

# No Associated Node - Integrated Marine Observing System



## Research Projects

Movement and migration of carp in the Murray-Darling basin, Fisheries Victoria, Paul Brown, 2008-2011, Partner Institution(s): Invasive Animals CRC, NSW I&I

Habitat use and movement patterns of grey reef sharks in Palau, Australian Institute of Marine Science, Mark Meekan, Partner Institution(s): Micronesian Shark Foundation, Save Our Seas Foundation, University of Western Australia

CREON Thailand mooring, National Electronics and Computer Technology Centre, Scott Bainbridge, Mullica Jaroensutasinee, Piyawut Srichaikul, 2010-2011, Partner Institution(s): Australian Institute of Marine Science, Walailak University, Funding: National Electronics and Computer Technology Centre

Activity patterns of reef sharks assessed from accelerometer telemetry: contributing to understanding the potential impacts of tourist diving on shark, University of Tasmania, Jayson Semmens, 2010-2014, Funding: Winifred Violet Scott Charitable Trust

Collating existing survey data for Commonwealth marine waters, Jeffrey Dambacher, 2011-2015, Funding: National Environmental Research Program (NERP)

Australia/EU marine information infrastructure collaboration, University of Tasmania, Roger Proctor, 2011-2011, Partner Institution(s): AIMS, CSIRO, ICT, UTAS, AAD, Funding: Department of Industry, Innovation, Science, Research and Tertiary Education

Marine monitoring blueprint: meeting a monumental challenge, Paul Hedge, 2011-2015, Funding: National Environmental Research Program (NERP)

Australian Coastal and Ocean Modelling Observations (ACOMO) Workshop, Katy Hill, Andreas Schiller, Roger Proctor, Charitha Pattiaratchi, Moninya Roughan, 2012-2012

MARVL Information System (MARVLIS), University of Tasmania, Roger Proctor, 2012-2013, Funding: Australian National Data Service (ANDS)

Marine Virtual Laboratory (MARVL) early activity, University of Tasmania, Commonwealth Scientific Industrial Research Organisation, Roger Proctor, Peter Oke, 2012-2013, Funding: National eResearch Collaboration Tools and Resources (NeCTAR)

Satellite phytoplankton functional algorithm inter-comparison project, Hokkaido University, Daisuke Hirano, Partner Institution(s): <http://pft.ees.hokudai.ac.jp/satellite/index.shtml>

Inter-fleet comparisons of FLNTU outputs to reduce uncertainties in bio-optical data streams in a sustained observing system, Commonwealth Scientific Industrial Research Organisation, Tim Lynch, L Clementson, Robert Kay, Moninya Roughan, Vittorio Brando, M Doblin, Karen Evans, 2012-2014, Partner Institution(s): IMOS, Funding: CSIRO

Sustainable ecological observing, Commonwealth Scientific Industrial Research Organisation, Keith Hayes, D Smith, Peter Thompson, Russ Babcock, Anthony Richardson, W Rochester, 2012-2013, Funding: CSIRO

Great Australian Bight oceanography project, accuracy of remotely sensed chlorophyll products, South Australian Research and Development Institute, John Middleton

Marine Virtual Laboratory (MARVL) stage 2, University of Tasmania, Commonwealth Scientific Industrial Research Organisation, Roger Proctor, Peter Oke, 2013-2014, Partner Institution(s): AIMS, SARDI, UWA, UNSW, BOM, UTAS, CSIRO, Funding: National eResearch Collaboration Tools and Resources (NeCTAR)

Quantitative Quality Control (QC) procedures for Australia's National Reference Stations data – comparing semi-autonomous qualitative and quantitative systems to an expert oceanographer, Commonwealth Scientific Industrial Research Organisation, Elisabetta Morello, Guillaume Galibert, D Smith, Ken Ridgway, Ben Howell, Dirk Slawinski, G Timms, Karen Evans, Tim Lynch, 2013-2013, Partner Institution(s): IMOS, Funding: CSIRO

Remotely operated vehicle, University of Sydney, Stefan Williams, Oscar Pizarro, I Manchester, Jody Webster, Renata Ferrari, Funding: University of Sydney

Australian-waters EO phytoplankton-type products (AEsOP), Commonwealth Scientific Industrial Research Organisation, Nick Hardman-Mountford, 2013-2013, Funding: CSIRO

High quality benthic and demersal surveys from small form factor underwater robots, University of Sydney, Oscar Pizarro, Stefan Williams, Mathew Edmunds, 2013-2016, Partner Institution(s): Australian Marine Ecology Pty Ltd, Funding: ARC Linkage Project

IOCCG working group on atmospheric correction over turbid waters, algorithm inter-comparisons, University Littoral-Cote d'Opale, Cedric Jamet, 2014-2016, Partner Institution(s): <http://www.esa-oceancolour-cci.org/?q=project%20team>, Funding: IOCCG

Australian Coastal and Ocean Modelling and Observations workshop , University of Tasmania, Ana Lara-Lopez, Tim Moltmann, Andreas Schiller, Roger Proctor, Charitha Pattiaratchi, Emlyn Jones, Robin Robertson, Richard Brinkman, 2014-2014, Funding: Integrated Marine Observing System (IMOS)

ESA ocean colour climate change initiative: round robin algorithm comparison, Plymouth Marine Laboratories, Shubha Sathyendranath, 2014-2017, Partner Institution(s): <http://www.esa-oceancolour-cci.org/?q=project%20team>, Funding: ESA - European Space Agency

Marine Virtual Laboratory (MARVL) stage 3: improving access to shelf and coastal data and models through MARVL, University of Tasmania, Commonwealth Scientific Industrial Research Organisation, Roger Proctor, Peter Oke, 2014-2015, Partner Institution(s): IMOS, CSIRO, TPAC, Funding: National eResearch Collaboration Tools and Resources (NeCTAR)

Implications of current spatial management measures on AFMA ERAs for habitats, Roland Pitcher, Funding: Fisheries Research and Development Corporation, CSIRO

Key ecological features - global SST/SSH/ChlA, Commonwealth Scientific Industrial Research Organisation, Piers Dunstan, Funding: National Environmental Science Program (NESP)

Supervised autonomy for AUVs using limited bandwidth communication channels, Sydney Institute for Marine Science, Stefan Williams, Oscar Pizarro, 2015-2018, Partner Institution(s): Thales Australia Pty Ltd, Funding: ARC Linkage Project

A photometric imaging model for mobile underwater camera design, Sydney Institute for Marine Science, Stefan Williams, Oscar Pizarro, A Lumsdaine, Christopher Roman, Y Schechner, 2015-2017, Funding: ARC Discovery Project

Autonomous survey technologies for large scale ocean observing , Sydney Institute for Marine Science, Oscar Pizarro, Michael Jakuba, James Kinsey, Christopher Roman, Stefan Williams, Ryan Eustice, Thomas Bridge, Richard Camilli, 2015-2015, Funding: Schmidt Ocean Institute

