



Agenda

Ocean Acidification: Australian Impacts in the Global Context

DAY 1 – Monday 2 June 2008

0900-0930	Coffee
0930-0935	Welcome ACE CRC CEO: Bruce Mapstone
0935-0945	Day 1 objectives, agenda, housekeeping and logistics Workshop Chairs: Will Howard and Bronte Tilbrook
	Question 1: What are the predicted changes and uncertainties in marine geochemistry for a range of future CO₂ emission scenarios? Chair: Will Howard
0945-1015	Title: Carbonate buffering constraints on long-term geologic changes in the carbon cycle Speaker: Eric Sundquist (U.S. Geological Survey, USA)
1015-1045	Title: Projected climate change feedbacks on future ocean acidification Speaker: Ben McNeil (University of New South Wales, Australia)
1045-1115	Coffee
	Question 2: What processes influence biological response to changes in ocean chemistry? Chair: Bronte Tilbrook
1115-1145	Title: A mechanistic explanation to the sensitivity of foraminifera and corals to ocean acidification Speaker: Jonathan Erez (Hebrew University of Jerusalem, Israel)
1145-1215	Title: Effects of elevated CO ₂ on photosynthetic microalgae Speaker: John Beardall (Monash University, Australia)
1215-1245	Title: An overview of chemical processes controlling the biological availability of iron in marine waters Speaker: Andrew Rose (University of New South Wales, Australia)
1245-1330	Lunch
	Question 3: What can the fossil record tell us about the response of the marine biota to changes in ocean carbonate chemistry? Chair: Will Howard
1330-1400	Title: Massive coral growth histories: potential records of ocean acidification impacts? Speaker: Janice Lough (Australian Institute of Marine Science, Australia)
1400-1430	Title: Response of coral reefs to rapidly increasing ocean acidification Speaker: Malcolm McCulloch (Australian National University, Australia)
1430-1500	Coffee
	Research Strategy Breakout Groups
1500-1700	1. What are predicted changes in marine chemistry? 2. What processes influence biological response to acidification? 3. What can fossil marine biota tell us about responses to acidification?
1830-2230	Workshop Dinner – Moorilla Vineyard

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DAY 2 Tuesday 3 June 2008

0900-0925	<i>Coffee</i>
0925-0930	Day 2 objectives, agenda, housekeeping and logistics Workshop Chairs: Will Howard and Bronte Tilbrook
	Question 4: What parts of Australia's biota are vulnerable to acidification and how do we assess this? Chair: Bronte Tilbrook
0930-1000	Title: The distribution of carbonate minerals in shelf and slope environments Speaker: Ralf Haese (Geoscience Australia, Australia)
1000-1030	Title: Modeling coral reef communities response to ocean acidification Speaker: Ken Anthony (University of Queensland, Australia)
1030-1100	Title: Response of non-coral calcifiers to ocean acidification Speaker: Brad Opdyke (Australian National University, Australia)
1100-1130	<i>Coffee</i>
	Question 4: (cont.) What parts of Australia's biota are vulnerable to acidification and how do we assess this? Chair: Will Howard
1130-1200	Title: The impact of ocean acidification on bryozoan communities Speaker: Abby Smith (University of Otago, New Zealand)
1200-1230	Title: Impacts of ocean acidification on krill Speaker: So Kawaguchi (Australian Antarctic Division, Australia)
1230-1330	<i>Lunch</i>
	Question 5: How can research inform policy and management of Australian and Antarctic marine ecosystems? Chair: Rosemary Sandford
1330-1500	Discussion forum to address the divide between research and policy and management of Australian and Antarctic marine ecosystems
1500-1530	<i>Coffee</i>
	Research Strategy Breakout Groups
1530-1700	4. What are Australia's vulnerable biota? 5. How can research inform policy and management?



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DAY 3 – Wednesday 4 June 2008

0900-1000	Workshop Media (Jess Tyler – ACE CRC media liaison) <i>Chairs and Workshop Speakers only</i>
1000-1025	<i>Coffee</i>
1025-1030	Day 3 objectives, agenda, housekeeping and logistics Workshop Chairs: Will Howard and Bronte Tilbrook
	Workshop Delivery Groups – plenary
1030-1045	Plenary Session: Overview of Workshop Delivery Group Objectives Chairs: Will Howard and Bronte Tilbrook
	Workshop Delivery Groups – parallel
1045-1230	Q1 – what are the predicted changes in marine geochemistry? Q2 – what processes influence biological response? Q3 – what can fossil marine biota tell us about adaptation? Q4 – what are Australia’s vulnerable biota? Q5 – how can research inform policy and management?
1230-1400	Lunch
1400-1500	Workshop Delivery Groups Report (10 minutes each)
1500-1530	<i>Coffee</i>
1530-1700	Plenary discussions to define: <ul style="list-style-type: none">• workshop recommendations and research strategies to answer Q’s 1-5• workshop deliverables: actions, timeframes and steering group