

GRAYS HARBOR COUNTY COASTAL FUTURES PROJECT: RECAP, RESULTS AND NEXT STEPS MEETING

TIMELINE OF THE PROCESS

Meeting 3: Scenario Review &

Initial Results Meeting

April 2017





Meeting 1 Objectives:

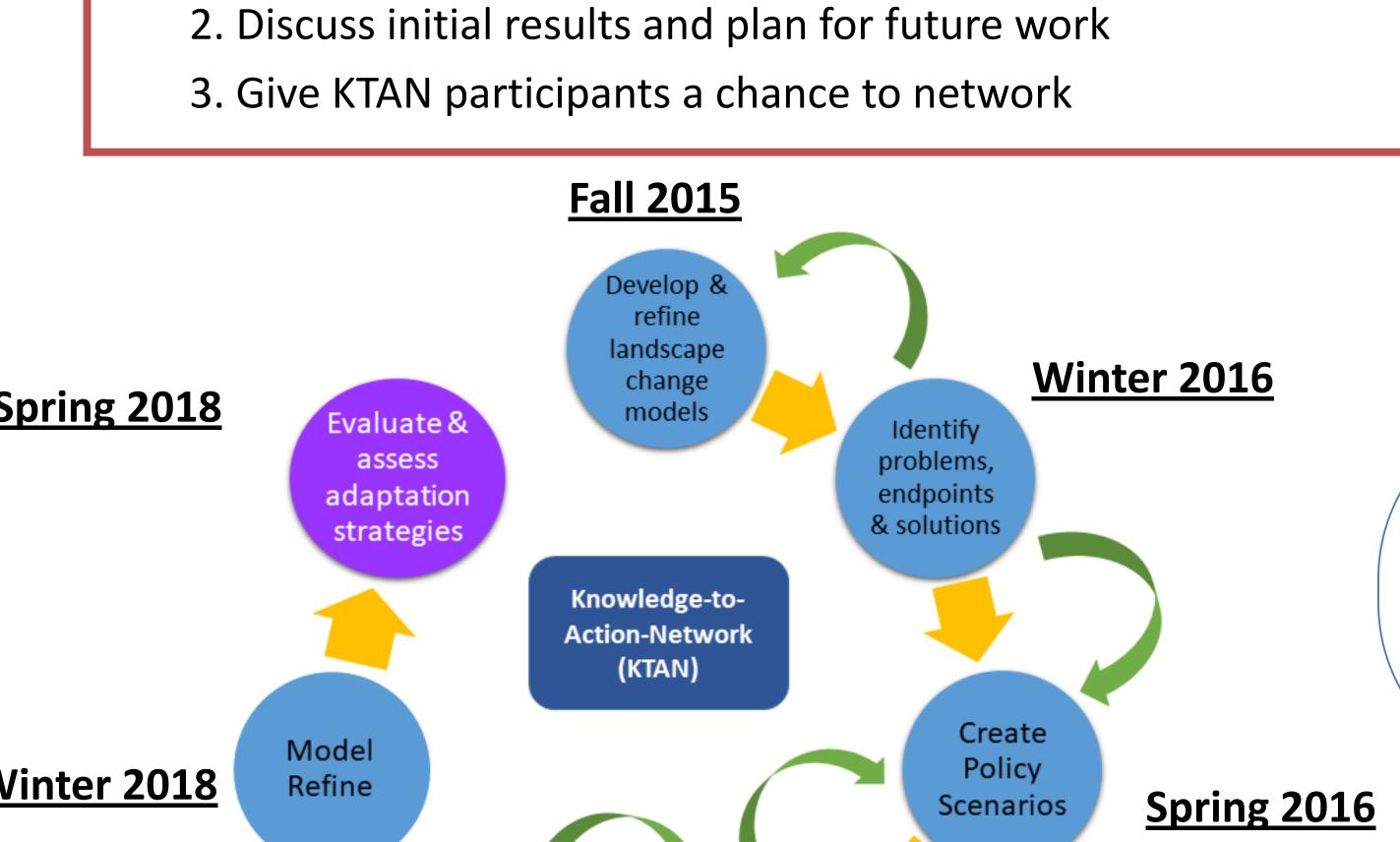
Meeting 1 Outcomes:

Meeting participants split into breakout groups to brainstorm problems and identify important landscape metrics (endpoints) to evaluate in the agent-based model Envision, and management strategies to consider for the Grays Harbor County alternative futures policy scenarios.

