

HYDROSPATIAL 2026: SHAPING THE FUTURE OF MARINE DISCOVERY PROGRAM

MONDAY 23 MARCH

13:00 - 17:00	Exhibitors bump in	Shed 6
13:00 - 17:00	Registration Opens	Shed 6
13:00 - 17:00	No official conference activities organized for local attractions see link below: https://consol.eventsair.com/hydrospatial-2026/vessel-tours-and-tourism	Various
17:00 - 19:00	Welcome Function	Amongst Trade, Shed 6

TUESDAY 24 MARCH

8:00 - 17:00	Trade Exhibition Opens	Shed 6
8:00 - 17:00	Registration	Shed 6
7:30 – 8:30	Women in Hydro Breakfast (Shed 6, please indicate interest on registration)	Shed 6
8:45 - 9:00	Mihi Whakatau/Welcome	
9:00 - 9:10	Welcome address and house keeping	
9:10 - 9:30	Keynote: Adam Greenland National Hydrographer of New Zealand, Toitu te Whenua/Land Information New Zealand	
9:30 – 10:00	Morning tea	Amongst Trade, Shed 6

MC of the day: Emily Tidey

Shaping the future of marine discovery session

10:00 – 10:20	Education: Key to 'Shaping the Future of Marine Discovery' (Takhou Law/David Crossman, IIC)
10:20 - 10:40	AHS NZ Women in Hydro Experience (Belen Jimenez Baron, AHS NZ Region)
10:40 - 10:50	AMC Cat A Update (Anne Kennedy, Ocean Infinity/University of Tasmania)
10:50 – 11:00	A time for renewal: Hydrography Governance and the Australasian Hydrographic Surveyors Certification Scheme (Rebecca Cusack)
11:00 – 11:10	AHS Update (Steve Duffield, AHS President)
11:10 – 11:30	Special Presentation – Award of AHSCP Certificates
11:30 – 12:00	Student Presentations

Visualizing Anchoring Pressure: Large Commercial Vessel Anchor Chain Scour Predictive Model (Edwin Brooks, University of Otago)

Using an autonomous profiler to resolve the drivers of temperature variability and marine heatwaves on the Campbell Plateau (Cassidy Collier, University of Otago)

USV use in the New Zealand setting – Honours Research Project (Grace Cinque, University of Otago, Discovery Marine Limited (DML) 2026 Scholarship Recipient)

Characterising the Chatham Rise to support dynamic marine protected areas (Tui Gunn, University of Otago)

12:00 – 12:20 **AHS Education Award Recipient Presentation: Meg Catley**

12:30 – 13:30 Lunch Amongst Trade, Shed 6

12:20 – 13:30 Kaharoa II/Hikitia Vessel Tours, Queens Wharf (book at registration, 30min per tour, 12:25-12:55/13:00-13:30, limited space, bring closed shoes)

Coastal Mapping & Bathymetry Session

13:35 - 13:55 3D Coastal Mapping – Improving Key Baseline Datasets for Aotearoa's Coastal Resilience (Stuart Caie, LINZ)

13:55 - 14:15 Bridging the Land–Sea Gap: Topo-Bathymetric LiDAR Mapping of New Zealand’s Coastline (Colin Cooper/Lara Heitmeyer/Jared Ritchey, NV5)

14:15 - 14:35 Enhancing Coastal Lidar Efficiency: Leveraging PlanetScope Water Quality Information for the LINZ South Island Topobathymetric Survey (Kyle Goodrich, Tcarta)

14:35 - 14:55 Bathymetric Lidar in New Zealand: Then and Now (Michael Christy/Daniel Kruiemel/Jeff Lilycrop, Woolpert)

14:55 - 15:15 3D Coastal Mapping – Data Assessment, Publication and Interpretation (Dr Alysha Johnson, LINZ)

15:15 - 15:35 Mind the Gap: 3D Coastal Mapping Infill Survey (Olli Rogers/Jimmy Van Der Pauw, DML)

15:35 – 16:05 Afternoon Tea Amongst Trade, Shed 6

16:05 – 16:25 The Ins and Outs of Joining Land and Sea (Jennifer Coppola, LINZ)

16:25 – 16:45 Leveraging Bathymetric Lidar and Sonar in a Coordinated Large-scale Multipurpose Mapping Campaign - Thunder Bay National Marine Sanctuary (Dave Bernstein/Colin Cooper/Nick Damm, Erin Cziraki, NV5)

16:45 – 17:00 **Q&A Time – Coastal Mapping Session speakers, Day 1 ends**

19:00 - 21:30 VIP Dinner (by invitation only)

