

# US AMOC Science Team Sunset Plans



## **Maintaining momentum until 2020 and beyond**

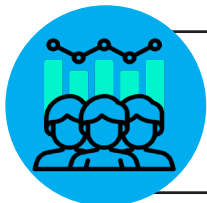
The US AMOC program was established in 2008 to develop an improved understanding of the Atlantic Meridional Overturning Circulation (AMOC), implement components of an AMOC monitoring system, and improve prediction capability. The US AMOC Science Team, comprised of funded investigators, bears the responsibility of accomplishing the program objectives with guidance and oversight from the supporting agencies (NSF, NOAA, NASA, and DOE).

The Science Team will officially sunset on December 31, 2020. Beyond 2020, AMOC science will continue to be of interest to the community. Agency programs will also continue to support AMOC research and infrastructure projects to address the ongoing, pressing science priorities that have been well-honed and articulated by the Science Team.

This document outlines activities the Science Team and US CLIVAR Project Office will work to complete by the sunset date.



# AMOC

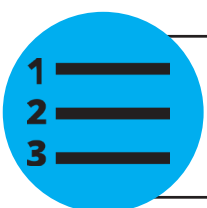


## COLLABORATION

Convene science meetings (2018, 2020) and coordinate conference sessions

Organize a Paleo AMOC Task Team

Transition current program-to-program collaborations (e.g., with UK RAPID-AMOC, EU AtlantOS) to US and International CLIVAR



## PRIORITIES

Revise near- and long-term priorities to reflect ongoing research needs extending beyond the Science Team

Distill a set of programmatic action items to be completed through 2020

Establish the pathway for transitioning components of the AMOC observing system from research to sustained



## LEGACY PRODUCTS

Produce capstone special journal collection, including review/synthesis and science papers

Produce white paper(s) regarding AMOC observing requirements for Ocean Obs '19

Produce metrics for bridging the evaluation of model simulations, reanalyses, and observations

Produce analyses of CMIP6 and CORE simulations of AMOC

Issue final US AMOC Science Team report

Complete bibliometrics of US AMOC Science Team research



## COMMUNICATION

Inform the community of the sunset plans, including a town hall at 2020 Ocean Sciences Meeting

Include discussion of Science Team wrap-up in final two reports

Prepare timeline graphic showing activities for 2018-2020 with indication of ongoing activities beyond

Prepare graphics highlighting Science Team accomplishments

Develop an AMOC website structure to showcase accomplishments/legacy using the above content

Create a general AMOC listserv for the community