Forum for Operational Oceanography (FOO), University of Tasmania, Jan Flynn, Tim Moltmann, Emma Sommerville, 2015-2015, Funding: Department of Industry and Science

Diurnal warming in ITF, Commonwealth Scientific Industrial Research Organisation, Susan Wijffels, Funding: CSIRO

Australian Marine and Antarctic DATA Archive (ARMADa), Commonwealth Scientific Industrial Research Organisation, University of Tasmania, Sebastien Mancini, Edward King, Funding: CSIRO, Integrated Marine Observing System (IMOS)

Marine Virtual Laboratory (MARVL) stage 4: engaging more widely, Commonwealth Scientific Industrial Research Organisation, University of Tasmania, Roger Proctor, Peter Oke, 2015-2016, Partner Institution(s): IMOS, CSIRO, TPAC, Funding: National eResearch Collaboration Tools and Resources (NeCTAR)

Marine Virtual Laboratory (MARVL) - increasing flexibility and utility, Commonwealth Scientific Industrial Research Organisation, University of Tasmania, Roger Proctor, Peter Oke, 2016-2017, Partner Institution(s): IMOS, CSIRO, TPAC, Funding: National eResearch Collaboration Tools and Resources (NeCTAR), Australian National Data Service (ANDS)

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## Postgraduate Research Projects

Doctor of Philosophy (PhD), Subantarctic zone nitrogen cycling, Princeton University; Peter DiFiore, 2006-2010, Supervisor(s): Daniel Sigman

Doctor of Philosophy (PhD), The role of aggregation in the control of particulate carbon export, Bremen University; Friederike Ebersbach, 2006-2010, Supervisor(s): Dieter Wolf-Gladrow, Tom Trull

Doctor of Philosophy (PhD), Population structure, spatial ecology and socio-economic value of reef sharks in Palau, Micronesia, University of Western Australia, Australian Institute of Marine Science; Gabriel Vianna, 2010-2013, Supervisor(s): Mark Meekan, Jessica Meeuwig, Gary Kendrick

Doctor of Philosophy (PhD), Abundance, distribution and conservation value of sharks in the Galapagos Marine Reserve, Commonwealth Scientific Industrial Research Organisation, University of Tasmania; Cesar Penaherrera-Palma, 2012-2015, Supervisor(s): Jayson Semmens, Stewart Frusher, Alastair Hobday, Alex Hearn

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## Book

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## Book Chapters

Williams, S, Pizarro, O, Mahon, I, Johnson-Robertson, M 2009, Simultaneous localisation and mapping and dense stereoscopic seafloor reconstruction using an AUV, in G Pappas, V Kumar, O Khatib (eds.), Experimental Robotics XI: The Eleventh International Symposium, Springer, Berlin, pp.407-416

Bruce, B, Bradford, RW 2012, Spatial dynamics and habitat preferences of juvenile white sharks in eastern Australia, in M Domeier (eds.), Global Perspectives on the Biology and Life History of the Great White Shark, CRC Press, Boca Raton

Bruce, B, Bradford, RW 2012, Habitat use and spatial dynamics of juvenile white sharks, Carcharodon carcharias, in eastern Australia, in M Domeier (eds.), Global Perspectives on the Biology and the Life History of the White Shark, CRC Press, Boca Raton, pp.225-253

Bradford, RW, Bruce, B, Hobday, A 2012, Identifying juvenile white shark behaviour from electronic tag data, in M Domeier (eds.), Global Perspectives on the Biology and the Life History of the White Shark, CRC Press, Boca Raton, pp.225-270

Woolsey, E, Byrne, M, Webster, J, Williams, S, Pizarro, O, Thornborough, K, Davies, P, Beaman, R, Bridge, T 2012, *Ophiopsila pantherina* beds on subaqueous dunes off the Great Barrier Reef, in C Johnson (eds.), *Echinoderms in a Changing World*, Taylor & Francis, pp.175-179

Momigliano, P, Harcourt, R 2014, The science-law disconnect, in EJ Techera, N Klein (eds.), *Sharks: Conservation, Governance and Management*, pp.89-106

Bewley, M, Nourani-Vatani, N, Rao, D, Douillard, B, Pizarro, O, Williams, S 2015, Hierarchical Classification in AUV Imagery, in B Siciliano, O Khatib (eds.), *Springer Tracts in Advanced Robotics*, Vol. 105, pp.3-16

Willis, Z 2015, National Ocean Observing Systems in a Global Context, in Y Liu, H Kerkering, R Weisberg (eds.), *Coastal Ocean Observing Systems*, Elsevier, pp.11-25

Zhang, D, O'Connor, NE, Regan, F 2016, Current and Future Information and Communication Technology (ICT) Trends in Coastal and Marine Management, in D Bartlett, L Celliers (eds.), *Geoinformatics for Marine and Coastal Management*, CRC Press

**Book Chapters 9**

## Community White Papers / Technical Papers

Schiller, A, Meyers, G, Smith, NR; 2009, Observing systems: taming Australia's last frontier, Comments: doi: 10.1175/2008BAMS2610.1

Seim, H, Dahlin, H, Meyers, G, Shuford, R, Proctor, R; 2010, Development of delivery of services from ocean observing systems - an opportunity to promote common approaches for a Global Ocean Observing System, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 1), Venice, Italy, September 2009, ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.77

de La Beaujardiere, J, Beegle-Krause, C, Bermudez, L, Hankin, S, Hazard, L, Howlet, E, Le, S, Proctor, R, Signell, R, Snowden, D, Thomas, J; 2010, Ocean and coastal data management, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 1), Venice, Italy, September 2009, ESA Publication WPP-306, doi:10.5270/OceanObs09.cwp.22

Alexander, C, Thomas, J, Benedict, K, Johnson, W, Morrison, R, Andrechik, J, Stabenau, E, Gierach, M, Casey, K, Signell, R, Norris, H, Proctor, R, Kirby, K, Snowden, D, de La Beaujardiere, J, Howlet, E, Uczekaj, S, Narasimhan, K, Key, E, Trice, M, Fredericks, J ; 2013, IOOS summit report, Priorities for IOOS Data Management and Communications

Moltmann, T, Llewellyn, L, Exon, N, Turner, I, et. al.; 2014, National marine science plan infrastructure theme white paper - Research vessels, experimental facilities, observing systems and e-Research

Hoenner, X, Harcourt, R; 2015, Metadata template for animal archival and satellite tags

Bittig, H, et, al.; 2015, SCOR WG 142: Quality Control Procedures for Oxygen and Other Biogeochemical Sensors on Floats and Gliders. Recommendation for oxygen measurements from Argo floats, implementation of in-air-measurement routine to assure highest long-term accuracy, doi:10.13155/45917

Harcourt, R, McMahon, C; 2016, Environmental authorisation report, territories environment and treaties section, Australian Antarctic Division

Griffin, C, et, al.; 2017, Report on first methodological improvements on retrieval algorithms and HF radar network design, Comments: JERICO-NEXT WP3, D3.3

