In a Dynamic and Uncertain Arctic, Effective and Efficient Natural

Resource Management Requires Managing for Socio-Ecological Resilience



"The need for institutional and stakeholder diversity suggests that building resilience into the system requires designing complexity to govern complexity"

(Elinor 'Lin' Ostrom, 2009 Nobel Prize in Economics)



Coupling Management and Ecological Sub-Systems Defines a Socio-Ecological System

Legislation

Departm



We developed a framework to manage for resilience by integrating knowledge systems, policy,

and governance, to achieve efficiency and efficacy in natural resource management, and reduce uncertainty for decision/policy makers. This comprehensive and adaptive approach can yield the solutions needed today to build socio-ecological resilience in the future Arctic.

Based on Auad et al. (2018)











Management



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