

Natural Resources Agency:

- Worked with Brian Baird and Amy Vierra to support their participation in WCGA
- Represented CA on RDF Steering committee
- Interaction with National Ocean Policy
 - WCGA comments on Strategic Action Plan Outlines
 - WCGA comments on Implementation Plans
- Support of ACTs
 - POC to OAL ACT
 - POC to *Spartina* ACT
- Regional research priorities

Northwest Fisheries Science Center:

- Support John Stein as federal co-lead to CMSP RPB
- Work with Phil Levin (IEA ACT member) to inform IEA process

Regional Research Priorities

Climate Change:

- Sea Level Rise
- Ocean Acidification
- Fisheries
- Ecosystems

Marine Ecosystems + Multiple Uses:

- Cumulative Impacts
- Land-Sea Connection
- Ecosystem Health
- Seafloor Mapping

Vitality of Coastal Communities

- Economic and Social Health
- Tradeoff Analysis
- MPAs
- Disaster Response

Water Quality and Pollution:

- Marine Debris
- Polluted Runoff
- HABs and Hypoxia
- CECs

Fisheries and Aquaculture:

- Fisheries Assessment
- Fisheries Management
- Offshore Aquaculture
- Bycatch

Emerging Issues:

- Offshore Energy
- CMSP

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Regional Research Priorities

Climate Change:

- Sea Level Rise
 - There is a lot known about SLR (recent NAS study highlighted by CC ACT)
 - Less known about specific impacts of SLR on West Coastal coastal communities

Regional Research Priorities

Climate Change:

- Ocean Acidification
 - Research on OA is rapidly expanding; most of these studies are species specific.
 - There is still very little known about how OA will affect communities.

Regional Research Priorities

Climate Change:

- Changes in Ocean Circulation
 - There is still not much known about how ocean circulation will change and how climate patterns such as El Nino and PDO will be affected.
 - Understanding these will be important for understanding impacts on marine and coastal communities.

Regional Research Priorities

Marine Ecosystems and Multiple Uses

- Ecosystem Health:
 - Accurate assessment of Ecosystem Health will take into account Cumulative Impacts (also mentioned as important)
 - Many researchers pointed out that defining Ecosystem Health will be difficult
 - New Nature paper: An index to assess the health and benefits of the global ocean.

Regional Research Priorities

Marine Ecosystems and Multiple Uses

- Land-Sea Connection:
 - Important to connect how rivers and estuaries affect coastal communities and the near-shore environment
 - There is much research in both of these areas, but linking these two may not be as well explored or communicated to policy makers.

Regional Research Priorities

Emerging Issues

- CMSP:
 - CMSP is an important emerging issue and coordination among the states will be necessary
 - Coordination of data especially geospatial data will be needed for implementation of CMSP and the WCGA is already making great strides with the RDF ACT