**Community White Papers/Technical Papers 9**

## Conference Proceedings

Proctor, R 2008, The Australian Integrated Marine Observing System, Proceedings of the American Geophysical Union 2008 Fall Meeting, San Francisco, San Francisco, Presenter: Roger Proctor

Lynch, T, McLaughlin, D, Hughes, D, Cherry, D, Critchley, G, Allen, S, Pender, L, Thompson, P, Richardson, A, Coman, F, Steinberg, C, Terhell, D, Roughan, M, Seuront, L, McLean, CM, Brinkman, GW, Meyers, G 2008, A national reference station infrastructure for Australia - using telemetry and central processing to report multi-disciplinary data streams for monitoring marine ecosystem response to climate change, Proceedings of Oceans 2008 IEEE, Quebec, Canada, September, 2008, Quebec City

Allen, S 2009, The Australian Integrated Marine Observing System (IMOS) - from initiation to operation, Proceedings of Oceans 2009 MTS/IEEE, Biloxi, USA, October, 2009, Biloxi, Presenter: Simon Allen

Heron, M, Prytz, A 2009, HF radar role in an integrated ocean observing system, Proceedings of Oceans 2009 MTS/IEEE, Bremen, Germany, May, 2009, Bremen

Dushaw, BD, Au, W, Beszczynska-Muller, A, Brainard, RE, Cornuelle, B, Duda, T, Dzieciuch, M, Forbes, A, Freitag, L, Gascard, J-C, Gavrilov, AS, Gould, J, Howe, B, Jayne, SR, Johannessen, OM, Lynch, JF, Martin, D, Menemenlis, D, Mikhalevsky, P, Miller, JH, Moore, SE, Munk, W, Nystuen, J, Odom, RI, Orcutt, J, Rossby, T, Sagen, H, Sandven, S, Simmen, J, Skarsoulis, E, Southall, B, Stafford, K, Stephen, R, Vigness-Raposa, K, Vinogradov, S, Wong, KB, Worcester, P, Idquo, A 2010, A global ocean acoustic observing network, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 2), Venice, Italy, September 2009, ESA Publication WPP-306, Venice

Atwater, DP, Heron, M 2010, Error estimates for HF ocean radar surface currents, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Heron, M, Marrone, P 2010, Wind direction manifestation on HF ocean radar echoes, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Malthus, T, Brando, V, Jones, S, Held, A, Dekker, AG 2010, Australian activities in calibration and validation for Hyperspectral sensors, Proceedings of Hyperspectral Workshop 2010, Frascati

Moltmann, T, Proctor, R, Hill, K, Wiltshire, M 2010, The Integrated Marine Observing System - delivering data-streams to support marine research and applications, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

O'Dor, R, Dagorn, L, Holland, K, Jonsen, I, Payne, J, Sauer, W, Semmens, J, Stokesbury, MJW, Smith, P, Whoriskey, F 2010, The Ocean Tracking Network, Proceedings of OceanObs'09: Sustained Ocean Observations and Information for Society (Vol 2), Venice, Italy, September 2009, ESA Publication WPP-306, Venice, Presenter: R O'Dor

Hughes, D, Lynch, T 2010, Update on Australia's National Reference Stations, Proceedings of Oceans 2010 IEEE, Seattle, USA, September, 2010, Seattle

Lynch, T, McLaughlin, D, Hughes, D, Darby, I, de Boer, P, Marouchos, A 2010, Overview of CSIRO oceanographic moorings, Proceedings of Oceans 2010 IEEE, Seattle, USA, September, 2010, Seattle

Hughes, D, Lynch, T, Pender, L, Sherlock, M 2010, A Robust Satellite telemetry system for IMOS moorings, Proceedings of Oceans 2010 IEEE, Sydney, Australia, May, 2010, Sydney

Morello, E, Lynch, T, Slawinski, D, Howe, B, Hughes, D, Timms, GP 2011, Quantitative Quality Control (QC) procedures for the Australian National Reference Stations: sensor data, Proceedings of Oceans 2011 MTS/IEEE, Kona, USA, September, 2011, Kona

Allen, S 2011, Australia's Integrated Marine Observing System observation methods and technology review, Proceedings of Oceans 2011 MTS/IEEE, Kona, USA, September, 2011, Kona, Presenter: Simon Allen

Lee, R, Mancini, S, Martinez, G, Lindsay, MCM 2011, Resolving environmental dynamics in Port Phillip Bay, using high repeat sampling off the Spirit of Tasmania 1, Proceedings of Coasts and Ports 2011: 20th Australasian Coastal and Ocean Engineering Conference and the 13th Australasian Port and Harbour Conference, Perth, Presenter: Randall Lee

Reed, G, Proctor, R, Ebeling, W, Gorringer, P 2011, Australia's Interface to Open Access Marine Data, IODE 50th Anniversary International Conference Proceedings, Liege, Presenter: Greg Reed

Moltmann, T 2011, Ocean observing systems a national perspective from Australia, Proceedings of GEOSS Workshop XLII - Oceans, 2011, Kona

Steinberg, D, Friedman, A, Pizarro, O, Williams, S 2011, A Bayesian nonparametric approach to clustering data from underwater robotic surveys, Proceedings of the 15th International Symposium on Robotics Research (ISRR) 2011, Flagstaff

Heron, M, Prytz, A 2011, The data archive for the phased array HF radars in the Australian Coastal Ocean Radar Network, Proceedings of Oceans 2011 OES/IEEE, Santander, Spain, June, 2011, Santander

Bryson, M, Johnson-Robertson, M, Pizarro, O, Williams, S 2012, Colour-consistent structure-from-motion models using underwater imagery, Proceedings of the 2012 Robotics: science and systems conference, Sydney, Presenter: Mitchell Bryson

Bender, A, Williams, S, Pizarro, O 2012, Classification with probabilistic targets, Proceedings of Intelligent Robots and Systems (IROS) 2012 IEEE/RJS International Conference, Vila Moura, Presenter: Asher Bender

Bewley, M, Douillard, B, Nourani-Vatani, N, Friedman, A, Pizarro, O, Williams, S 2012, Automated species detection: an experimental approach to help detection from sea-floor AUV images, Proceedings of the 2012 Australasian Conference on Robotics and Automation, Wellington, Presenter: Michael Bewley

Warren, M, Corke, P, Pizarro, O, Williams, S, Upcroft, B 2012, Visual sea-floor mapping from low overlap imagery using bi-objective bundle adjustment and constrained motion, Proceedings of the 2012 Australasian Conference on Robotics and Automation, Wellington, Presenter: M Warren

Bongiorno, D, Fairly, A, Bryson, M, Williams, S 2013, Automated spectrometer/RGB camera spatial calibration, Proceedings of Geoscience and Remote Sensing Symposium (IGARSS) 2013 IEEE International, Melbourne, Presenter: Daniel Bongiorno

