Oregon’s Coordinating Council on Ocean Acidification and Hypoxia

Why we need it, where we are

Oregon Department of Fish and Wildlife
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The Underlying Problem of CO$_2$

- Increasing CO$_2$ in atmosphere
The Underlying Problem of CO$_2$

**Increasing CO$_2$ in atmosphere**

**Increasing pCO$_2$ in ocean**

**Decreasing pH in ocean**

CO$_2$ Time Series in the North Pacific

NOAA PMEL Carbon Program: www.pmel.noaa.gov/co2/
Mauna Loa data from NOAA ESRL
ALOHA data adapted from Dore et al. 2009
The Underlying Problem - Compounding Issues
Economic and Ecosystem Impacts

- Atmospheric Carbon Dioxide
- Oceanic Carbon Dioxide
- Changes in ocean chemistry: decreased pH and carbonate, increased hypoxic events
- Ocean Acidification
- Biological Impacts

Economic Impacts Commercial & Sport
Climate Change Solutions

Themes:
Report p. 23
Oregon’s Coordinating Council on OAH

13 member council of governments, agencies, stakeholders, and academics
OAH Council Guiding Principles

Excess CO$_2$ is the key problem, and there are State actions that can address it

Benefits for ecosystems and human communities

Oregon focused actions

Compliment existing management frameworks

Actions targeted for Oregon, the region, and globally

Recommendations are only a starting point

Guiding Principles: Report p. 20
Actions Recommended for Immediate Action

- Support and maintain Oregon’s monitoring of OAH oceanographic metrics and biological response metrics (Actions 1.1.a/c)

- Incorporate OAH into CO₂ management and mitigation discussions in the state (Action 2.1.b)

- Support new initiatives to promote natural ecosystem resilience (Actions 3.2.a/b)

- Keep legislators and policy-makers up-to-date on the science, impacts of and solutions for OAH (Action 4.2.a)

- Develop high-level policy guidance for the state’s government agencies on prioritizing OAH in agency workload (Action 5.1.a)

Short List: Report p. 25
Moving Forward

Process:
Report p. 21
Comments or Questions? Please contact Council Co-Chairs
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