Problem	Strategy	Endpoint
Coastal properties in	•Allow hard engineering protection of all beachfront property	
danger of erosion	experiencing erosion	•\$ of property protected
		Length (amount) of riprap
Flooding in Grays Har-	•Raise buildings above flood level	•# of homes impacted
bor	 Move buildings out of hazard zone 	•Area flooded
	Restore habitat	Area habitat restored/protected





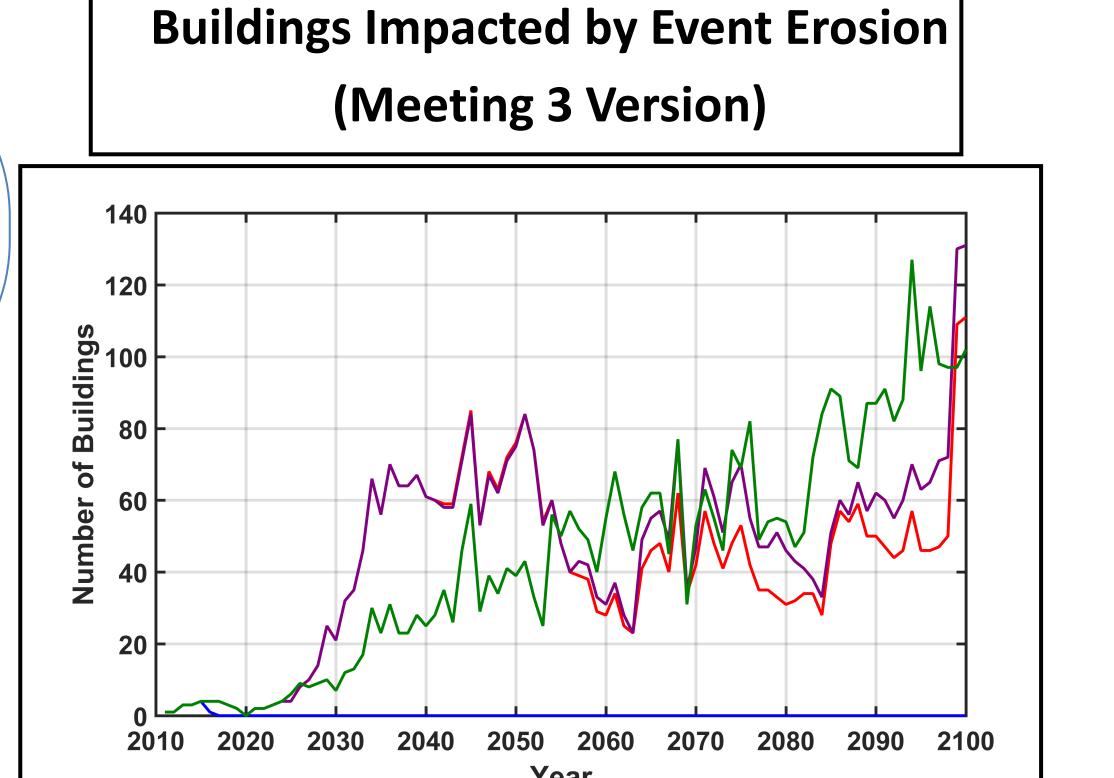


Meeting 3 Objectives:

Spring 2017

Winter 2016

1. Review scenarios and initial results from Grays Harbor Coastal Futures Envision model

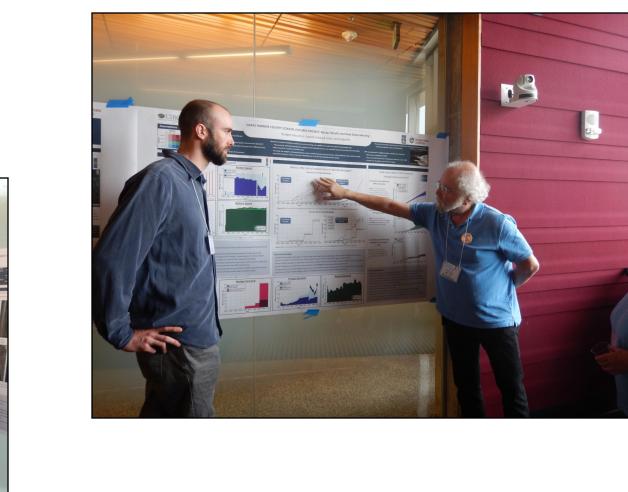


June 2017

Address and Implement feedback

from model co-development

Poster Comments: April 18





April 2018

Landowners use inf

to decide land use

Connecting this research to ongoing efforts

Westport Condos

https://pnwcirc.org/

https://pnwcirc.org/graysharbor-coastal-futures

Meeting 1: Kickoff

Meeting

June 2016 February 2016

Meeting 2 Objectives:

- 1. Review synthesis of the kickoff meeting
- 2. Explore and build draft policy scenarios
- 3. Begin to organize technical working groups

Meeting 2: Scenario Development



Technical Working Group Meetings

Fall 2016

As of Winter 2016, these are the Grays Harbor Policy Scenario Narratives:

Continuation of present-day policies. Adaptive measures are

Policies or decisions are implemented that involve changing human activities to suit the changing environment (e.g.

