



Western Washington University
Western CEDAR

Salish Sea Ecosystem Conference

2014 Salish Sea Ecosystem Conference
(Seattle, Wash.)

May 1st, 10:30 AM - 12:00 PM

Coastal Hazard Resilience Network: planning for coastal hazards, climate change, and sea level rise in WA State

Rachel Aronson

Washington (State). Department of Ecology, raro461@ecy.wa.gov

Follow this and additional works at: <https://cedar.wvu.edu/ssec>



Part of the [Terrestrial and Aquatic Ecology Commons](#)

Aronson, Rachel, "Coastal Hazard Resilience Network: planning for coastal hazards, climate change, and sea level rise in WA State" (2014). *Salish Sea Ecosystem Conference*. 162.

<https://cedar.wvu.edu/ssec/2014ssec/Day2/162>

This Event is brought to you for free and open access by the Conferences and Events at Western CEDAR. It has been accepted for inclusion in Salish Sea Ecosystem Conference by an authorized administrator of Western CEDAR. For more information, please contact westerncedar@wvu.edu.

Building a Coastal Hazards Resilience Network in Washington 2014 Social Coast Forum

Rachel Aronson

Marc Hershman Marine Policy Fellow
Washington Department of Ecology

Rachel.aronson@ecy.wa.gov

@RachelAronson



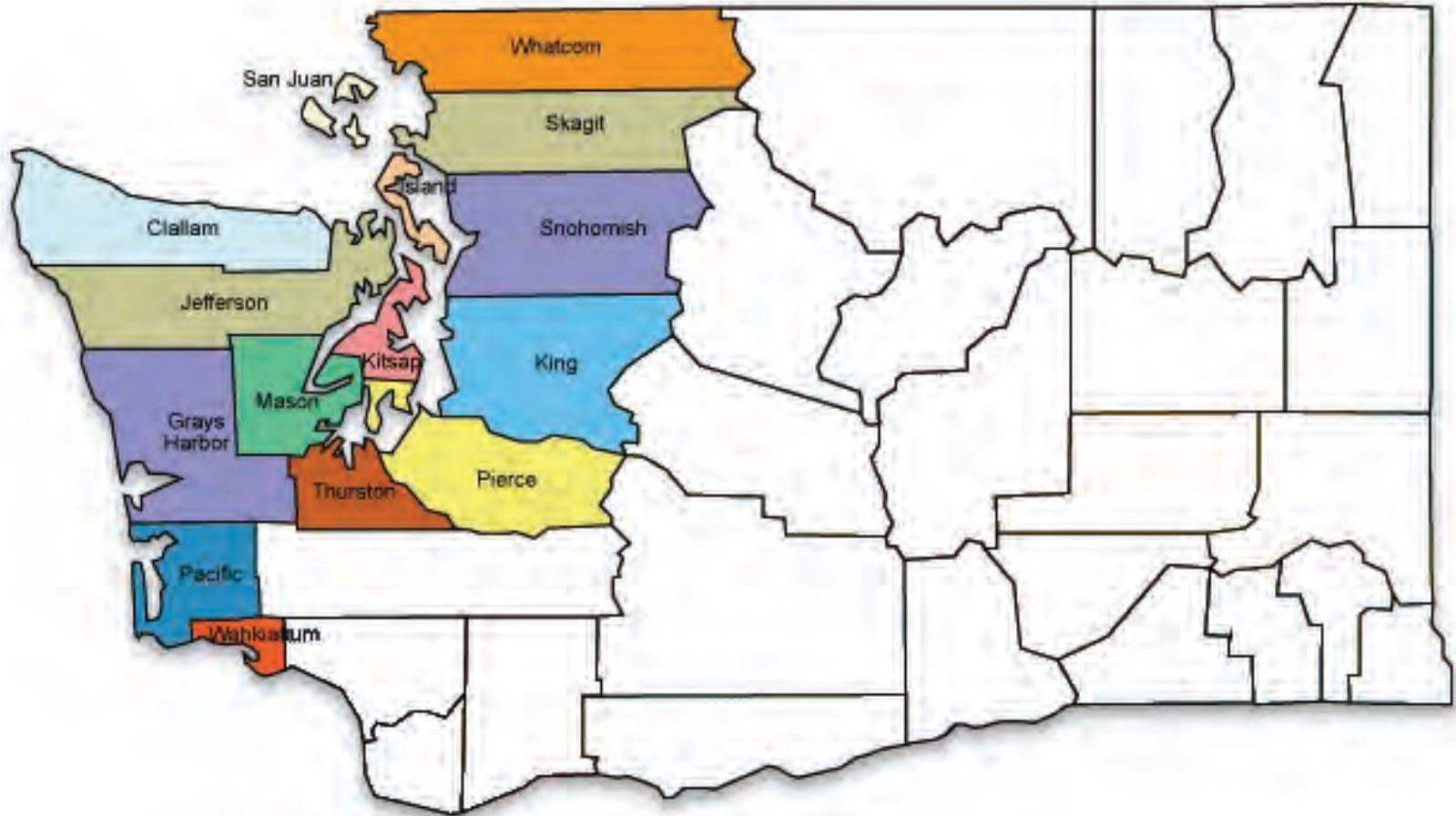
What is resilience?

