



INTERNATIONAL WCRP/IOC CONFERENCE 2017
**Regional Sea Level Changes
and Coastal Impacts**

Poster sessions

THURSDAY
July 13th, 2017

Note:

All posters may be left up for the entire day. Presenters are only required to stand by their poster during the official presentation time for their assigned session

Session 4(b): Contemporary sea level change

Presentation time: Thursday, 11am-12.30pm

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Paper ID	Presenting Author	Submitting Author	Title	Session ID	Poster Board #
329	Laignel, Benoit	Turki, Imen	How well will the Surface Water and Ocean Topography mission (SWOT) measure storm surges in coastal zones?	4b	1
234	Le Bars, Dewi	Le Bars, Dewi	Decomposing the seasonal cycle of sea level in the North Sea	4b	3
131	Le Cozannet, Gonéri	Le Cozannet, Goneri	Using DInSAR to Assess Vertical Ground Motions at Tide Gauges	4b	5
255	Leuliette, Eric	Leuliette, Eric	New Insights From the Sea Level Budget	4b	7
215	Liu, Hailong	Liu, Hailong	Low sea level along the coasts of Northeast Pacific in the winter of 2013–2014	4b	9
353	Lyu, Kewei	Lyu, Kewei	Distinguishing the Quasi-decadal and Multi-decadal Sea Level and Climate Variations in the Pacific: Implications for the ENSO-like Low-frequency Variability	4b	11
157	Madsen, Kristine Skovgaard	Madsen, Kristine Skovgaard	Validation of altimetry-derived regional sea level trends based on reconstruction of Baltic Sea 2D sea level of the last century	4b	13
444	Marsland, Simon	Marsland, Simon	Effect of a Depth Dependent Gent-McWilliams Mesoscale Eddy Diffusivity on Southern Ocean Heat Uptake in a Global Ocean Sea-ice Model	4b	15
361	Matthews, Robin	Matthews, Robin	Sea Level Change in the 6th IPCC Assessment: A WGI Perspective	4b	17
283	McInnes, Kathleen	McInnes, Kathleen	Increasing Australia's Tide Gauge Records Through Data Digitisation	4b	19
377	Mitchum, Gary	Mitchum, Gary	Diagnosis of Large-scale, Low-frequency Sea Level Variability in the NE Pacific Ocean	4b	21
209	Nerem, Robert Steven	Jorda, Gabriel	Direct and indirect estimates of Mediterranean mass variability	4b	23
351	Nerem, Robert Steven	Nerem, Robert Steven	Understanding the Acceleration of Sea Level Rise During the Altimeter Era	4b	25
152	Padilla Polo, Sara	Padilla Polo, Sara	Sea Level Variability Changes From The Open To The Coastal Ocean Observed By Satellite Altimetry	4b	27

115	Palmer, Matt	Palmer, Matthew	Drivers and Predictability of Variations in Regional Sea Level on Seasonal-to-Interannual Timescales	4b	29
164	Passaro, Marcello	Passaro, Marcello	Innovations for satellite altimetry processing in the Arctic Ocean: development and application of a new sea level record (1992-2016)	4b	31
165	Passaro, Marcello	Passaro, Marcello	A 20-year Coastal Altimetry Dataset in the North Sea and Mediterranean Sea	4b	33
301	Passaro, Marcello	Cipollini, Paolo	Towards Seamless Sea Level Trends from a Combination of Coastal Altimetry and TG	4b	35
277	Peng, Dongju	Peng, Dongju	Recent Sea Level Rise and Vertical Land Motion in Singapore	4b	37
252	Piecuch, Christopher	Piecuch, Christopher	Identifying processes controlling recent decadal changes in tropical Pacific sea level	4b	39
372	Ponte, Rui M.	Ponte, Rui	A gravitational and loading signal in absolute sea level near Greenland associated with ice melting	4b	41
416	Ray, Richard	Beckley, Brian	Assessment of Revised TOPEX/Jason Global and Regional Mean Sea Level Estimates Referenced to ITRF2014	4b	43
191	Richter, Kristin	Richter, Kristin	Northern North Atlantic sea surface height in climate models - evaluation of mean state, variability and trends against altimetric observations	4b	45
281	Royston, Samantha	Royston, Samantha	Consideration of Temporally-Correlated Noise in Multi-Variate Sea Level Trend Estimates in the Indo-Pacific Region	4b	47
251	Santamaría-Gómez, Alvaro	Santamaría-Gómez, Alvaro	Uncertainty of the 20th Century sea-level rise due to vertical land motion errors	4b	49
151	Serra, Nuno	Serra, Nuno	Processes Responsible for Steric Sea Surface Height Anomalies in the North Atlantic	4b	51
149	Siegismund, Frank	Siegismund, Frank	Prediction of Regional Sea Level Changes Applying Linear Inverse Models	4b	53
269	Srinivasan, Margaret	Srinivasan, Margaret	NASA Applied Sciences: Coastal Applications of SWOT Mission Data	4b	55
331	Stammer, Detlef	Scharffenberg, Martin	Uncertainty Estimates Of Altimetric Global Mean Sea Level Time Series	4b	57
330	Teferle, F Norman	Teferle, Norman	A Global Vertical Land Movement Data Set from a Combination of Global Navigation Satellite System Solutions	4b	59
381	Thompson, Philip	Thompson, Philip	Forcing of Recent Decadal Variability in the Equatorial and North Indian Ocean	4b	61
384	Thompson, Philip	Thompson, Philip	Are Long Tide Gauge Records in the Wrong Place to Measure Global Mean Sea Level Rise?	4b	63
312	Tissot, Philippe	Tissot, Philippe	Reducing Relative RSLR Confidence Intervals Along the Texas Coast	4b	65

