

Program Outline

**Climate Change, Sea Level Rise and Wetland Adaptations**

Thursday, 5 June 2008

***Predictions, assumptions and models***

**08:30** Registration, Novotel Hotel, Sydney Olympic Park

**09:00** Welcome

***SESSION I: Keynote Talk***

**09:15** How vulnerable are Australian wetlands to impacts of climate change and sea level rise?

- Prof Max Finlayson, Charles Sturt University, Albury

***SESSION II: Assumptions and Models***

**10:00** Hydrological modelling: climate change and wetlands hydrology

- Prof Ron Cox, Director, Water Research Laboratory, University of NSW

**10:30** How accurate are those predictions?

- Dr Peter Smith, NSW Department of Environment and Climate Change, Parramatta

**11:00 MORNING TEA**

***SESSION III: Predictions and adaptations in inter-tidal wetlands***

**11:30** Effects of Climate Change and Sea Level Rise: threats to mangroves

- Emeritus Prof Colin Field, University of Technology Sydney

**12:00** Evidence of sea level rise: threats to coastal saltmarsh

- Prof Neil Saintilan, NSW Department of Environment and Climate Change

**12:30** Climate change perspectives on food web structures in wetlands

- Dr Debashish Mazumder, ANSTO

**13:00 LUNCH**

***SESSION IV: Predictions and adaptations in inland wetlands***

**13:45** Evidence of climate change: drying rivers and dying birds

- TBC – Prof Richard Kingsford, University of NSW

**14:30** Vulnerability of inland catchment areas to Climate Change

- Dr Kerrylee Rogers and Prof Neil Saintilan, NSW Department of Environment and Climate Change, Sydney

**15:00 AFTERNOON TEA**

***SESSION V: Policies and programs***

**15:30** How can we harness market, regulation and social marketing to support climate adaptation?

- *Prof Paul Martin, University of New England*

**16:00** How may various climate change policies, programs and measures in wetlands be integrated and better coordinated?

- *Dr Mark Conlon, Climate Change Policy Section, NSW Department of Environment and Climate Change, Sydney*

**16:30** Discussions and recommendations

**17:00 CLOSING**

Program Outline

**Climate Change, Sea Level Rise and Wetland Adaptations**

Friday, 6 June 2008

***Practical measures for mitigation and adaptations in protecting wetlands***

**08:30** Registration, Energy Australia Education Centre (Bld 46), Newington Armory, Sydney Olympic Park

***SESSION VI: Theory & Practical***

**09:00** Likely impacts of climate change on coastal marshes and floodplains

- *Prof Paul Adam, University of NSW*

**09:30** Will Climate Change alter the way we manage mosquitoes and wetlands?

- *Dr Cameron Webb, ICPMR- Department of Medical Entomology, Westmead Hospitals*

**10:00** Need for a proper scientific approach in making climate change predictions

- *TBC – Prof Tony Underwood, University of Sydney*

**10:30 WORKING TEA**

***SESSION VII: Practical- outdoor activities***

**10:45** Sediment bed elevation measurements by using Sediment Elevation Tables (SET)

- *Dr Kerrylee Rogers and Prof Neil Saintilan, NSW Department of Environment and Climate Change, Sydney*

**11:30** Adapting the sea-level rise: saltmarsh and mangrove rehabilitation techniques at Sydney Olympic Park- field case studies (2-3 sites)

- *Dr Swapan Paul and Dr Marianne Sheumack, SOPA*

**13:00 LUNCH**

***SESSION VIII: Practical- laboratory activities***

**13:45** How to use GIS in ecosystem modelling and drawing predictions

- *Greg West, Marine Parks Authority and Rob Williams, DPI Fisheries*

**14:45** GIS in combating climate change effects on wetlands: practical applications of GIS tools

- *Dr Eleanor Bruce, University of Sydney and Dr Thomas Zeng, Parklands Foundation*

**15:30 WORKING TEA**

***SESSION IX: Discussions***

**15:45** Realistic Action Plans for combating climate change effects on wetlands [group activities]

**16:30 CLOSING/CERTIFICATES**