WEDNESDAY 25 MARCH

8:00 - 17:00 Trade Exhibition & Registration Opens Shed 6

7:30 - 8:30 Early Career/Student Breakfast (Shed 6, please indicate interest on registration)

MC of the day: Andy Burrell

8:45 - 9:15 **Keynote: Commodore Darryn Mullins**
National Hydrographer of Australia, Australian Hydrographic Office

Collaborative Seabed Mapping Efforts Session (15min presentation, questions at end)

09:15 - 09:30	The general bathymetric chart of the oceans (GEBCO) strategy 2024-2030 (John Maschke/Geoffroy Lamarche)
09:30 - 09:45	Coordinating Australia's Seabed Mapping Future – AusSeabed and the Survey Coordination Tool (Ryan de Wet)
09:45 - 10:00	Resourcing Australia's Prosperity: A 35-Year Vision for Offshore Mapping (Pip Bricher)
10:00 - 10:15	Seabed 2030 and Advancing Ocean Mapping: Project Updates and Goals for 2026 (Sam Davidson, Earth Science New Zealand)
10:15 - 10:30	Q&A Time - Collaborative Seabed Mapping Efforts Session
10:30 - 10:50	Morning tea Amongst Trade, Shed 6
	S100 Session (15min presentation, questions at end of session)
10:50 - 11:05	S-100 and e-Navigation in Australia: A national coordination effort (Alvaro Sanchez, AHO)
11:05 - 11:20	S-100: Integral to Future Marine Discovery (David Crossman/Peter Jensen, IIC Technologies)
11:20 - 11:35	Towards S-100 for Australia: High resolution coastal model products (Roger Proctor/Alvaro Sanchez, TideTech Pty Ltd/AHO)
11:35 - 11:50	S-102 in the Port Environment: Technical Insights and Operational Impact (Annette Wilkinson/Dave Mundy, LINZ/Southern Hydrographic)
11:50 - 12:05	NZ perspective on S-100 (Verena Bosselmann-Borsos/Marvin Espino, Toitu te Whenua Land Information New Zealand)
12:05 - 12:20	Q&A Time – S100 Session
12:20 - 13:30	Lunch Amongst Trade, Shed 6
12:20 – 13:30	Kaharoa II/Hikitia Vessel Tours, Queens Wharf (book at registration, 30min per tour, 12:45-13:15/13:20-13:50, limited space, bring closed shoes)
	Challenges to Seabed Mapping Session (15min presentation, questions at end)
13:30 – 13:45	Your Secchi May Vary: An Exploration of Full-Waveform LiDAR Processing in the Topo-Bathymetric LiDAR Context (Eleanor Chandler-Temple, Reigl Australia)
13:45 – 14:00	Addressing the challenges of Topo/Bathy LiDAR in the south west Pacific (Andrew Waddington, Hexagon GCS)
14:00 - 14:15	Autonomous Underwater Vehicles in Hydrographic Surveys: Opportunities, Challenges, and Charting Accuracy (Tim Garvan/Rhys Davies, Ocean Infinity)
14:15 - 14:30	The Challenges of Conducting Airborne Lidar Bathymetric Surveys in a Changing Climate (Mick Hawkins, Fugro)
14:30 - 14:45	Multi-Source Coastal Bathymetry for Hydrosatial Resilience using Sentinel-2, ICESat-2 and SkyTEM in Northland, New Zealand (Salman Ashraf (presenter) Brooke Tozer, Gokul Anand, Tusar Sahoo (co-authors), Earth Sciences New Zealand)
14:45 – 15:00	Q&A Time – Challenges to Seabed Mapping Session
15:00 – 15:30	Afternoon Tea Amongst Trade, Shed 6
	Multibeam Surveys and Ports Session (15min presentation, questions at end of session)
15:30 - 15:45	Innovating Hydroacoustics: New Tools for Shaping the Future of Marine Discovery (Henry Johnson, Kongsberg)
15:45 – 16:00	Unfolding Vertical Structures: Enhancing Port survey workflows with 3D Coordinate Transformations (Dan Morash, Travis Hamilton, Teledyne CARIS)

16:00 - 16:15	Multi-frequency multibeam in Fiordland (Emily Tidey, University of Otago)	
16:15 - 16:30	Bathymetric and Terrestrial Survey Innovation for Ports and Harbors (Daniel Kruiemel, Woolpert)	
16:30 - 16:45	Update on HIPP in Fjord (Steve Duffield, Reach Subsea)	
16:45 - 17:00	Q&A Time – Multibeam Surveys and Ports Session	
19:00 - 22:30	Conference Dinner & Conference Dinner Speaker: Bill Day, Seaworks AHS awards to follow speaker	Foxglove Bar & Kitchen

