Building observations and understanding of ocean acidification and deoxygenation

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Scenario

This is a World Café station on a topic that allows for a dialogue at the science-policy nexus and serves as a starting point for boarder discussion. In the context of monitoring climate change from a global perspective, challenges of transferring knowledge from science to policy are often raised, and hence we aim to orient the discussion on the current perception, information transfer and future opportunities to further evolve the dialogue at the science policy nexus. Hence, this World Café will initiative discussions particularly on addressing on the value of indicators and relevant regular reporting such as the WMO State of the Climate, further pathways of improvements, and expectations from policy for improving the knowledge transfer. The specificity in the question does not mean that broader issues cannot be raised by participants. Some background information is provided in Appendix 1.

Question for Scene-setting:

a. What is the current use of acidification and deoxygenation indicators for knowledge transfer from science to policy?

b. Where do you see major gaps and challenges – thematic? regional?

c. What further action is required to strengthen these efforts?

Question for exploring future pathways at the science-policy nexus:

1) How are international policies influenced by understanding of ocean acidification and deoxygenation? Is this incorporated into observational programs? spatial management? Impact assessment? Capacity development and technology transfer?

2) What is needed to strengthen links between the acidification and deoxygenation observations and national policies?

3) Which are the major opportunities to strengthen the OA and deoxygenation knowledge transfer from science to policy?

4) How can the OA and deoxygenation communities work together in support of progress, capacity development, climate resilient pathways and sustainable development?