Dansereau, D, Pizarro, O, Williams, S 2013, Decoding, calibration and rectification for lenselet-based plenoptic cameras, Proceedings of Computer Vision and Pattern Recognition (CVPR) 2013 IEEE Conference, Portland, Presenter: Donald Dansereau

Bongiorno, D, Bryson, M, Dansereau, D, Williams, S 2013, Spectral characterisation of COTS RGB cameras using a linear variable edge filter, Proceedings of the 2013 SPIE Electronic Imaging Conference, Burlingham, Presenter: Daniel Bongiorno

Proctor, R, Finney, K, Mancini, S 2013, Vocabulary enhancements for the Australian Ocean Data Network, Bulletin of geophysics and theoretical application - An International Journal of Earth Sciences, Lucca, Presenter: Sebastien Mancini

Glaves, HM, Miller, SP, Proctor, R, Schaap, D 2013, Ocean Data Interoperability Platform (ODIP): developing a common framework for marine data management on a global scale, Bulletin of geophysics and theoretical application - An International Journal of Earth Sciences, Lucca, Presenter: Helen Glaves

Bryson, M, Johnson-Robertson, M, Pizarro, O, Williams, S 2013, Automated registration for multi-year robotic surveys of marine benthic habitats, Proceedings of Intelligent Robots and Systems (IROS) 2013 IEEE/RSJ International Conference, Taipei, Presenter: Mitchell Bryson

Atwater, DP, Mantovanelli, A, Prytz, A, Rehder, S, Wyatt, LR 2013, Operational requirements for oceanographic ground-wave HF radars: experiences from the Australian Coastal Ocean Radar Network, Proceedings of the 2013 International Conference on Radar, Adelaide, Presenter: Dan Atwater

Moltmann, T 2013, The Integrated Marine Observing System: observations to support research and applications in the coastal zone, Proceedings of Coasts and Ports 2013: 21st Australasian Coastal and Ocean Engineering Conference and the 14th Australasian Port and Harbour Conference, Sydney, Presenter: Tim Moltmann

Steinberg, D, Pizarro, O, Williams, S 2013, Synergistic clustering of image and segment descriptors for unsupervised scene understanding, Proceedings of Computer Vision (ICCV) 2013 IEEE International Conference, Sydney, Presenter: Daniel Steinberg

Dansereau, D, Bongiorno, D, Pizarro, O, Williams, S 2013, Light field image denoising using a linear 4D frequency-hyperfan all-in-focus filter, Proceedings of the 2013 SPIE Electronic Imaging Conference, Burlingham, Presenter: Donald Dansereau

Wyatt, LR, Atwater, DP, Mantovanelli, A, Prytz, A, Rehder, S 2013, The Australian Coastal Ocean Radar Network: data availability and quality, Proceedings of the 14th International Radar Symposium 2013, Dresden, Presenter: Lucy Wyatt

Bewley, M, Nourani-Vatani, N, Rao, D, Douillard, B, Pizarro, O, Williams, S 2013, Hierarchical classification in AUV imagery, Proceedings of Field and Service Robotics, Results of the 9th International Conference, Brisbane, Presenter: Michael Bewley

Heron, M, Atwater, DP 2014, QA, QC and accuracy for HF ocean radars, Proceedings of Oceans 2014 MTS/IEEE, Taipei, Taiwan, April, 2014, Taipei, Presenter: Mal Heron

Rao, D, Nourani-Vatani, N, Douillard, B, Williams, S, Pizarro, O 2014, Multimodal learning from visual and bathymetric data, Proceedings of the IEEE 2014 International Conference on Robotics and Automation Hong Kong, China, May, 2014, Hong Kong, Presenter: Dushyant Rao

Wyatt, LR 2014, Wave measurements from the Australian Coastal Ocean Radar Network, Proceedings of Oceans 2014 MTS/IEEE, Taipei, Taiwan, April, 2014, Taipei, Presenter: Lucy Wyatt

Nourani-Vatani, N, Williams, S 2015, Structured output prediction with hierarchical loss functions for seafloor imagery taxonomic categorization, Proceedings of the 7th Iberian Conference on Pattern Recognition and Image Analysis, Santiago de compostela

Middleditch, A, Wyatt, LR, James, C 2015, Wave measurements from the Australian Coastal Ocean Radar Network paper, Proceedings of Coasts and Ports 2015: 22nd Australasian Coastal and Ocean Engineering Conference and the 15th Australasian Port and Harbour Conference, Auckland, Presenter: Andrew Middleditch

Marzloff, M, Barrett, N, Holbrook, N, Oliver, N, James, L 2015, Distribution models of temperate habitat-forming species on the continental shelf in eastern Australia: setting the baseline to monitor and predict future changes, Proceedings of MODSIM2015, Brisbane, Presenter: Martin Marzloff

Szekely, T, et, al. 2017, Comparison of CORA and EN4 in-situ datasets validation methods, toward a better quality merged dataset, Proceedings of the EGU General Assembly Conference 2017, Vienna

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## In Press

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## Journals

De Mey, P, Craig, P, Davidson, F, Edwards, CA, Ishikawa, Y, Kindle, JC, Proctor, R, Thompson, KR, Zhu, J, et, al. 2009, Applications in coastal modelling and forecasting, *Oceanography*, vol. 22, no. 3, pp. 198-205

Fujioka, K, Kawabe, R, Hobday, A, Takao, Y, Miyashita, K, Sakai, O, Itoh, T 2010, Spatial and temporal variation in the distribution of juvenile southern blue fin tuna *Thunnus maccoyii*: implication for precise estimation of recruitment abundance indices, *Fisheries Science*, vol. 76, no. 3, pp. 403-410, doi:10.1007/s12562-010-0228-4

Proctor, R, Roberts, K, Ward, BJ 2010, A data delivery system for IMOS, the Australian Integrated Marine Observing System, *Advances in Geosciences*, vol. 28, pp. 11-16, doi:10.5194/adgeo-28-11-2010

Hill, K, Moltmann, T, Proctor, R, Allen, S 2010, The Australian Integrated Marine Observing System: delivering data streams to address national and international research priorities, *Marine Technology Society Journal*, vol. 44, no. 6, pp. 65-72, doi:10.4031/MTSJ.44.6.13

Woodruff, SD, Worley, SJ, et, al. 2011, ICOADS Release 2.5: Extensions and enhancements to the surface marine meteorological archive, *International Journal of Climatology*, vol. 31, no. 7, pp. 951-967, doi:10.1002/joc.2103