THURSDAY 26 MARCH

8:00 - 15:15	Trade Exhibition & Registration Opens	Shed 6
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MC of the day: Brad Cooper

	Environmental Protection & Marine Reserves Session (15min presentation, questions at end of session)	
8:45 - 9:00	Scratching the Surface: Human Impacts Across NZ's Marine/Freshwater Environments (Sam Davidson (presenter), Sally Watson, Scott Nodder, Grace Frontin-Rollet, Susi Woelz, Tilmann Steinmetz, Joshu Mountjoy, Alan Orpin (co-authors), Earth Sciences New Zealand)	
9:00 - 9:15	Reshaping Reserves: Exploring the Gaps in Marine Reserve Boundaries Through a Past-Present-Future Approach (Georgia Pendred, DML)	
9:15 - 9:30	Beyond bathymetry: Diving into the world of multibeam water column data and seep detection (Alicia Maurice, Earth Sciences New Zealand)	
9:30 - 9:45	SmartCoast2 and Net Ecosystem Value: A Digital Twin Approach to Climate Resilience in the Torres Strait (Paul Seaton/Mick Hawkins, Fugro)	
9:45 - 10:00	Evaluating Seabed Pressure from Merchant Vessel Anchoring in New Zealand (Hendra Febriawan (presenter), Sally Watson, Marta Ribó, Sam Davidson, Simon Thrush, Jenny Hillman, Eva Leunissen, Geoffroy Lemarche (co-authors), Earth Sciences New Zealand)	
10:00 - 10:15	Q&A Time – Environmental Protection & Marine Reserves Session	
10:15 - 10:45	Morning tea	Amongst Trade, Shed 6
	Regional Scale Mapping Session (15min presentation, questions at end of session)	
10:45 - 11:00	High-Resolution Bathymetric Evidence of Bedforms Indicative of Caldera Water Exchange at Hunga Volcano (Hannah St Louis (presenter), Marta Ribó, Rebecca Carey, Christopher Yuleridge, Peter Harris, Vanessa Lucieer, Phil Van Den Bossche (co-authors) Auckland University of Technology)	
11:00 - 11:15	Jamming of GNSS in the European and Mid East marine environment and what we can expect in Australasia (Gary Chisholm)	
16:30 - 17:00	Shaping the Future of Marine Discovery Through Sustainable Hydrosatial Capability in the Pacific (Christopher Saili (presenter) Neville Benson (co-author), Kahuto Pacific)	
11:30 - 11:45	Discovery through collaboration – RV Investigator's contributions to mapping volcanoes in the Pacific Region (Christopher Yuleridge (presenter), Jill Brouwer, Amy Nau (co-authors), CSIRO)	

11:45 - 12:00	Q&A Time – Regional Scale Mapping Session	
12:00 - 13:00	Lunch	Amongst Trade, Shed 6
	Innovation Session (15min presentation, questions at end of session)	
13:00 - 13:15	Marine AI from a Hydrographer’s Perspective: Enhancing Watchkeeping and Wildlife Observations with Technology (Dillon Shields, DML)	
13:15 - 13:30	Building an Innovation Ecosystem for Shaping the future of Marine Discovery in the Asia-Pacific (Chris Kennedy, Cyan Renewables)	
13:30 - 13:45	The Fourth Dimension in Coastal Management: Monitoring Seafloor Dynamics from Space (Emily Twiggs, EOMAP – A Fugro Company)	
13:45 - 14:00	Bridging Sea Level and Vertical Land Motion: A Low-Cost GNSS Approach (Joe Eu Heng (presenter), Chien Zheng Yong, Robert Odolinski, Christina Hulbe (co-authors), University of Otago)	
14:00 - 14:15	The use of Unmanned Surface Vessels and AI to remove data bottlenecks (Richard Dowdeswell, Cory Brooks)	
14:15 - 14:30	Taking your pressure logger to new depths (Iain Francis, RBR)	
14:30 - 14:45	Q&A Time – Innovation Session	
14:45 - 15:00	Closing Remarks & Conference Wrap Up	
15:00 - 15:30	Afternoon Tea & End of Conference	Amongst Trade, Shed 6
15:30 - 16:45	Exhibitors bump out	
16:45	Contractor removes booths	