Policies or decisions are implemented that involve resisting

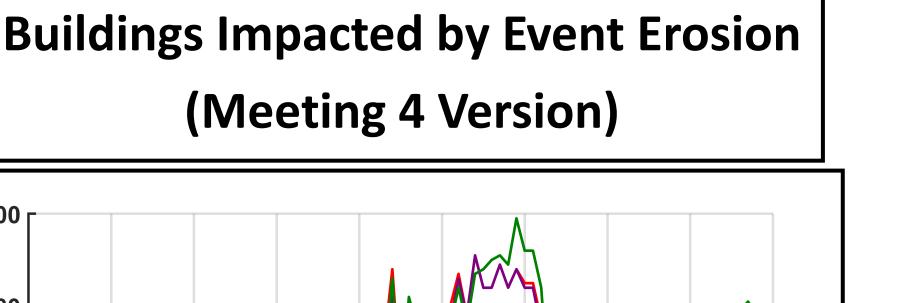
human activities (e.g. building or strengthening shoreline armour).

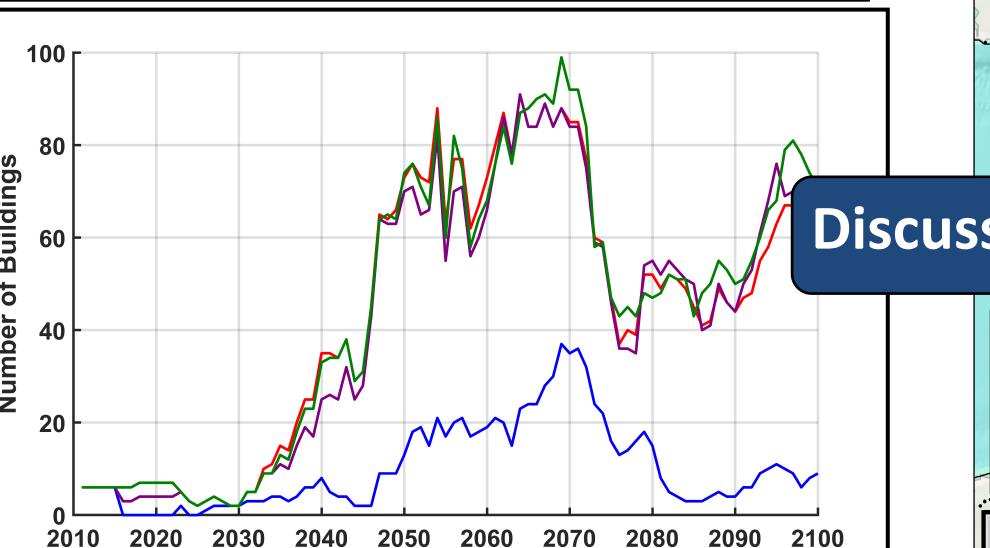
Policies or decisions are implemented that accommodate environmental change, and prioritize habitat protection and conservation (e.g. remove dikes to allow wetland restoration).



Meeting 4 Objectives:

1)Recap scenario development and modeling process 2)Present and discuss final results 3)Continue transforming information into usable knowl-





Meeting 4: Recap, Results, and

Next Steps Meeting

. Monthly newsletter focusing on climate science in the Pacific Northwest. . https://climatecirculatororg.wordpress.com/

The CIRCulator

Webinar: PREPdata - Visualizing Data to **Build Climate Resilience**

. http://www.wri.org/events/2018/03/ webinar-prepdata-visualizing-data-build

NOAA Grants.Gov

Topic/GraysHarbor/

Presentations.aspx

Targeted Education

. Land-use zones

. http://

. Real estate (disclosure policy)

. City/county scenarios w/'time

explorer.bee.oregonstate.edu,

Risk Communication, Coastal inundation mapping, and much more!

. https://coast.noaa.gov/digitalcoast/training



2016, and discussed how they were organized into five main themes – outer coast flooding, bay flooding, outer coast change hazard, outer coast habitat, and estuarine habitat. The strategies that were suggested at the first meeting were then organized into four draft scenarios.

During our second stakeholder meeting, we reviewed the problem, endpoints, and strategies from our first meeting in February

(Reinforce) (Status Quo) Baseline (Retreat) Realign

Meeting participants split into breakout groups to review the four draft scenarios, and discuss three questions:

- 1. Do the listed strategies listed belong in this scenario?
- 2. What additional strategies should be added to this scenario (if any)? 3. What should the name of this scenario be?
- The updated scenario names in the box to the left were outcomes of the

Working Group Meeting Outcomes:

 A webinar was held with the habitat working group to continue to refine the four policy scenarios, and to help with implementing the policies into Envision.

 A survey was also sent out to the Grays Harbor County KTAN to get more information about specific policies including:

- 1. Placement of backshore protective structures (BPS)
- 2. Current FEMA flood hazard maps for Grays Harbor County
- 3. Development patterns for cities in Grays Harbor County

Buildings Impacted by Event Erosion

Discuss Results **FLOOD_FREQ**• 0.84 - 1.00

Digital Coast Academy: . Integrated training on Adaptation Planning,

October 2018 Project Presentations ...

Possible options to keep moving forward:

. #Resiliency