- Welch, D, Melnychuk, MC, Payne, J, Rechisky, EL, Porter, AD, Jackson, GD, Ward, BJ, Vincent, S, Wood, CC 2011, In situ measurement of coastal ocean movements and survival of juvenile Pacific Salmon, *Proceedings of the National Academy of Sciences of the United States of America*, vol. 108, pp. 8708-8713
- Lough, JM, Hobday, A 2011, Observed climate change in Australian marine and freshwater environments, *Marine and Freshwater Research*, vol. 62, no. 9, pp. 984-999, doi:10.1071/MF10272
- Zhang, F, Wang, XH 2011, Estimating the potential benefits of the Integrated Marine Observing System on Australian commercial fisheries, *Australian Journal of Maritime and Ocean Affairs*, vol. 3, no. 4, pp. 130-135
- Hughes, D, Lynch, T 2011, Technical development of the Australian national reference stations, *Sea Technology*
- Babcock, R, Egli, D, Attwood, C 2012, Incorporating behavioural variation in individual-based simulation models of marine reserve effectiveness, *Environmental Conservation*, vol. 39, no. 3, doi:10.1017/S0376892912000148
- Friedman, A, Pizarro, O, Williams, S, Johnson-Robertson, M 2012, Multi-scale measures of rugosity, slope and aspect from benthic stereo image reconstructions, *PLoS One*, vol. 7, no. 12, doi:10.1371/journal.pone.0050440
- Lee, R, Black, KP, Bosserel, C, Greer, D 2012, Present and future prolonged drought impacts on a large temperate embayment: Port Phillip Bay, Australia, *Ocean Dynamics*, vol. 62, no. 6, pp. 907-922, doi:10.1007/s10236-012-0538-4
- Holt, J, Hughes, S, Hopkins, J, Wakelin, S, Holliday, P, Dye, S, Gonzalez-Pola, C, Saetre-Hjollo, S, Mork, KA, Nolan, G, Proctor, R, Read, J, Shammon, T, Sherwin, T, Smyth, T, Tattersall, G, Ward, B, Wiltshire, KH 2012, Multi-decadal variability and trends in the temperature of the northwest European continental shelf: a model-data synthesis, *Progress in Oceanography*, vol. 106, pp. 96-117, doi:10.1016/j.pocean.2012.08.001
- Richardson, A, Brown, CJ, Brander, K, Bruno, JF, Buckley, L, Burrows, MT, Duarte, CM, Halpern, BS, Hoegh-Guldberg, O, Holding, J, Kappel, CV, Kiessling, W, Moore, PJ, O'Connor, MI, Pandolfi, JM, Parmesan, C, Schoeman, DS, Schwing, F, Sydeman, WJ, Poloczanska, ES 2012, Climate Change and marine life, *Biology Letters*, vol. 8, no. 6, pp. 907-909, doi:10.1098/rsbl.2012.0530
- Bestley, S, Jonsen, I, Hindell, MA, Guinet, C, Charrassin, J-B 2012, Integrative modelling of animal movement: incorporating in situ habitat and behavioural information for a migratory marine predator, *Proceedings of the Royal Society Series B*, vol. 280, no. 1750, doi:10.1098/rspb.2012.2262
- Douillard, B, Nourani-Vatani, N, Johnson-Robertson, M, Pizarro, O, Williams, S, Roman, CN, Vaughn, I 2013, Frequency-based underwater terrain segmentation, *Autonomous Robots*, vol. 35, no. 4, pp. 255-269, doi:10.1007/S10514-013-9353-0
- Lee, S, Heron, M 2013, Development of oceanographic radar networks, data management and applications in Asia and Oceania countries, *Ocean Science*, vol. 48, no. 1, pp. 67-68, doi:10.1007/s12601-013-0006-1
- Le Quere, C, Peters, GP, Andres, RJ, Andrew, RM, Boden, T, Ciais, P, et, al. 2013, Global carbon budget 2013, *Earth System Science Data*, vol. 6, pp. 689-760, doi:10.5194/essdd-6-689-2013
- Wyatt, LR, Jaffres, JBD, Heron, M 2013, Spatial averaging of HF Radar data for wave measurement applications, *Journal of Atmospheric and Oceanic Technology*, vol. 30, no. 9, pp. 2216-2224, doi:10.1175/JTECH-D-12-00206.1
- Sabine, CL, Hankin, S, Koyuk, H, Bakker, DCE, Pfeil, B, Olsen, A, Metzl, N, et, al. 2013, Surface Ocean CO2 Atlas (SOCAT) gridded data products, *Earth System Science Data*, vol. 5, pp. 145-153, doi:10.5194/essd-5-145-2013
- Pfeil, B, Olsen, A, Bakker, DCE, Hankin, S, Koyuk, H, et, al. 2013, A uniform, quality controlled Surface Ocean CO2 Atlas (SOCAT), *Earth System Science Data*, vol. 5, pp. 125-143, doi:10.5194/essd-5-125-2013
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## Thesis

DiFiore, PJ 2010, Nitrate isotope dynamics in the Southern Ocean, Doctor of Philosophy (PhD), Princeton University, Princeton

Ebersbach, F 2011, Flux and modification of sinking particles: three field studies in the Southern Ocean, Doctor of Philosophy (PhD), Bremen University, Bremen

Vianna, G 2014, Population structure, spatial ecology and socio-economic value of reef sharks in Palau, Micronesia, University of Western Australia, Doctor of Philosophy (PhD), University of Western Australia, Perth

## Data Product

The JellyFish Database Initiative, (1969 - 2010) Database. <http://condonlab.weebly.com/jedi.html>

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**Data Product Count 2**

## Public Seminars

Allen, S; The Australian National Mooring Network; University of Western Australia Seminar, 23/02/2007 - 23/02/2007, University of Western Australia, Perth, Presenter(s): Simon Allen

Huveneers, C; Australian Acoustic Tracking and Monitoring System (AATAMS); Vemco Presentation, 06/10/2007 - 07/10/2007, Vemco, Halifax, Presenter(s): Charlie Huveneers

Huveneers, C; Australian Acoustic Tracking and Monitoring System (AATAMS); Department of Primary Industries Victoria Presentation, 19/10/2007 - 19/10/2007, Department of Primary Industries Victoria, Melbourne, Presenter(s): Charlie Huveneers

Harcourt, R, Huveneers, C; The Australian Acoustic Tagging and Monitoring System (AATAMS); AIMS Seminar, 23/06/2008 - 23/06/2008, Australian Institute of Marine Science, Darwin

Huveneers, C, Harcourt, R; The Australian Acoustic Tagging and Monitoring System (AATAMS); James Cook University Departmental Seminar, 26/06/2008 - 26/06/2008, James Cook University, Townsville

Bruce, B; De-mistifying great white sharks; Great Lakes Marine Discovery Series 2009, 17/06/2009 - 17/06/2009, Forster, Presenter(s): Bary Bruce

Bruce, B; Movement of white sharks around Australian waters; Port Stephen's Discovery Series Seminar, 18/06/2009 - 18/06/2009, Port Stephens, Presenter(s): Bary Bruce

Proctor, R; Marine observations and models, what can they do for you?; Annual Instructors Conference YA/RYA, 17/07/2009 - 17/07/2009, Brisbane, Presenter(s): Roger Proctor

Bruce, B; De-mistifying great white sharks; Great Lakes Marine Discovery Series 2010 , 03/05/2010 - 03/05/2010, Forster, Presenter(s): Bary Bruce

