

Progress Toward TAOS Review

Timeline:

- September 2017: TAOS Review organized by CLIVAR ARP
- October 2017: TAOS Review Committee formed
- February 2018: 1st TAOS Workshop (Portland, OR)
 - Goals: - *discuss science/societal applications*
 - *review present TAOS*
 - *refine list of main science/operational drivers*
- ➔ <http://www.clivar.org/documents/1st-tropical-atlantic-observing-system-review-workshop-report>
- October 2018: 2nd TAOS Workshop (Th/Fr this week)
 - Goals: - *discuss requirements for each science/operational driver*
 - *review RC survey on recommended enhancements and essential elements of a sustained TAOS*
 - *prioritize enhancements; discuss any possible reconfiguration of current TAOS*
 - *recommendations for TAOS governance and resourcing*
- April 2019: Target date for final TAOS Review Report

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Key Science and Operational Drivers for the TAOS

1. Dynamics of Tropical Atlantic Variability
2. Climate Impacts of Tropical Atlantic Variability
3. The AMOC in the Tropical Atlantic
4. The Carbon System in the Tropical Atlantic
5. Biogeochemical Processes in the Tropical Atlantic
6. Ecosystem Dynamics and Fisheries
7. Sea Level Rise and Ocean Heat Content
8. Improved predictions on subseasonal to decadal time scales
 - (a) Weather forecasting
 - (b) Tropical Cyclones and Extreme events
 - (c) Longer-time scale predictions
9. Long-term climate change and impacts