370	Toker, Eilat	Toker, Eilat	The Relationship between Seasonal Average Daily Tidal Shape and its Local Winds Regime: Summer as a Case Study	4b	67
173	Tornqvist, Torbjorn	Tornqvist, Torbjorn	Measuring present-day rates of relative sea-level change in low-elevation coastal zones: A new approach	4b	69
155	Tzortzi, Eleni	Tzortzi, Eleni	DFG Priority Program (SPP-1889) Regional Sea Level Change and Society ('SeaLevel')	4b	71
219	Watson, Christopher	Watson, Christopher	Time Variable Biases Within The Satellite Era Sea Level Climate Record	4b	73
143	Zhai, Li	Zhai, Li	Sea Level Variability along Coast of Nova Scotia: Understanding Forcing Mechanisms and Development of an Adaptation Tool	4b	75

Session 6: Projections

Presentation time: Thursday, 4pm-5.30pm

Note: All posters may be left up for the entire day. Presenters are only required to stand by their poster during the official presentation time for their assigned session.

Paper ID	Presenting Author	Submitting Author	Title	Session ID	Poster Board #
386	Archambault, Heather	Archambault, Heather	A New NOAA Seasonal Sea Level Prediction Research Initiative	6	2
314	Bartholet, Alan	Bartholet, Alan	Modelling Sea-Level Fingerprints of Glaciated Regions with Low Mantle Viscosity	6	4
313	Carson, Mark	Carson, Mark	How Robust Are Dynamic Sea Level Changes in Future Model Projections?	6	6
263	Durand, Gael	Durand, Gael	Evaluating potential tipping points of Antarctic outlet glaciers	6	8
183	Han, Guoqi	Han, Guoqi	Scenarios of twenty-first century mean sea level rise for Canada	6	10
295	Jackson, Luke	Jackson, Luke	Can you spot the difference? Distinguishing between end-of-century sea-level projections for 1.5°C and 2.0°C worlds	6	12
201	Jevrejeva, Svetlana	Jevrejeva, Svetlana	Coastal Sea Level Rise With Warming Above 2 Degree	6	14
232	Le Bars, Dewi	Le Bars, Dewi	A high-end sea level rise probabilistic projection including rapid Antarctic ice sheet mass loss	6	16
344	Little, Christopher	Little, Christopher	CMIP5 Projections of Polar Ocean Warming, and Implications for Forcing Ice-Sheet Models	6	18
235	Mengel, Matthias	Mengel, Matthias	The Paris Agreement's imprint on 2300 sea level rise	6	20
212	Milne, Glenn	Milne, Glenn	Projections of Sea-Level Change Along the Atlantic and Gulf Coasts of North America: Quantifying the Contribution From Glacial Isostatic Adjustment	6	22
145	Nauels, Alexander	Nauels, Alexander	Sea Level Rise Under The Shared Socioeconomic Pathways	6	24
113	Nowicki, Sophie	Seroussi, Helen	initMIP-Antarctica: An ice sheet model initialization experiment of ISMIP6	6	26
153	Ojha, Sayantani	Stammer, Detlef	Analysis of sea level sensitivity in MPI-ESM model	6	28

123	Palmer, Matt	Howard, Tom	Projected Storminess Contribution to 21st Century Changes in Sea Level Extremes around the UK Coastline	6	30
119	Saenko, Oleg	Saenko, Oleg	Response of the North Atlantic Dynamic Sea Level and Circulation to Greenland Meltwater and Climate Change in an Eddy-permitting Ocean Model	6	32
248	Sasgen, Ingo	Rückamp, Martin	Simulation of the Greenland Ice Sheet evolution using a hybrid initialization procedure	6	34
150	Siegismund, Frank	Siegismund, Frank	Regional Projection of North Atlantic Sea Level Trends and Statistics from High Resolution Ocean Modeling	6	36
260	Sonnewald, Maike	Sonnewald, Maike	Linear predictability: A sea surface height case study	6	38
349	Sutter, Johannes	Sutter, Johannes	Antarctica's role in future sea level change and analogies in the Last Interglacial.	6	40
226	Suzuki, Tatsuo	Suzuki, Tatsuo	Difference of Regional Sea Level Changes between Extended RCP2.6 and RCP4.5 Scenarios in MIROC5.0	6	42
189	Terada, Mio	Terada, Mio	Projected sea level rise, gyre circulation and water mass formation in the western North Pacific: CMIP5 inter-model analysis	6	44
	Weatherhead, Elizabeth	Weatherhead, Elizabeth	Verification of Wave Forecasts in the Context of Changing Sea Levels	6	46
418	Wu, Quran	Wu, Quran	Time-dependent Expansion Efficiency of Heat in Climate Models	6	48

