

Floodplain Management Australia National Conference - Preconference workshop

Gold Coast Convention and Exhibition Centre on the 29 May 2018

Workshop 1: Interaction of Catchment Flooding with Coastal Processes in a changing climate

This workshop aims to provide an understanding of how the interaction of catchment flooding and coastal processes can vary in coastal waterways and influence risks to the community, to discuss practical approaches to management of risk to communities in these areas, and outline the future challenges in addressing this interaction as the climate changes. The workshop will draw upon the experience of a range of industry experts from across Australia to share their experience and knowledge.

9:00 Introduction – Duncan McLuckie Principal Flood Specialist NSW Office of Environment and Heritage

Coastal processes and how they may impact upon coastal waterways

9:10 Coastal Process Basics and Gold Coast Waterways Case study – Rodger Tomlinson - Director Griffith Centre for Coastal Management

9:40 Ex-tropical cyclone Debbie, timing of storm surge, tide and flooding in the Brisbane River - Daryl Metters, Coastal Impacts Unit, Queensland Department of Environment and Science.

10:05 Extreme Water Levels – NSW – Bronson McPherson – Director Engineering NSW Manly Hydraulics Laboratory

10:30 **Morning Tea**

Guidance relating to assessing interaction of coast and catchment flooding

11:00 Victoria Future Coasts Program and Victorian Case Studies – Mike Edwards Program Leader, Strategic Policy, Floodplain Management, Victorian Department of Environment, Land, Water and Planning

11:30 ARR guidance on joint probability – Mark Babister, Managing Director WMAWater Pty Ltd

11:50 NSW Guidance on Coincidence of Coast and Catchment Flooding – Angela Toniato - Senior Natural Resource Officer (Floodplain Management) NSW Office of Environment and Heritage

12:10 Entrance Management Planning in ICOLLS – John Murtagh Senior Natural Resource Officer – NSW Office of Environment and Heritage

12:30 **Lunch**

Adaption considering a changing climate

1:30 ARR Climate Change Guidance - Duncan McLuckie - Principal Flood Specialist NSW Office of Environment and Heritage

1:50 Sea Level rise predictions and identifying the challenges for coastal communities, e.g. protect, adapt, retreat – Jean Palutikof and Fahim Tonmoy, NCCARF

2:25 Adapting to Climate Change - Lake Macquarie NSW - Alice Howe – Manager Planning and Sustainability – Lake Macquarie City Council

3:00 **Afternoon Tea**

3:30 Open discussion session on considering coastal impacts in flooding and adaptive approaches. Several case studies are available to inform group discussions.

5:00 **Close**