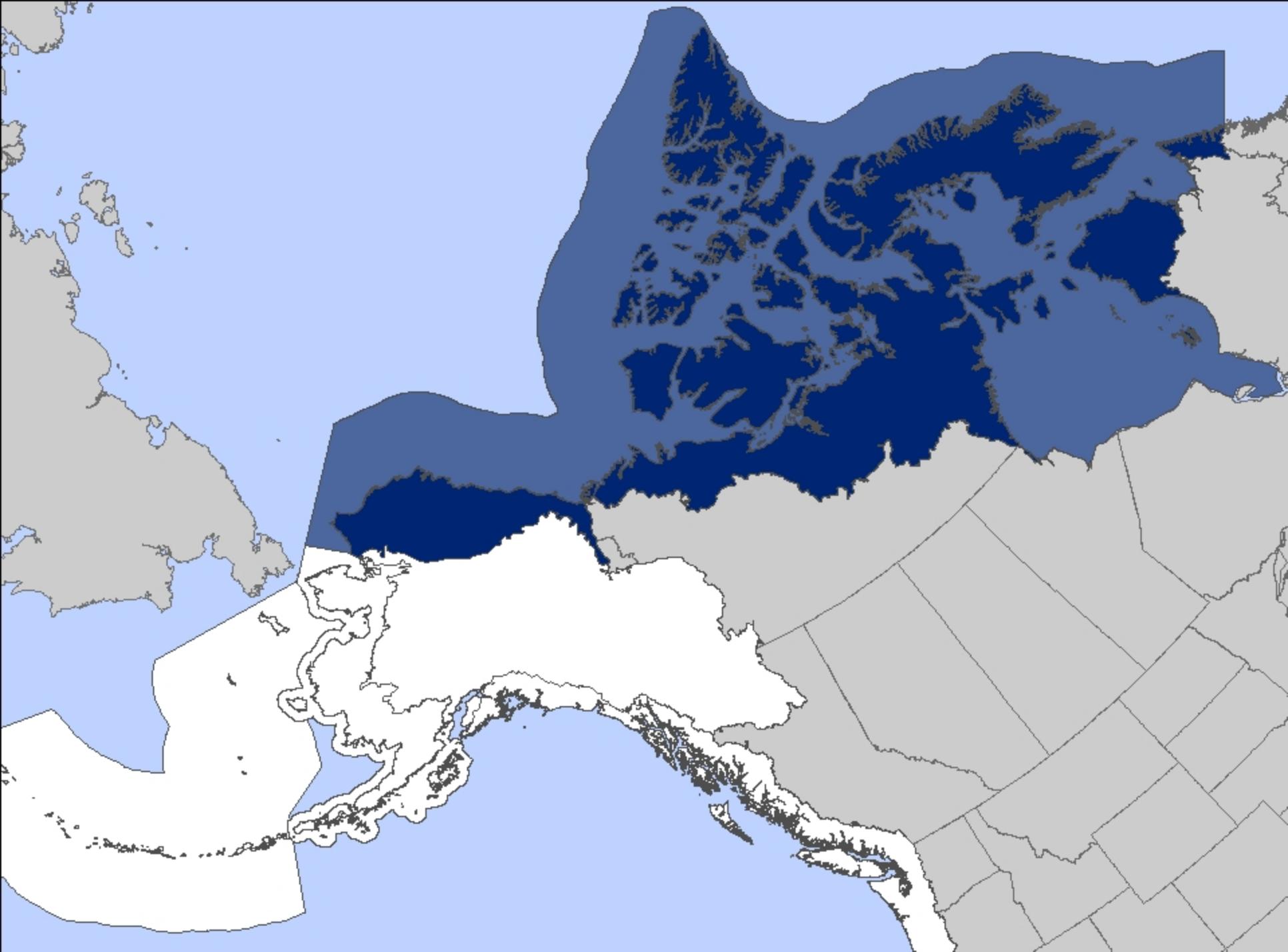






What are LCCs?

- **Self-directed partnerships that:**
 - Provide science and support for conservation and sustainable resource management;
 - Address landscape-scale stressors, i.e., climate change;
 - Bring together resource managers within an ecoregion to identify shared conservation goals;
 - Connect resource managers and scientists to identify and address information gaps.





Arctic Landscape Conservation Cooperative
Advancing Science, Understanding Change.