- **Resilience** The ability to persist (i.e., to absorb shocks and stresses and still maintain the functioning of society and the integrity of ecological systems) and the ability to adapt to change, unforeseen circumstances, and risks.
- Source: Adger, W. N. (2003). Social capital, collective action and adaptation to climate change. *Economic Geography* **79**, 387–404.

Or...

- Resilience: the capacity to recover quickly from shocks and stressors while at the same time reducing future risk
- Source: Pirani and Tolkoﬀ, 2014.
- Resilience: it's not just bouncing back, it's bouncing *better*.

What is the Washington coast?



What are the hazards?

- In scope:
 - Climate change and SLR
 - Flooding
 - Earthquake
 - Tsunami
 - Storms
 - Landslides
 - Erosion
 - Liquefaction
 - Subsidence
- Out of scope:
 - Ocean acidification
 - Marine Debris
 - Oil Spills

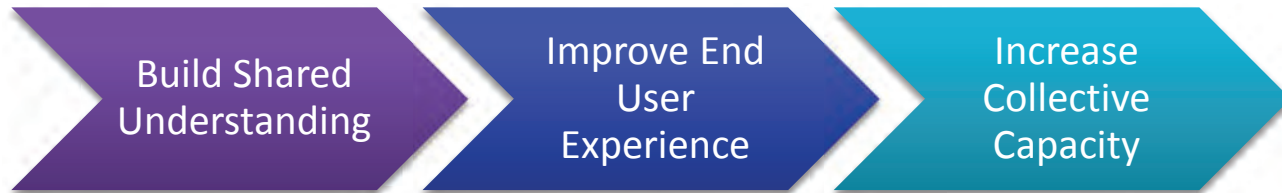
Why a network?

- Overarching Goal: Establish a state-wide coastal resilience network to improve **coordination and collaboration** around issues involving coastal hazards and climate change impacts
- Funds down, hazards up

Grant Objectives

- With a CRest grant from NOAA Coastal Services Center, our objective is to create a Coastal Hazard Resilience Network in Washington
 - Linking existing federal, state, and local programs
 - Engage the public
 - Consider preparedness, recovery, risk and vulnerability, adaptation, and under-served or under-represented populations

The Washington CHRN will...

