

Topics (T)
Interactive Presentations (IP)

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THE NASA SEA LEVEL CHANGE TEAM: FROM OBSERVATION TO ACTIONABLE
INFORMATION

Abstract

The NASA Sea Level Change Team (N-SLCT) was formed with the science goal of improving the understanding of regional relative sea-level change on a range of timescales. The N-SLCT relies heavily on NASA satellite observations, in situ networks, reanalysis and modeling efforts to advance our understanding of sea level change in the past, present, and future. Beyond the science focus of the team, the N-SLCT seeks to address the growing societal need for better sea-level guidance. The N-SLCT has taken tangible steps to engage the stakeholder community and create partnerships with the goal of providing “useful” sea-level information. Stakeholders for the N-SLCT span a wide range, from other federal agencies to international partners to states and cities. Beyond the hypothetical, the N-SLCT has concrete examples of providing actionable information to those that need it.

In presentation, we provide an overview of the extent of the work being done by the N-SLCT and discuss the examples of information and guidance delivery. We structure the content according to the flow of information from research into action, providing overviews for the following stages of the process: 1) Observation, 2) Modeling and Analysis, 3) Synthesis and Projections, 4) Information Delivery. The goal is to communicate the steps that the N-SLCT is taking to both tackle difficult sea-level science questions and address the need for improved sea-level guidance for the diverse stakeholders on an international level.