

# Ningaloo Outlook

## Ningaloo Outlook Symposium

Timing: 13:00 – 17:00 pm, Tuesday 14<sup>th</sup> February 2017

**13:00 - 13:10 pm Registration**

Venue: Auditorium, Indian Ocean Marine Research Centre, University of Western Australia, Cnr Fairway and Service Road 4, Crawley WA 6009

### Symposium Purpose:

*The Ningaloo Outlook team has completed its second year of research activity. Researchers from the team will present their latest research findings from the deep reefs, shallow reefs, and tagging and tracking research themes.*

*The purpose of the symposium is to bring together interested persons from industry, government, academia and the community to hear about the latest research findings in Ningaloo Outlook in an open and inclusive forum.*



Outline of the Day

Timing	Item	Speaker/Facilitator
13:10 – 13:30	<b>Welcome and Introductions</b> BHP Billiton and CSIRO– an overview of the Ningaloo Outlook partnership	Mat Vanderklift – CSIRO & Brian Starkey – BHP Billiton
13:30 – 13:50	<b>Keynote Speech: Ningaloo in Perspective: directing the research agenda of coral reefs in the NW of WA and globally</b>	Professor Gary Kendrick – UWA
13:50 – 14:20	<b>Theme 1 – Deep Reefs</b> <ul style="list-style-type: none"> <li>Classifying and mapping Ningaloo Deepwater habitats (10 min)</li> <li>Global studies of mesophotic coral reefs – Ningaloo in context (10 min)</li> <li>AUV surveys of deepwater corals at Ningaloo Reef (10 min)</li> </ul>	Simon Collings – CSIRO Joe Turner – PhD Scholar Russ Babcock – CSIRO
14:20 – 14:35	<b>Theme 1 Question Time</b>	Andy Steven - CSIRO
14:35 – 15:05	<b>Theme 2 – Shallow Reefs</b> <ul style="list-style-type: none"> <li>Life on the reef slope - wave driven structuring of Ningaloo reef slope benthic communities (7 min)</li> <li>Environmental drivers shaping the Ningaloo shallow water fish communities (7 min)</li> <li>Urchin distributions along the slope and inner habitats of Ningaloo Reef (7 min)</li> <li>Climatic disturbances in marine systems: inertial and elastic resilience (7 min)</li> </ul>	Damian Thomson – CSIRO  Mick Haywood – CSIRO  Cindy Bessey – CSIRO  Anna Cresswell – PhD Scholar
15:05 – 15:20	<b>Theme 2 Question Time</b>	Andy Steven - CSIRO
15:20 – 15:40	<b>Coffee and Stretch Break</b>	
15:40 – 16:05	<b>Community Outreach Program at Ningaloo – building capacity</b> <ul style="list-style-type: none"> <li>Community Engagement at Exmouth - BHP Billiton Introduction (5 min)</li> <li>An Exmouth Perspective – engaging Exmouth School (15 min)</li> </ul>	Claire Hall – BHP Billiton Ray Denholm – Exmouth School
16:05 – 16:35	<b>Theme 3 – Tagging Turtles and Sharks</b> <ul style="list-style-type: none"> <li>Movement of whale sharks and reef sharks at Ningaloo Reef (10 min)</li> <li>Satellites, syringes and students: using different approaches to understand large animal ecology in Ningaloo Outlook (10 min)</li> <li>Foraging ecology and energetics of green turtles at Ningaloo (10 min)</li> </ul>	Richard Pillans – CSIRO Mat Vanderklift – CSIRO Jessica Stubbs – PhD Scholar
16:35 – 16:50	<b>Theme 3 Question Time</b>	Andy Steven – CSIRO
16:50 – 17:00	<b>Symposium Closing Remarks</b>	Tim Cooper – BHP Billiton & Andy Steven - CSIRO
17:00 – 19:00	<b>Canapes and Refreshments – Networking Session</b>	