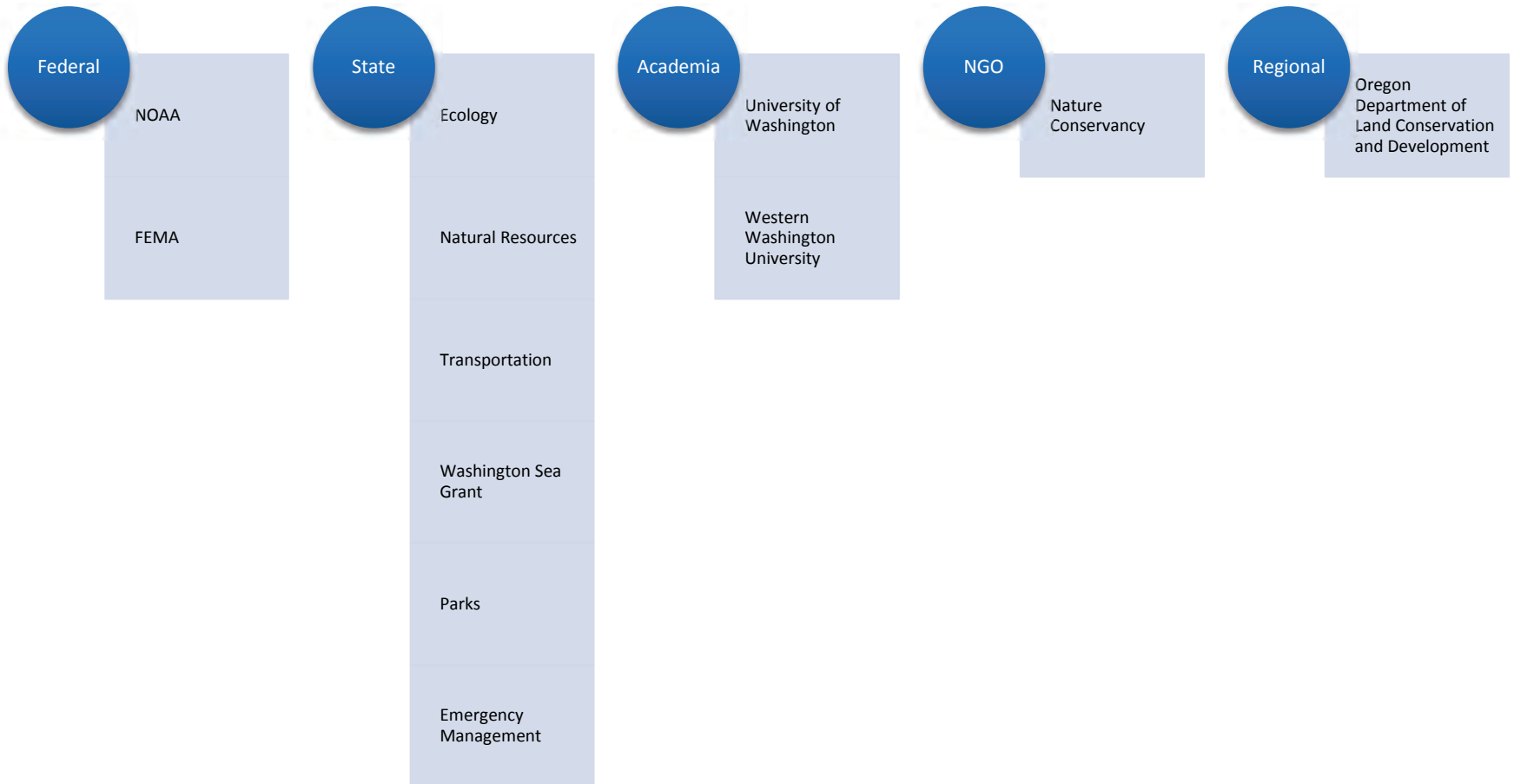




Improve End User Experience

Increase Collective Capacity

First Meeting: Grant Year 1, Month 1





Improve End
User
Experience

Increase
Collective
Capacity

Web development, Year 1, Month 4

- Building out www.wacoastalnetwork.com

Features:

directory of government employees who work on coastal hazard issues

blog for resilience news

library of important documents and resources

event and grant calendars

open web forum

Linked services:

Email newsletter (based on focus group feedback)

Twitter: @resiliencenetwa

Build Shared
Understanding

Improve End
User
Experience

Increase
Collective
Capacity

Next steps

- Prototype: focus efforts on Pacific and Grays Harbor Counties
- Partnership with FEMA RX: they provide the venue (Resilience meetings), we provide more experts and communication skills

Build Shared
Understanding

Improve End
User
Experience

Increase
Collective
Capacity

Further Goals

- Develop state agency consensus on a list of coastal resilience priorities, addressing coastal hazard and climate change research, management, and regulations
- Collaborate to leverage funds and resources to address identified priorities
- Develop and apply best practices for cross-hazard management across jurisdictional boundaries
- Develop cross-hazard maps

Contact:

- Rachel Aronson, rachel.aronson@ecy.wa.gov
- Jamie Mooney, mooneyja@uw.edu
- www.wacoastalnetwork.com
- @ResilienceNetWA