Moving to Action: Experts Inform Climate Change Science Priorities in the North Pacific LCC's Aquatic and Terrestrial Ecosystems

Background

The North Pacific Landscape Conservation Coope address the region's need for landscape-scale climate interdisciplinary cross-boundary collaboration. To term prioritization of applied science work, we are with over 200 natural resource managers, conserv examine the challenges and applied science needs freshwater, and terrestrial species, habitats, and ec projected climate change impacts.



This project addresses the questions: Of the current and projected climate change impacts affecting the NPLCC's ecosystems, which are most important for resource management, conservation, and other experts in the region. How can the NPLCC best address those impacts?

Results: Emerging Science & Non-Science Needs and Potential Roles for the NPLCC

- Provide **capacity** to address climate change
 - Sedimentation and tidal elevation data
 - Climate-smart sensor network
 - Geospatial data platform
 - Information portal or reference librarian
 - Targeted vulnerability assessments, species & habitat science
 - Integrated tools at multiple scales

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erative (NPLCC) is well-positioned to hate change adaptation and b assist the NPLCC in its near- and long- e convening seventeen focus groups	Using work 1. 2.	g g sho Io e
ation practitioners, and scientists to associated with managing marine, cosystems in light of current and	2.	ic E
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Workshop participants discuss science needs for addressing climate change impacts on coastal habitat type and distribution (foreground), coldwater fishes, invasive species and disease, hydrologic, sedimentation and tidal elevation data, and other topics (background).

II.

Convene scientists, managers, and practitioners • Workshops, webinars, conferences, training • Address political and institutional barriers

- III.
 - Leverage resources and connect projects
 - Communicate climate change

Objectives & Methods

guided facilitation in expert focus groups and ops, and qualitative data analysis:

dentify challenges related to managing

ecosystems for climate change

dentify science and non-science needs to address dentified challenges

Begin to prioritize needs in the region

Inform NPLCC science planning and prioritization



Workshop participants evaluate the needs identified by the focus groups across four criteria: decision-relevance, the spatial and temporal scale in which data or information is most needed, degree of urgency, and potential partners or ongoing efforts.

Build and facilitate maintenance of **partnerships**





Next Steps

• Complete focus groups (May 2012)

• Synthesize findings on cross-

ecosystem science and non-science needs in a report to the NPLCC

(August 2012)





