

Envisioning a Resilient Oregon Coast: Co-developing alternative futures for adaptation planning and decision-making

Advisory Council Meeting – 8 March 2019

On March 8th, 2019, members of the **Envisioning a Resilient Oregon Coast Advisory Council** gathered at Oregon State University to accomplish the following objectives:

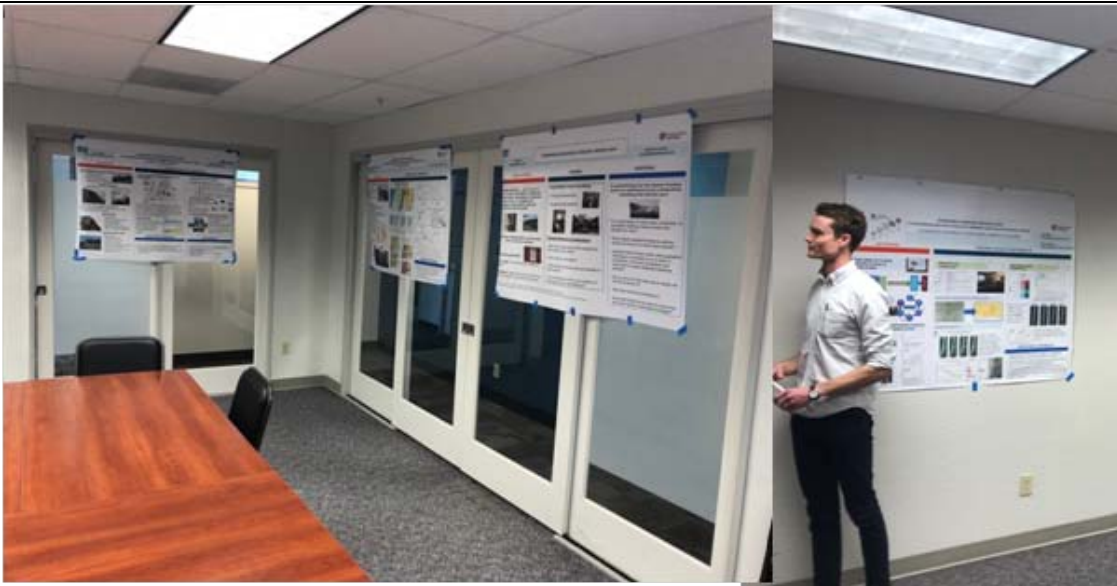
Meeting Objectives

1. Communicate project goals and set expectations for Advisory Council engagement.
2. Begin to harness the networked expertise of key partners and stakeholders to develop actionable knowledge to inform statewide policies and localized decision-making.
3. Articulate actionable research that can be conducted effectively with the Envision model.



This was the first of approximately bi-annual Advisory Council meetings for the *'Envisioning a Resilient Oregon Coast: Co-developing alternative futures for adaptation planning and decision-making'* project. This new 3-year Oregon Sea Grant funded project is built on the premise that significant gains towards building adaptive capacity for hazard resilience can be realized by examining - and assigning value to - common resilience decisions and their trade-offs at varying scales (communities, counties, and coast-wide). At this first Advisory Council Meeting we:

- Provided an overview of past Envisioning Coastal Futures Projects (e.g., http://envision.bioe.orst.edu/StudyAreas/Tillamook/Publications/TillamookCountyCoastalFutures_ProjectWhitePaper.pdf),
- Discussed how we are beginning to incorporate acute coastal hazards into the agent-based model Envision (<http://envision.bioe.orst.edu/>),
- Discussed our research plans on distributional consequences, social equity, and consistency concerns of coastal adaptation and resilience decisions in Oregon; and
- Elaborated on how we are beginning to incorporate econometric modeling into the Envision framework.



The meeting began with a student led poster session illustrating our efforts to date and ongoing plans for exploring both acute and chronic hazards in a coupled fashion.

Our subsequent discussion with the advisory council focused on coastal community planning for climate change and extreme events, with the following questions guiding our conversation:

1. What do you care about? In other words, what types of project output, endpoints, or quantified resilience metrics would most benefit your work?
2. What coastal policies would you most like to see incorporated into the project's framework?
3. What is a useful planning horizon?
4. In this project we plan on adding more econometrics, social equity, and feedbacks between acute and chronic hazards. What else would you like to see us tackle?
5. Are there state-level programs or new initiatives in this area that we should be aware of? Do you know of other data sets or models we should be aware of?
6. Who else should be on our advisory council/ who should we be talking to?
7. What else should we be doing to ensure that this work results in actionable knowledge?

Next Steps identified at our meeting included: 1) additional follow-up with individual members of the Advisory Council from the OSU team; 2) interaction between the OSU team and the Coastal Caucus 3) continued development of both our three-northern county Envision model and the statewide model incorporating acute and chronic hazards along with econometrics and social equity metrics; and 4) development of the Oregon [Coastal Resilience Explorer website](#).

Thank you again for your participation on our Advisory Council and continued support of increasing coastal resilience! Please do not hesitate to contact us with any questions or additional information regarding coastal resilience along the Oregon Coast.

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