

# Understanding the Relationship between Coastal Sea Level and Large-Scale Ocean Circulation

Workshop  
5–9 March 2018

This Workshop has several objectives:

(1) review our current understanding of coastal sea level changes and variability, from seasonal to multi-decadal time scales, and characterize the impact of large-scale open ocean processes on coastal sea level; (2) review available observing systems informing on sea level in coastal areas and identify gaps and uncertainties; (3) assess the ability of ocean syntheses in estimating coastal sea level variations and of atmosphere-ocean global coupled models in projecting future changes. Expected outcomes include (1) better understanding of the forcing factors that affect coastal sea level, and of the role of large-scale climate signals, (2) identification of a set of priorities for the development of an optimal and integrated (satellite and ground-based) coastal observing system; and (3) development of strategies to increase model capabilities to forecast short-term processes and project longer-term coastal changes.

#### Conveners

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