



The Arctic is in the middle of a monumental system shift affecting the ecology, human societies and the position of the region in the global context.

- *12th December, 2017: NOAA science results indicating that the Arctic sea ice is permanently affected by climate change and the “new normal” conditions are here.*
- *Pecl et al. (2017): Largest climate-driven global re-distribution of species since the Last Glacial Maximum.*



A Need and A Time for "Dynamic Governance"



Bonebrake et al. (2017): *"Maintaining relatively intact ecosystems is crucial to the preservation of livelihoods, cosmologies, cultures and languages of Indigenous groups, and many have developed governance systems for their biological resources based on holistic observations and checks-and-balances to prevent overharvesting. Alterations in species ranges and relative abundances due to climate change will have profound consequences for these governance systems"...*



In the Arctic and the Circumpolar boreal the preservation of old growth forests – OGFs (left) and other preserved natural sinks are of utmost value for climate security.

When applicable, the ecological restoration of degraded habitats, such as wetlands (right) into sinks should be initiated across regions and ecosystems. Traditional knowledge and science can partner in the understanding of baselines and restoration priorities across scales.

