

An aerial photograph of a coastal town, likely Fairbanks, Alaska, with a large, snow-capped mountain in the background. The town is situated along a body of water, with various buildings and a marina visible. The mountain is prominent, with a large snowfield on its slopes. The sky is clear and blue.

Climate Change Adaptation Planning for Alaska Marine Dependent Communities

University of Alaska Fairbanks/Alaska Sea Grant
Marine Advisory Program

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Alaska Sea Grant Marine Advisory Program

- Alaska Sea Grant - partnership between NOAA and UAF
- Marine Advisory Program (MAP) is extension arm of Alaska Sea Grant - state's marine extension program for 46 years
- MAP agents are faculty in School of Fisheries and Ocean Science
- MAP agents work in partnership with stakeholder groups to support coastal communities and keep our resources strong.



Alaska Sea Grant Marine Advisory Program – 15 coastal agents and specialists in 10 coastal communities



Climate Change Adaptation Planning for Alaska Marine Dependent Communities

- Outline the developing MAP/CES/ACCAP adaptation planning project
- Walk through the Adaptation Planning Tool
- Ask for your input and suggestions



Why Alaska Sea Grant MAP and why marine resource dependent communities?

- MAP field agents in 10 coastal communities. Marine dependent communities our clientele
- Most AK communities are marine dependent
- Marine dependent communities facing dramatic impacts



Goals/Outcomes

- Communities have access to information, resources, tools and how to find them
- Communities understand their assets and vulnerabilities
- Communities progress toward informed planning and decision making
- Healthy communities: economically, culturally, sustainability



Community Adaptation Planning tools

- Steering committee and local partners
- Adaptation Planning Decision Tool
- Web-based interactive tool, information online
- Video introducing the concept of adaptation
- Fact sheets (ocean acidification)
- Workshop curriculum
- Follow up and contacts with resources

What are “communities”?

- Villages, towns and cities
- Social and cultural groups
(i.e tribes)
- Occupational groups
(commercial fishermen)
- Affinity groups (coastal
property owners)
- Individuals and families



Adaptation Planning Tool

Two **draft** versions:

1. The condensed tool, 6 pages plus resources, which is intended for use in the field.
2. The full version, 50+ pages, used for “train the trainer” programs.

We welcome comments, suggestions

Eight steps to Community Adaptation Planning

Step 1: Identify your **community** or **communities**.

Step 2: **Motivations** – why do you care?

Step 3: **Changes you have seen** in your community

Step 4: How **vulnerable** are you?

- How likely is it that you'll feel a change?
- How severe will it be?
- How much ability do you have to respond positively?

Step 5 – What do you want to **accomplish** (Goals)

Step 6 - What **can you do?** (Measures to take)

Step 7 - Taking the **steps** (Implementation)

Step 8 - **Evaluate**

Resources for communities

- Compile resources
- One page fact sheets, online information and resource guide
- *Please review, correct and add to this*

Our Plans for Delivery

- Use our steering committee
- Refine the tools (decision tool, video, fact sheets, website)
- Identify local partners and interest
- Do some field trials (Homer, Palmer, Metlakatla, others?)
- Develop schedule based on our MAP agent locations and partners in CES and other agencies

We are looking for local partners and other priority locations

How can we help you?

- We can bring an adaptation planning workshop to communities you recommend
- Help you locate sites or communities in need of assistance
- Translate science into common language
- What else?

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