

PROVISIONAL PROGRAMME (06 June 2018) : may yet be subject to change!

Monday 2nd July 2018

09:00 EURO-GOOS (NOCL Doodson Rm)

16:00 ECRA meeting (NOCL library)

17:30 Registration (Foresight Centre)

18:00 Icebreaker (Foresight Centre)

Including Time and Tide exhibition at NOC and ... TBC

Tuesday 3rd July 2018

08:00 Registration (UoL CTH)

08:30 Housekeeping

08:35 Welcome (Doug Mair)

08:45 Introduction from PSMSL (Lesley)

09:00 **Keynote** Begoña Pérez Gómez

Challenges of present day tide gauge observing systems

09:30 **Talk** Mike Osborne

Reasons to combine operational and long-term measurements of sea level

09:50 **Talk** Nigel Penna

Measuring sea surface height with a GNSS Wave Glider

10:10 **Talk** Samuel Olumide Akande

Vulnerability assessments of West African coast to sea-level changes using radar and geospatial techniques

10:30 Posters A (with Coffee)

11:30 **Keynote** Richard Greatbatch

Interannual sea level variability in the tropical Pacific from 1961-2014 derived using a multi-mode linear model system

12:00 **Talk** Anthony Wise

Connecting the open ocean and coastal sea level along western boundaries, why bathymetry matters.

12:20 **Talk** Jorge Zavala-Hidalgo

Reviewing the seasonal sea level variability of the Gulf of Mexico

12:40 **Talk** Chris Hughes

The global coastal mean dynamic topography from tide gauges

13:00 Lunch

14:00 **Keynote** Benoit Meyssignac

Climate model simulations of the 20th century sea-level changes compared to observations.

14:30 **Talk** Mohammad Hadi Bordbar

Contribution of internal variability to the dynamic sea level changes in the tropical Pacific during the recent decades

14:50 **Talk** Miguel Esteban

How to adapt to sea level rise: Lessons from cities and islands experiencing land subsidence

15:10 Posters B (with Coffee)

16:00 **Talk** Sam Royston

Steric sea-level trends in the Argo epoch: First results from an integrated, spatial sea-level budget assessment

16:20 **Talk** Jennifer Hornsby

Coastal Flood Boundary update 2018

16:40 **Talk** Jeremy Rohmer

Addressing ambiguity in probabilistic assessments of future marine flooding using possibility distributions

17:00 **Keynote** Jérôme Benveniste

ESA's Earth Observation in Support of the Marine Environment

17:30 Finish

19:00 Conference dinner (Mercure)

Wednesday 4th July 2018

08:55 Housekeeping (UoL CTH)

09:00 **Keynote** Anny Cazenave The 25-yr-long sea level record from satellite altimetry: Lessons learned, remaining gaps, new scientific questions

09:30 **Talk** Jonathan Bamber The land ice contribution to sea level during the satellite era

09:50 **Talk**

10:10 **Talk** Francisco Calafat Coherent modulation of the sea-level annual cycle in the United States by Atlantic Rossby waves

10:30 Posters C (with Coffee)

11:30 **Keynote** Sönke Dangendorf Progress in reconstructing global and regional sea level changes

12:00 **Talk** Maialen Irazoqui Apecechea Global modelling of future extreme sea-levels using a high-resolution Global Tide and Surge Model

12:20 **Talk** Gerard McCarthy Vulnerability of Dublin Bay to Extreme High Water Levels

12:40 **Talk** Thomas Prime Relocatable storm surge forecasting for predicting extreme sea levels in coastal areas

13:00 Lunch

14:00 **Keynote** Stefano Vignudelli Coastal Sea level monitoring using satellite radar altimetry: a decade of progress and beyond

14:30 Discussion (Chaired by Kevin)

15:10 Posters D (with Coffee)

16:00 **Talk** Ivan Haigh Projecting sea-level rise changes out to 2300 for Paris Agreement commitments

16:20 **Talk** Ma. Laurice Preciado Jameró In-situ adaptation can enable relocation

16:40 **Talk** Alexandra Toimil A probabilistic framework for the assessment of coastal impacts

17:00 **Keynote** Mark Merrifield Subseasonal to seasonal forecasts of coastal sea level

17:30 Closing remarks (Sveta)

18:00 Finish

Thursday 5th – Friday 6th July

Tidal analysis training course, (NOCL Doodson Room)

Posters **PROVISIONAL PROGRAMME (06 Jun 2018) : may yet be subject to change!**

Posters are divided into 4 groups, A B C D. They can be displayed for the whole day (possibly the whole meeting depending on space) but poster presenters will be invited to stand near their posters at specified times for discussions.

We will briefly (total <5min) introduce all the poster presenters before each poster session.

