



National Estuaries Network



National Estuaries Network (NEN) Science Symposium: Challenges facing estuaries in the 21 century: A Scientist's Perspective.

Hosted by the NSW Department of Environment, Climate Change and
Water and Geosciences Australia.

**Date: Wednesday 1st December 2010 – 8: 50 am to 5pm (registration from
8.15am)**

**Venue: The Theatre - Australian Museum - 6 College Street, Sydney NSW,
2000. www.australianmuseum.net.au/venues**

Lunch, morning and afternoon tea will be provided at the museum's
Terrace Room. Drinks will be available for purchase in the museum's
Skeleton Room following the Symposium.

Please reply to Jaimie Potts by email
(Jaimie.Potts@environment.nsw.gov.au) or telephone (02 99955642) to
book attendance. RSVP essential as there are limited places. (Program
attached).



Australian Government

Geoscience Australia

APPLYING GEOSCIENCE TO AUSTRALIA'S
MOST IMPORTANT CHALLENGES



**Environment,
Climate Change
& Water**

Keynote Speaker: Professor Michael Kemp



William Michael Kemp is a Professor at the University of Maryland's Center for Environmental Science, Horn Point Laboratory. For the past three decades, his research has focused primarily on factors controlling productivity, biogeochemistry and food-web dynamics in coastal ecosystems, using simulation models, ecosystem experiments, and retrospective analysis of time-series data. His research has led to the publication of more than 150 peer-reviewed articles and four co-authored books on coastal ecology, and he has mentored 25 graduate students. He has served on editorial boards of four major scientific journals and was recently co-recipient (with W. Boynton) of CERF's Odum Lifetime Achievement Award. Dr. Kemp has also been actively involved in applying scientific understanding toward effective coastal resource management, serving on the Scientific and Technical Advisory Committee of the Chesapeake Bay Program. He has also been an active member of science advisory committees for various institutions including the Danish Ministry of Environment, the University of Stockholm, the Pew Foundation, the National Research Council, the International SCOR, and the Royal Swedish Academy of Science.



Map showing location of the Australian Museum, 6 College Street, Sydney.

National Estuaries Network (NEN) Science Symposium Program:

Time	Venue	Session	Chair	Speaker	Organisation	Presentation Title
8:15 am		Registration				
8:50 am	Theatre	Welcome		Dr Kate Wilson	NSW DECCW	
9:00 am	Theatre	Keynote	Dr Klaus Koop	Prof Mike Kemp	University of Maryland	Degradation and restoration of coastal ecosystems: A case study of Chesapeake Bay
10:00 am	Theatre			Prof Michael Keough	University of Melbourne	Engineering ecological resilience in the sea
10:20 am				Dr Bob Creese	I & I NSW	Estuarine habitat destruction
10:40 am	The Terrace	Morning tea				
11:10 am	Theatre		Dr Klaus Koop	Mr David Hanslow	NSW DECCW	Coastal lake entrances and climate change
11:30 am	Theatre			Prof Maria Byrne	University of Sydney	Impacts of climate change on marine invertebrate life histories
11:50 am	Theatre			Dr Kerry-Lee Rogers	NSW DECCW	Assessing the vulnerability of saline coastal wetlands to sea-level rise
12:10 pm	Theatre			Dr Angus Ferguson	NSW DECCW	Estuarine ecological response models to predict effects of climate change and eutrophication
12:30 pm	The Terrace	Lunch				
1:30 pm	Theatre		Mr Tim Pritchard	Dr Anthony Roach	NSW DECCW	Organic micro-pollutants in our estuaries
1:50 pm	Theatre			Dr Brendan Kelaher	Batemans Bay Marine Park	Importance of top down predation in marine park sanctuary zones
2:10 pm	Theatre			Dr Emma Johnson	UNSW	Who is sensitive to what?: assessing and understanding ecological changes in highly disturbed estuaries
2:30 pm	Theatre			Professor Ian Suthers	UNSW	Water quality and the unappreciated roles of zooplankton, benthic grazers and mangrove habitat for mussels
2:50 pm	The Terrace	Afternoon Tea				
3:20 pm	Theatre		Dr Peter Scanes	Dr Doug Rotherham	I & I NSW	Surveys of estuarine fisheries resources in NSW: who, what, why, where, when and how?
3:40 pm	Theatre			Dr Marcus Lincoln-Smith	Cardno	Challenges and needs for Environment Impact Assessment in estuaries
4:00 pm	Theatre			To be announced	I&I NSW and NSW DECCW	Gaps in science knowledge in an estuarine context: management needs and policy making in NSW.
4:20 pm	Theatre	Discussion	Dr Peter Scanes	Questions from floor		
5:00 pm	Skeleton Room	Drinks				
6:00 pm	Close					

