

OCEANS OF DATA 2026



MONDAY
25 MAY 2026



8AM - 7PM
INCLUDING COFFEE/
TEA ON ARRIVAL
AND A SUNDOWNER



THE UNIVERSITY CLUB
OF WA, HACKETT DRIVE,
CRAWLEY, WESTERN
AUSTRALIA, 6009

8-8:30AM



Registration

Tea and coffee on arrival

8:30-10AM



Session 1

Welcome

Christophe Gaudin & Anna Nowak, University of Western Australia

Welcome to Country

Alton Walley

Opening address

Tony Haymet, Australia's Chief Scientist

The AI-Native Ocean: New Foundations for Ocean Science

Bob Currier, Texas A&M

Data Assimilation for Improved Swell Forecast

Marzieh Hajjarab Derkani, University of Western Australia

ARC Centre of Excellence for Our Future Oceans

Nicole Jones, University of Western Australia

10-10:30AM



Morning tea

10:30-12:30PM



Session 2

WAMSI Shared Environmental Analytics Facility (SEAF) operationalising scientific modelling to drive innovation and efficiency in understanding cumulative pressures in Cockburn Sound

Chris Gentle, Western Australian Biodiversity Science Institute

Fish on film: What a national marine dataset taught us about the power of quality control and collaboration

Tim Langois, University of Western Australia

The Sparse Ocean: How the uneven geography of maritime data is silently shaping and distorting every AI System we deploy at Sea

Dipali Kuchekar, Lloyd's Register

Seabed variability: do we know what we don't know?

Fraser Bransby, University of Western Australia

Insights from a Decade of Deep Learning at AIMS

Mathew Wyatt, Australian Institute of Marine Science



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12:30-1:30PM



Lunch

1:30-3:30PM



Session 3

Applying ocean data for decision-making and delivering benefit at multiple scales

Michelle Heupel, Integrated Marine Observing System

The power of satellite observations to constrain projections of ocean ecosystem responses in a changing climate

David Antoine, Curtin University

Real-time, operational digital twins created at the edge for decision-making in Marine, Ports and Logistics Environments

Chris Eastwell, Capability X

Ocean Temperature Forecasts for Coastal Decision Making

Onkar Jadhav, University of Western Australia

Bridging Theory and Practice: Benefits and Challenges of Academic-Industry Collaboration in Data Science

Edward Cripps, University of Western Australia

3:30-4PM



Afternoon tea

4-5:15PM



Session 4

ACCESS-OM3: Australia's global ocean-sea ice model

Andy Hogg, ACCESS-NRI

Statistical inversion of surface tracers to infer fine-scale near-surface ocean currents

Rick de Kreij, University of Western Australia

Closing address

Hugh Durrant-Whyte, New South Wales Chief Scientist & Engineer

Close

Michael Small, University of Western Australia

5:15-7PM



Refreshments & networking