Posters A: (Tuesday am)

Leon Jänicke	Assessing 20th century tidal range changes in the North Sea
Fabio Mangini	Impact of the large-scale atmospheric circulation on the sea level variability over the Northern European continental shelf
M. KARPYTCHEV	Subsidence of the Ganges-Brahmaputra Delta induced by sediment loading
Luke Jackson	The impact of ice sheet interdependence upon probabilistic projections of sea-level change.
David Cotton	Application of satellite altimetry as a tool for managing coastal risk in Mozambique, Madagascar and South Africa
Michela De Dominicis	Modelling the impacts of climate change and tidal stream energy extraction in a shelf sea.
Joanne Williams	Storm surge forecasting procedures: errors arising from the double-counting of radiational tides.
Philip L. Woodworth	Sea Level Change in Great Britain between 1859 and the Present
Phil Knight	Tidal Level Measurements for Coastal Resilience and Survey
Ivica Vilibic	High-frequency sea level oscillations: relevance, predictability, climate and projections

Angela Hibbert	The Semiannual Oscillation of South Atlantic and Southern Ocean Sea Level
Felipe Hernández Maguey	Sea level impact of the Northers in the Mexican Pacific
Martin Horwath	Global Sea Level Budget and Ocean Mass Budget Assessment: Preliminary Results From ESA's CCI Sea Level Budget Closure Project

Posters B: (Tuesday pm)

Ferret Yann	Historical sea level data rescue to assess long-term sea level evolution. Example of Saint-Nazaire (France)
KEMGANG GHOMSI Franck Eitel	Sea Level Variability on Interannual, Decadal and Longer Time Scales along the Tropical Atlantic
Cléa Denamiel	The AdriSC modelling suite: operational and research modes in reproducing meteotsunamis
Jenny Brown	WireWall – a new approach to measure coastal wave hazard
Thomas Dhoop	Regional variability in the relative importance of surge and wave forecasting around the English coastline
Clousa Maueua	Sea Level Variability in Pemba, North of Mozambique
Matias G Boll	Sea Level Monitoring in the South Atlantic Coast: Preliminary results for 3 tide gauges operating for 817 days in South Brazil
Tabea Brodhagen	Influence of sea level rise on highest water levels during storm surges in the Ems estuary
Marco Olivieri	Sea-level rise along the Emilia-Romagna coast (Northern Italy) in 2100: scenarios and impacts
Chris Banks	Out of the Freezer: Scientific Altimetry Studies using CryoSat-2 in the Global Ocean
Caitlin Nagle	Late Holocene Sea-level change in the Dysynni Valley, Wales
Svetlana Jevrejeva	Changes in global extreme sea levels by 2100
Phil Woodworth	The tidal measurements of James Cook during the voyage of the Endeavour

Posters C: (Wednesday am)

Paola Picco	Tsunami-like occurrence detection and characterization: a comparison between time-frequency analysis methods
María Elena Osorio-Tai	GNSS REFLECTOMETRY APPLIED TO MEXICO TIDE GAUGE SITES
Lucy Bricheno	Changes in wave contribution to total sea-level in response to high-end climate scenarios.
Benjamín Colón Rodríguez	Exploring broad usage of Sea-Level data provided by the Puerto Rico Seismic Network as a Natural Laboratory
Katarzyna Pajak	Investigation of the dynamic sea level changes in the Polish coastal zone
Leigh Richard MacPherson	A stochastic storm surge model for the German Baltic Sea coast
Andy Matthews	Making sea level data FAIR
Jessica Kelln	Assembling historical tide gauge records to a novel Baltic mean sea level data base
Peter Hogarth	Improving our understanding of sea level rise, acceleration and variability. Finding and assimilating new old data.
Matthew Couldrey	Drivers of the sea level response to common flux perturbations
Jan Even Øie Nilsen	The effect of decadal variability on the extreme sea levels on the west coast of Norway
Angela Hibbert	Tailoring Tide Gauge Technology to Developing Economies

Posters D: (Wednesday pm)

Luciana Fenoglio	Coastal Sea Level Rise and Land Vertical Motion
Youngmi Kim	Future Sea Level Projections over the Seas around Korea peninsular
Andrew Shaw	Improving the Validation Technique for Coastal Sea Level Rates from Tide Gauge and Satellite Altimetry Observations
Gael ANDRE	Characterization and prediction of seiches in small-scale harbours
Bernardino Nhantumbo	Drivers and trends of coastal sea level variability along the east and south of South Africa

Ying Qu	Sea-level rise and variability in China
Melisa Menendez	Can the coastal return sea levels be estimated when there is no local information?
Charlotte Lyddon	Flood hazard assessment for a hyper-tidal estuary and river as a function of tide-surge-morphology interaction
Steffen M. Olsen	Extreme sea level in the Danish coastal area as part of a new national climate service
Sam Royston	Variability in sea-level trends from open ocean to the coast: An Australian case-study
Eleanor O'Rourke	Developing the Irish National Tide Gauge Network for 21st Century Challenges
Xiaorong Li	Survival of coastal wetland under rising water levels
Andrew J. Plater	Tectonic influences on late Holocene relative sea levels from the central-eastern Adriatic coast of Croatia