

Updated 5.1.19

OA Alliance Webinar One

Monitoring for Ocean Acidification: Tools and Methodology, Global Networks and Collaborations, Understanding Coastal Interactions and Building a Regional Inventory

PLEASE RSVP TO JESSIE@OAALLIANCE.ORG IF YOU WOULD LIKE TO JOIN.

Date and Time:

**May 8 at 12:00pm Pacific Standard Time
3:00pm Eastern Standard Time
8:00pm in Plymouth**

**May 9 at 5:00am in Brisbane
7:00am in Dunedin**

Join Zoom Meeting

<https://zoom.us/j/371801228>

Dial by your location

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Meeting ID: 371 801 228

Find your local number: <https://zoom.us/u/aITtXdKoJ>

Proposed Agenda 60 minutes

1) Welcome and Introductions (5 minutes)

2) Tools and methodology for ocean acidification monitoring and establishing SDG 14.3.1 indicator to ensure average marine acidity (pH) is measured consistently. (15 minutes)

- *Understanding OA Conditions, Ecosystem Responses, and tools for Monitoring and Modelling*
- *Tracking pH level variances*
- *Brief description of aragonite saturation states*
- *pH is one driver, among others; describing other modeling parameters*
- *Tailoring monitoring priorities as responsive to local needs (vulnerability, capacity, economic and social consequences)*

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- *Observing and modeling in collaboration with industry*
- *UN SDG 14.3.1 Indicator- Purpose of indicator? How can governments learn more?*
 - Bronte Tilbrook, CSIRO Oceans and Atmosphere/UN Community of Ocean Action Focal Point for Acidification

3) Report out from recent Global Ocean Acidification Observing Network (GOA-ON) annual workshop; Shaping GOA-ON to better meet the information needs of global and local decision makers and the formation of a new NE Atlantic HUB (10 mins)

- *Brief overview and mission of GOA-ON*
- *Report out from 4th annual workshop (who attended, agenda topics/ themes, desired outcomes)*
- *Specific emphasis on agenda topic: shaping GOA-ON to better meet the information needs of decision makers*
- *Creation and first meeting of NE Atlantic HUB: who will the HUB serve? Who can engage? How will HUB reach out to decision makers in the region?*
 - Bronte Tilbrook Global Ocean Acidification Observing Network

4) Leveraging Observatory Networks to Better Understand Terrestrial Coastal Interactions (15 mins)

- *Brief background on Jesse's work at Whiskey Creek Shellfish Hatchery and National Ecological Observatory Network*
- *Importance of coastal and freshwater systems in determining ocean acidification vulnerability and impacts*
- *Emphasis on compounding stressors of terrestrial inputs, upwelling and growth/ urbanization*
- *How can large scale terrestrial observatories be used to fill gaps in understanding and predicting drivers of coastal carbonate chemistry?*
- *What types of collaborations should be encouraged to further fill gaps and provide a more complete picture of coastal ecosystem vulnerability? How can existing observatory networks be leveraged?*
- *Are there any potential policy implications of emerging data or need for more integrated forecasting tools?*
 - Jesse Vance, University of Otago

5) Building a regional inventory of federal and local monitoring assets and uses for decision makers (15 mins)

- *Brief background of PCC/ West Coast Panel regional collaboration and genesis of monitoring inventory*
- *Process for creating inventory and creation of OAH Monitoring Task Force, emphasis on regional and federal collaboration*
- *Goal of compiling inventory- hosting a network that effectively answers management questions about ocean acidification and hypoxia and informs actions that reduce impacts, improve resiliency and support adaptive management along the Pacific Coast of North America*

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- *Next steps for gaps analysis with focus on management implications and uses for decision makers*
 - Caren Braby, Oregon State Department of Fish and Wildlife/ Pacific Coast Collaborative Oregon Representative

5) Thank you and closing remarks (2 minutes)