Lynch, T; Functions of the Australian National Reference Stations; CSIRO Marine and Atmospheric Research Seminar, 30/07/2010 - 30/07/2010, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Tim Lynch

Lynch, T; Functions of the Australian National Reference Stations; CSIRO Marine and Atmospheric Research Seminar, 04/08/2010 - 04/08/2010, Commonwealth Scientific Industrial Research Organisation, Brisbane, Presenter(s): Tim Lynch

Lynch, T; Functions the Australian National Reference Stations; CSIRO Marine and Atmospheric Research Seminar, 08/09/2010 - 08/09/2010, Commonwealth Scientific Industrial Research Organisation, Perth, Presenter(s): Tim Lynch

Lynch, T; Overview of CSIRO moorings; CSIRO Marine and Atmospheric Research Seminar, 26/11/2010 - 26/11/2010, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Tim Lynch

Ebeling, W, Gorringer, P; Australia's marine research on the map - literally!; AODN Seminar, 06/05/2011 - 06/05/2011, Canberra, Presenter(s): Wiebke Ebeling, Patrick Gorringer

Rainville, L; Observations of internal waves from Autonomous Gliders - studies from Luzon Strait and from Tasmania; University of Western Australia Oceans Institute Seminar, 05/09/2012 - 05/09/2012, University of Western Australia, Perth, Presenter(s): Luc Rainville

Galibert, G; IMOS; Ifremer Seminar, 04/03/2013 - 04/03/2013, Brest, Presenter(s): Guillaume Galibert

Semmens, J; Where, when, how and why: Using acoustic telemetry to understand marine animal movement, behaviour and physiology; The Laboratory, Citadel Hill Public Seminar, 08/03/2013 - 08/03/2013, Plymouth, Presenter(s): Jayson Semmens

Cadiou, G; Drivers of temporal and spatial movements patterns in luderick *Girella tricuspidata* in NSW, Australia; Royal Zoological Society of NSW Seminar, 30/04/2013 - 30/04/2013, University of New South Wales, Sydney, Presenter(s): Gwenael Cadiou

Williams, S; High-resolution benthic survey using Autonomous Underwater Vehicles; Inspiring Australia Seminar, 06/05/2013 - 06/05/2013, Sydney, Presenter(s): Stefan Williams

Heron, M; Coastal Ocean Radars: Results and Applications; University of Victoria Public Seminar, 14/05/2013 - 14/05/2013, Victoria, Presenter(s): Mal Heron

Moltmann, T; An overview of IMOS and eResearch infrastructure; IMAS Research Showcase, 16/07/2013 - 17/07/2013, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Tim Moltmann

Moltmann, T; Overview of IMOS capability; DSTO Maritime Division Visit, 04/09/2013 - 04/09/2013, Melbourne, Presenter(s): Tim Moltmann

Moltmann, T, Willis, Z; The US Integrated Ocean Observing System (IOOS) and Australia's Integrated Marine Observing System (IMOS): what can we learn from our experiences?; SIMS Public Seminar, 19/11/2013 - 19/11/2013, Sydney Institute for Marine Science, Sydney, Presenter(s): Tim Moltmann, Zdenka Willis

Moltmann, T, Willis, Z; The US Integrated Ocean Observing System (IOOS) and Australia's Integrated Marine Observing System (IMOS): what can we learn from our experiences?; CSIRO Seminar Series, 21/11/2013 - 21/11/2013, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Tim Moltmann, Zdenka Willis

Proctor, R; The Australian Ocean Data Network a resource for all Australians; UWA Seminar, 22/11/2013 - 22/11/2013, University of Western Australia, Perth, Presenter(s): Roger Proctor

Huveneers, C; The truth about sharks: how can science help manage shark-related issues; Biology Society of South Australia, 06/03/2014 - 06/03/2014, University of Adelaide, Adelaide, Presenter(s): Charlie Huveneers

Wyatt, LR; The Australian Coastal Ocean Radar Network, ACORN; Public Seminars at Wuhan University, 14/04/2014 - 15/04/2014, Wuhan University, Wuhan, Presenter(s): Lucy Wyatt

Wyatt, LR; Wave measurement with HF radar; Public Seminars at Wuhan University, 14/04/2014 - 15/04/2014, Wuhan University, Wuhan, Presenter(s): Lucy Wyatt

Huveneers, C; The truth about sharks: more than meet the eyes; Junior Field Naturalist of South Australia, 01/05/2014 - 01/05/2014, Adelaide, Presenter(s): Charlie Huveneers

Proctor, R; Australian Integrated Marine Observing System: improving users access to data; ISMAR CNR, 08/05/2014 - 09/05/2014, Venice, Presenter(s): Roger Proctor

The truth about sharks: more than meet the eyes; Rodney Fox Shark Expeditions Science Talk, 10/05/2014 - 10/05/2014, Neptune Islands, Presenter(s): Charlie Huveneers

Harcourt, R; Conservation of wildlife: optimising effective and ethical practice; University of Technology (UTS) Public Seminar, 22/05/2014 - 22/05/2014, University of Technology Sydney, Sydney, Presenter(s): Rob Harcourt

Proctor, R; Oceans of Data: the Australian Integrated Marine Observing System; Tasmanian Field Naturalists Club, 03/07/2014 - 03/07/2014, University of Tasmania, Hobart, Presenter(s): Roger Proctor

Proctor, R; The Marine Virtual Laboratory; DASH - Data Sharing, 10/10/2014 - 10/10/2014, Hobart, Presenter(s): Roger Proctor

Pizarro, O; Advanced coral reef mapping and monitoring with divers and robotic platforms; Sesoko Station Seminar, 28/07/2015 - 28/07/2015, Okinawa, Presenter(s): Oscar Pizarro

Proctor, R; The Australian Ocean Data Network: how to download the ocean; Tasmanian Surveying & Spatial Sciences Institute Open Data Seminar, 03/12/2015 - 03/12/2015, University of Tasmania, Hobart, Presenter(s): Roger Proctor

Moltmann, T; Sustained ocean observing - why it matters to marine biodiversity in WA; DPAW Public Seminar, 28/01/2016 - 28/01/2016, Perth, Presenter(s): Tim Moltmann

Moltmann, T; Global ocean observing - an Australian perspective; University of Southern Mississippi Public Seminar, 19/02/2016 - 19/02/2016, Hattiesburg, Presenter(s): Tim Moltmann

Moltmann, T, Proctor, R; Global ocean observing - an Australian perspective; Public Seminar at University of Southern Mississippi Stennis Space Centre , 19/02/2016 - 19/02/2016, University of Southern Mississippi, Louisiana, Presenter(s): Tim Moltmann, Roger Proctor

Proctor, R; The IMOS example in implementing basin scale in situ Ocean Observing Systems (OOS): enhancing the efficiency and overall information content of integrated OOS for the Atlantic EU project AtlantOS), the Southern Ocean (SOOS, OOI, SOCCOM),; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Roger Proctor