Conservation Issues

- Oil and gas development
- Climate change
- Access to subsistence resources and harvest allocation





Goals

- **Better understand effects of climate change and other stressors on ecosystem processes.**
- **Better understand the impacts of environmental change on subsistence resources and users.**



Goals

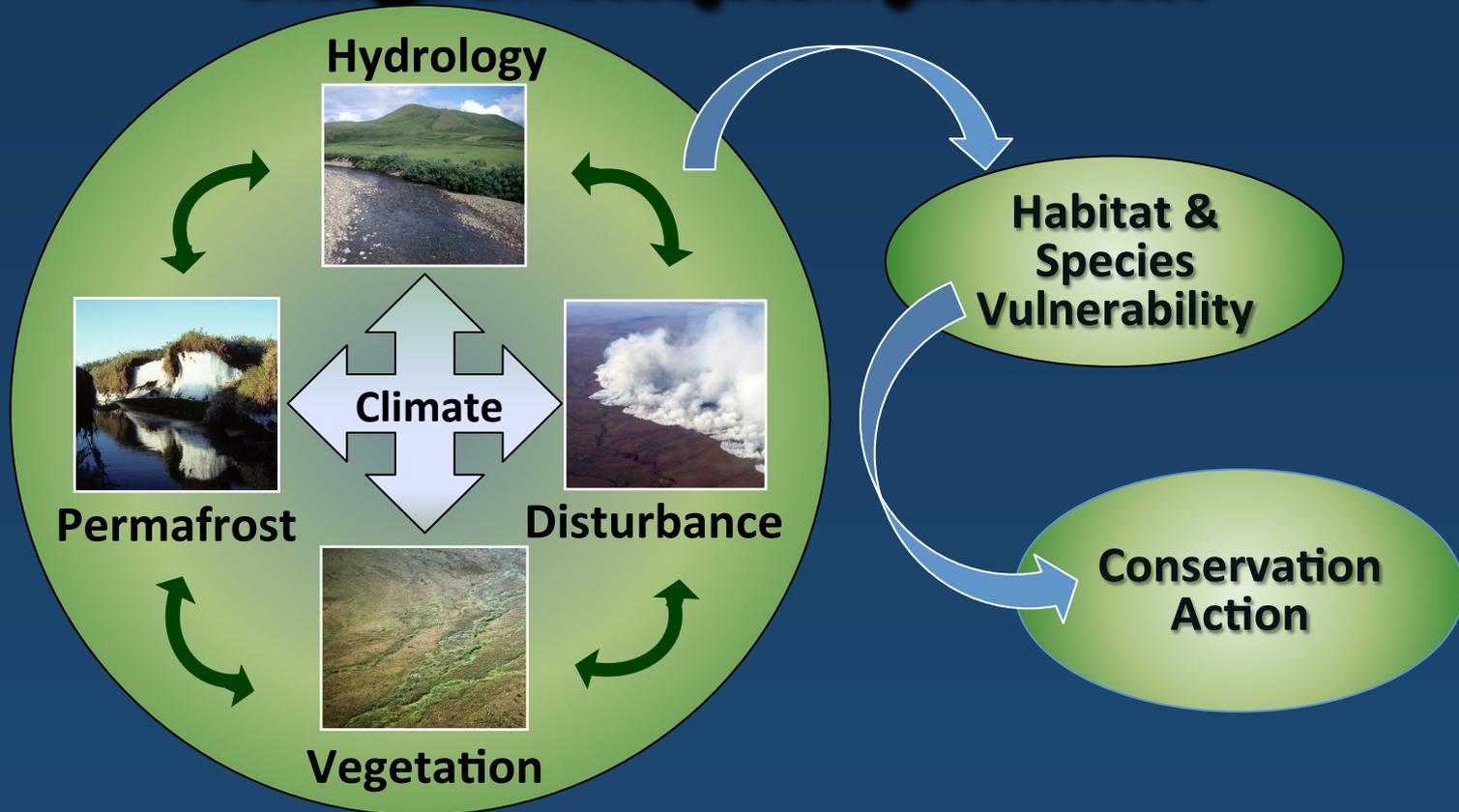
- Better understand effects of climate change and other stressors on ecosystem processes.
- Better understand the impacts of environmental change on subsistence resources and users.
- **Provide support for Arctic resource conservation planning.**
- **Contribute to improved data management and integration.**



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Science Needs Definition – Technical Work Groups

How do we begin to “Better understand effects of climate change on ecosystem processes?”





Strategic
Science
Plan

Arctic LCC *Activity* Emphasis

❖ Describe and Forecast Ecosystem Change

- Monitoring -- Terrestrial Environmental Observation Network (TEON)
- Interdisciplinary Climate Response Research -- Linked studies of physical processes/biological response
- Modeling -- Ecosystem Response to Climate



Opportunities to Collaborate

- ❖ **Data sets needed at broader scales**
 - e.g., DEMs, landcover, wetland mapping
- ❖ **Environmental monitoring**
 - e.g., TEON, water temperature
- ❖ **Data aggregation and management**
 - e.g., Imiq, ADIwg data standards
- ❖ **Co-development of science priorities**
 - e.g., North Coast Work Group