



Sea-level Rise

meeting the challenge

CONFERENCE | WELLINGTON 10-11 MAY 2012

Demand for science-based advice to assist coastal planning for sea-level rise due to climate change is growing. In light of this the New Zealand Climate Change Centre (NZCCC) invites you to attend a conference focussing on sea-level rise and the challenges this brings as risks change over time.

This two-day conference will include keynote speeches and presentations from leading international and New Zealand-based experts and practitioners on coastal and sea-level rise issues. Panel sessions and dialogue discussions will ensure a high level of attendee input and interaction.

The NZCCC's aim is to stimulate collaborative research and dialogue by facilitating communication between scientists, planners, councils, engineers, businesses, Māori and organisations giving advice and making decisions on climate change impacts. The conference will therefore have a strong inter-disciplinary focus.

We look forward to seeing you in Wellington at the NZCCC Conference 'Sea-level Rise: Meeting the Challenge' for a stimulating and informative two days.

David Wratt

Director NZCCC & Conference Convenor

The Conference will:

1. Present the latest science of sea-level rise associated with climate change, including the role of polar ice-sheet melt
2. Present a synthesis of recent projections for sea-level rise and discuss the uncertainties associated with these projections
3. Identify anticipated impacts on New Zealand's coastal environment and infrastructure resulting from climate change
4. Discuss whether adaptive risk management for adapting to sea-level rise will be adequate given the ranges projected and their uncertainties
5. Stimulate discussion of how end-users can manage present and future coastal issues and how social and bio-physical scientists, central and local government, and infrastructure operators can work together with communities to build resilient systems
6. Describe approaches that have been taken to planning "coastal futures", which take into account community and resource-user needs underpinned by plausible climate change projections, adaptive approaches to manage uncertainties, and sound approaches to developing coastal policies.

10-11 May 2012, Museum of New Zealand, Te Papa Tongarewa, Wellington, New Zealand

KEYNOTE SPEAKERS



John Church (CSIRO, Australia) will present the latest international science on the causes, attribution and projections of sea-level

rise. *John Church is CSIRO Fellow and an oceanographer with the Centre for Australian Weather and Climate Research. He is a Fellow of the Australian Academy of Technological Sciences and Engineering and has published across a broad range of topics in oceanography.*



Tim Reeder (Environment Agency, United Kingdom) will outline approaches to adapting to sea-level rise in the United Kingdom, including using the

Thames Estuary Project 2100 as an example of how uncertainty has been addressed over long timeframes. *Tim Reeder is the Regional Climate Change Programme Manager in the South East Region of the Environment Agency. He has been involved in climate change issues for over twenty years and contributed to the IPCC Fourth Assessment Report.*

Rob Bell (NIWA) will present historical observations and projections for New Zealand and discuss how sea-level rise will impact New Zealand in addition to other coastal hazards.

Judy Lawrence & Martin Manning (NZCCRI, Victoria University of Wellington) will outline the nature of changing climate risk and its significance for decision-making using a risk-based framework for adapting to the range of sea-level rise effects over time.

Bruce Glavovic (Massey University) will identify lessons from a range of environmental disasters for managing the impacts of climate change on the coast.

Chris Cameron (Wellington City Council) will present the context within which New Zealand Councils operate under sea-level rise and coastal planning.

Plus many more...

POSTERS

Posters are welcomed. See the conference website for more information.

REGISTRATION & CONFERENCE WEBSITE

Please register for the conference at:

 www.confer.co.nz/nzccc2012

Last day for early bird registrations:

5 April 2012

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THE NEW ZEALAND CLIMATE CHANGE CENTRE

The NZCCC is a joint initiative by all of New Zealand's Crown Research Institutes, Massey University, the University of Canterbury and Victoria University of Wellington.

 www.nzclimatechangecentre.org