Proctor, R; Australia's Integrated Marine Observing System - towards model-observation integration; Public Seminar at Naval Research Laboratory, Stennis Space Centre, 29/02/2016 - 29/02/2016, Louisiana, Presenter(s): Roger Proctor

Moltmann, T; Australia's Integrated Marine Observing System; Australian Embassy in Paris, Public Lecture, 21/03/2016 - 21/03/2016, Paris, Presenter(s): Tim Moltmann

Lara-Lopez, A; The global role of Australia's Integrated Marine Observing System; Master's Lecture Series at IMAS, 30/03/2016 - 30/03/2016, Hobart, Presenter(s): Ana Lara-Lopez

Proctor, R; Observing the ocean - where the fish live; Australian Fisheries Management Authority Seminar, 08/02/2017 - 08/02/2017, Canberra, Presenter(s): Roger Proctor

Ferrari, R; Assessing coral reef habitat structural complexity in a warming ocean; Marine Spatial Ecology Lab Seminar, University of Queensland, Brisbane, Presenter(s): Renata Ferrari

Harcourt, R; Ocean knowledge sealed up; The Advertiser, Sydney, Presenter(s): Rob Harcourt

Harcourt, R; Seals as scientists; Mornings with Tim Holt, ABC South East NSW, Sydney, Presenter(s): Rob Harcourt

Heron, M; The Australian Coastal Ocean Radar Network; School of the Environment and Earth Sciences Seminar, James Cook University, Townsville, Presenter(s): Mal Heron

**Public Seminar 48**

## Conferences, Symposia or Workshops

### Conference Oral Presentation

Johnson, C; The Australian Ocean Data Network: The one-stop shop for Australian marine data and data products; SEE Grid 3 Conference, 30/11/2006 - 01/12/2006, Commonwealth Scientific Industrial Research Organisation, Canberra, Presenter(s): Craig Johnson

Johnson, C; The Australian Ocean Data Network: Building the e-Research marine science information infrastructure; eResearch Australasia, 26/06/2007 - 28/06/2007, Brisbane, Presenter(s): Craig Johnson

Johnson, C, Roberts, K; The Australian Ocean Data Network: The one-stop shop for Australian Marine Science Data; Australian Marine Science Association Conference, 09/07/2007 - 13/07/2007, University of Melbourne, Melbourne, Presenter(s): Craig Johnson

Johnson, C; eResearch Collaboration across the Pacific: Marine Systems and Australian Marine Science Data; APAC 07, 08/10/2007 - 12/10/2007, Perth, Presenter(s): Craig Johnson

Proctor, R, Roberts, K, Magierowski, R, Johnson, C; eMarine Information Infrastructure, vision, progress and plans; Australian Marine Science Association Conference, 06/07/2008 - 09/07/2008, Christchurch, Presenter(s): Roger Proctor

Proctor, R; Developments in operational oceanography in Europe and Australia; Metocean Conference, 15/09/2008 - 17/09/2008, Taipei, Presenter(s): Roger Proctor

Turner, P; Distributed gridded data delivery for marine research; eResearch Australasia, 28/09/2008 - 03/10/2008, Melbourne, Presenter(s): Peter Turner

Proctor, R; The Australian Marine Observing System; European Geosciences Union (EGU) General Assembly, 19/04/2009 - 24/04/2009, Vienna, Presenter(s): Roger Proctor

Ridgway, K, Steinberg, C, Herzfeld, M, Schiller, A, Feng, M; Downscaling climate change to Heron Island on the GBR; Marine and Tropical Sciences Research Facility (MTSRF) Conference, 28/04/2009 - 30/04/2009, Townsville

Proctor, R; A data delivery system for IMOS, the Australian Integrated Marine Observing System; eResearch Australasia, 09/11/2009 - 13/11/2009, Sydney, Presenter(s): Roger Proctor

Williams, R, Mak, P, Blain, P, Bindoff, N; The Marine and Climate Data Discovery and Access Project (MACDDAP); eResearch Australasia, 09/11/2009 - 13/11/2009, Sydney, Presenter(s): Peter Blain

Lynch, T; Functions of the Australian National Reference Stations; Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong, Presenter(s): Tim Lynch

Proctor, R; Delivering the Australian Ocean Data Network (AODN); Australian Marine Science Association Conference, 05/07/2010 - 08/07/2010, Woolongong, Presenter(s): Roger Proctor

Ryan, T, Downie, R, Kloser, R, Keith, G; Reducing error in open-ocean acoustic measurements; ICES Annual Science Conference, 20/09/2010 - 24/09/2010, Nantes, Presenter(s): Tim Ryan

Ebeling, W, Bonet, M, Walsh, A, Mak, P, Mosbauer, A, Edwards, L, Gorringer, P; Delivering the Australian Ocean Data Network (AODN); eResearch Australasia, 08/11/2010 - 12/11/2010, Gold Coast, Presenter(s): Matias Bonet, Wiebke Ebeling, Patrick Gorringer, Pauline Mak, Andrew Walsh

Proctor, R; The Australian Integrated Marine Observing System: marine data for researchers; eResearch Australasia, 08/11/2010 - 12/11/2010, Gold Coast, Presenter(s): Roger Proctor

Proctor, R, Bainbridge, S; The use of sensor networks for coastal monitoring within the Australian Integrated Marine Observing System; Australia-China Information and Communications Technology (ICT) Summit, 17/11/2010 - 19/11/2010, Hobart, Presenter(s): Roger Proctor

Proctor, R, Gorringer, P, Roberts, K; Australian Ocean Data Network (AODN): publicly funded data, publicly available; IEEE eScience Conference 2010, 07/12/2010 - 10/12/2010, Brisbane, Presenter(s): Roger Proctor

Proctor, R; Australian initiatives in marine information infrastructure; European Geosciences Union General Assembly, 07/04/2011 - 08/04/2011, Vienna, Presenter(s): Roger Proctor

Tilbrook, B; Ocean acidification and the carbonate chemistry of Australian regional seas; Ocean Acidification: Implications for Living Marine Resources in the Southern Hemisphere, 15/06/2011 - 17/06/2011, Canberra, Presenter(s): Bronte Tilbrook

Coman, F, Davies, C, Hosie, G, McLaughlin, J, McLeod, DJ, Slotwinski, A, Strzelecki, J, Tonks, M, Richardson, A; Plankton observing in Australia: the Australian Continuous Plankton Recorder (AusCPR) survey; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Anthony Richardson

Lynch, T; A NRS infrastructure for Australia: Preliminary results and quality control; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Tim Lynch

Vianna, G, Meekan, MG, Pannell, D, Marsh, S, Meeuwig, J; Socio-economic and community benefits from shark diving tourism in Palau: a sustainable use of reef shark populations; Australian Marine Science Association Conference, 03/07/2011 - 07/07/2011, Fremantle, Presenter(s): Gabriel Vianna

Blain, P; Birds of a Feather ; eResearch Australasia, 06/11/2011 - 10/11/2011, Melbourne, Presenter(s): Peter Blain

