

CLIMATE ADAPTATION FOR COASTAL COMMUNITIES

MARCH 22-24, 2016

KACHEMAK BAY CAMPUS, PIONEER HALL 202, HOMER, AK

DAY 1 – TUESDAY, MARCH 22

INTRODUCTION: SETTING THE COURSE FOR ADAPTATION (9:00AM-12:30PM)

Objective: Participants will gain an understanding of adaptation planning concepts to address coastal climate change issues. Through a classroom exercise, participants will learn the coastal context for, and challenges of, climate adaptation.

- 8:30 Registration**
- 9:00 Course Overview and Introductions**
- 9:30 Activity: *Protect the Egg***
Conceptual exercise on adaptation planning
- 10:30 Break**
- 10:45 Climate Adaptation Concepts**
- 11:00 Setting the Local Context**
Dr. Tony Burgess, Retired Ecologist
- 12:00 Activity: *Characterizing Your Community (part 1)***
Identify resources, people, and places of concern
- 12:30 Lunch**

CLIMATE SCIENCE: COMPREHENDING PROCESSES AND IMPACTS OF CLIMATE (1:15PM-4:30PM)

Objective: Participants will understand the basic influences on the climate system, as well as climate's impact on coastal communities and the natural environment.

- 1:15 Activity: *Multiplication***
- 1:45 Regional Data and Trends**
Jessica Shepherd, Kachemak Bay National Estuary Research Reserve
- 2:15 Break**
- 2:30 Regional Impacts**
Sue Mauger, Cook Inlet Keeper
John Morton, US Fish and Wildlife Service
- 3:15 Activity: *Characterizing Your Community (part 2)***
Mapping resources, people, and places of concern in a small group activity
- 3:45 Activity: *Job Aid***
Identify stressors and draft climate issue statements for an asset of interest
- 4:15 My Work Plan**
- 4:30 Adjourn**

DAY 2 – WEDNESDAY, MARCH 23

VULNERABILITY ASSESSMENTS: INFORMING ADAPTATION ACTIONS (9:00AM-12:15PM)

Objective: Participants will be able to identify the key elements to address when scoping a vulnerability assessment, learn from a local case study, and gain experience working with a group through a qualitative vulnerability assessment.

- 9:00 Working Group Introductions and Recap of Day 1**
- 9:15 Vulnerability Assessment in a Nutshell**
- 9:30 Case Study**
Dr. Jamie Trammel, Alaska Center for Conservation Science
- 10:10 Break**
- 10:25 Building a Vulnerability Assessment – What to Ask for?**
Activity: Job Aid – Vulnerability Assessment Scoping
- 11:15 Activity: Conducting a Qualitative Vulnerability Assessment**
Work through a vulnerability assessment in a small group setting
- 12:15 Lunch**

ADAPTATION STRATEGIES: IDENTIFYING AND ASSESSING ADAPTATION ACTIONS (1:00PM-4:30PM)

Objective: Participants will learn about a variety of adaptation strategies and how to evaluate their strengths and weaknesses. Participants will apply this knowledge to create a short list of adaptation options.

- 1:00 Activity: Ask me**
Group networking
- 1:30 Moving from Vulnerability Assessments to Adaptation Planning**
- 1:40 Guest Speaker**
Dr. Susi Moser, Susanne Moser Research & Consulting
- 2:15 Break**
- 2:30 Introduction to Adaptation Options**
- 3:00 Activity: Identifying Adaptation Options**
- 3:30 Evaluating Adaptation Options and Strategies – Processes and Feasibility**
Activity: Assessing Adaptation Options
- 4:15 My Work Plan**
- 4:30 Adjourn**

DAY 3 – THURSDAY, MARCH 24

CLIMATE COMMUNICATION: APPLYING COMMUNICATION RESEARCH TO BE EFFECTIVE (9:00AM-12:30PM)

Objective: Participants will learn effective communication hints and tips for communicating about their climate adaptation efforts. After an overview of recent climate communications research, participants will apply these concepts and findings to develop a compelling message to communicate with their target population.

- 9:00 Day 2 Recap**
- 9:15 Introduction to Effective Communication**
- 9:45 Designing a Communication Strategy – Getting Started**
Job Aid – Part 1
- 10:00 Characterizing Your Audience**
Job Aid – Part 2
- 10:30 Break**
- 10:45 Communication Design Elements**
- 11:15 Guest Speaker**
Desirae Roehl, Alaska Native Tribal Health Consortium
- 12:00 Activity: Framing Your Message**
Job Aid – Part 3
- 12:30 Lunch**

IMPLEMENTATION: TURNING STRATEGIES INTO ACTION (1:15PM-4:30PM)

Objective: Through an exchange of expertise and information in a highly interactive exercise, participants will be able to identify solutions to different climate adaptation issues and a range of opportunities to move adaptation strategies forward.

- 1:15 Adaptation Road Trip**
- 1:45 Guest Speaker**
Terry Johnson, Alaska SeaGrant
- 2:25 Break**
- 2:45 Activity: Small-Group Brainstorming and Poster Session**
- 4:00 Articulating Next Steps**
Identify policies, partnerships, and priorities that emerged during the week and how to move forward with adaptation
- 4:15 Course Evaluation**
- 4:30 Adjourn**