Blain, P, Petrelli, P, Lohrey, J, Bindoff, N; Outcomes of the Marine and Climate Data Discovery and Access Project (MACDDAP); eResearch Australasia, 06/11/2011 - 10/11/2011, Melbourne

Yu, L; Towards a balanced net heat flux at the ocean surface; NASA Clouds and Earth's Radiant Energy System (CERES) science team meeting, 01/05/2012 - 03/05/2012, Newport News, Presenter(s): Lisan Yu

Davies, C, Coman, F, Hallegraeff, GM, Hosie, G, McKinnon, D, McLaughlin, J, McLeod, DJ, Slotwinski, A, Strzelecki, J, Swadling, K, Thompson, KR, Tonks, M, Richardson, A; We need YOU: Plankton researchers united; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Claire Davies



Griffin, DA; Extreme weather events; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): David Griffin

Ingleton, T, Morris, BD, Lynch, T; CTD profiling and the Integrated Marine Observing System (IMOS): A standard approach for profile data collection and handling for the Australian National Moorings Network (ANMN); AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart

Bradford, RW, Bruce, B; Tracking broad-scale movements of a top-order predator using coastal sensor arrays and satellite telemetry; ASFB and OCS - Australian Society for Fish Biology and Oceania Chondrichthyan Society, 15/07/2012 - 18/07/2012, Adelaide, Presenter(s): Russell Bradford

Bruce, B, Bradford, RW; The effects of shark cage diving on the localised and broad-scale movements of white sharks in Australian waters; ASFB and OCS - Australian Society for Fish Biology and Oceania Chondrichthyan Society, 15/07/2012 - 18/07/2012, Adelaide

Mills, K; House of home? How snapper (*Chrysophrys auratus*) utilise artificial and natural reefs in Port Phillip Bay; ASFB and OCS - Australian Society for Fish Biology and Oceania Chondrichthyan Society, 15/07/2012 - 18/07/2012, Adelaide, Presenter(s): Kade Mills

Moltmann, T, Proctor, R; The Integrated Marine Observing System: observations to support research and applications in the coastal zone; Coast to Coast Conference, 17/09/2012 - 21/09/2012, Brisbane, Presenter(s): Roger Proctor

Proctor, R, Oke, PR, Davey, B, Rosebrock, U; A marine virtual laboratory and information system applicable to coastal seas; Coast to Coast Conference, 17/09/2012 - 21/09/2012, Brisbane, Presenter(s): Roger Proctor

Griffin, DA, Cahill, M; Oceancurrent.imos.org.au and Australia's Integrated Marine Observing System; GODAE - OceanView 20 Years of Progress in Radar Altimetry Symposium, 24/09/2012 - 29/09/2012, Venice, Presenter(s): David Griffin

Griffin, DA, Cahill, M; Assessment of CryoSat sea level anomaly using HF radar and SST imagery; Ocean Surface Topography Science Team Meeting, 27/09/2012 - 28/09/2012, Venice, Presenter(s): David Griffin

Clementson, L, Brando, V, Schroeder, T, Besnard, L, Proctor, R, Anstee, J, Blondeau-Patissier, D, King, E; Australia's Integrated Marine Observation System (IMOS); Ocean Optics XXI, 08/10/2012 - 12/10/2012, Glasgow, Presenter(s): L Clementson

Proctor, R, Pasquer, B, Blain, P, Mancini, S, Oke, PR, Rosebrock, U, Condie, SA, Hepburn, M, Fu, M, Davey, B; The Marine Virtual Laboratory (MARVL) and the MARVL Information System (MARVLIS); eResearch Australasia, 20/10/2012 - 25/10/2012, Brisbane, Presenter(s): Roger Proctor

Glaves, HM, Proctor, R, Miller, SP, Schaap, D; Mind the Gap: furthering the development of an international collaboration in marine data management; American Geophysical Union (AGU) Fall Meeting, 03/12/2012 - 07/12/2012, San Fransisco, Presenter(s): Roger Proctor

Proctor, R, Blain, P, Mancini, S; Data Down Under: the Australian Ocean Data Network and integrated Marine Observing System; American Geophysical Union (AGU) Fall Meeting, 03/12/2012 - 07/12/2012, San Fransisco, Presenter(s): Roger Proctor

Harcourt, R; Biologging approaches and answers; AATAMS Biologging Workshop, 27/12/2012 - 29/12/2012, Sydney Institute for Marine Science, Sydney, Presenter(s): Rob Harcourt

Evans, K, Lynch, T, Morello, E, Ridgway, K; The Australian Integrated Marine Observing System's National Reference Stations: a continental observing system for identifying climate variability over multiple scales; CLIOTOP Second Symposium, 11/02/2013 - 15/02/2013, Noumea, Presenter(s): Karen Evans

Bainbridge, S, Proctor, R; AODC-JF, IMOS, AODN, eMII: an ocean of acronyms; IODE First ODIP Workshop, 25/02/2013 - 28/03/2013, Oostende, Presenter(s): Scott Bainbridge

Galibert, G; Existing implementations of standards and protocols; IODE First ODIP Workshop, 25/02/2013 - 28/03/2013, Oostende, Presenter(s): Guillaume Galibert

Galibert, G; Metadata and data exchange mechanisms; IODE First ODIP Workshop, 25/02/2013 - 28/03/2013, Oostende, Presenter(s): Guillaume Galibert

Lowry, R, Finney, K, Leadbetter, A, Stocks, K; ODIP common vocabularies; IODE First ODIP Workshop, 25/02/2013 - 28/03/2013, Oostende, Presenter(s): Roy Lowry

Proctor, R, Dunstan, P, Hedge, P, Atkins, N, Mancini, S, Bax, N; The Australian Ocean Data Network as a tool for supporting management of marine biodiversity; European Geosciences Union (EGU) General Assembly, 07/04/2013 - 12/04/2013, Vienna, Presenter(s): Roger Proctor

Wyatt, LR; Australian HF radar wave measurements - current status, future prospects; 2nd Australian Wind-Wave Symposium, 04/06/2013 - 05/06/2013, Melbourne, Presenter(s): Lucy Wyatt

Mancini, S; Data interoperability for 21st century; CLIVAR Global Synthesis and Observations Panel (GSOP) Coordinated Quality-Control of Global Subsurface Ocean Climate Observations Workshop, 12/06/2013 - 14/06/2013, Hobart, Presenter(s): Sebastien Mancini

Vianna, G, Meekan, MG, Meeuwig, J, Speed, CW; Vertical movement and site fidelity of grey reef sharks (*Carcharhinus amblyrhynchos*) at aggregation sites on a coral reef; 9th Indo-Pacific Fish Conference, 24/06/2013 - 28/06/2013, Okinawa, Presenter(s): Gabriel Vianna

Bewley, M, Pizarro, O, Williams, S; Automated classification of benthic imagery content using a hierarchical classification scheme; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Michael Bewley

Coman, F, Richardson, A, Hosie, G, Davies, C, Forcey, K, McLaughlin, J, McLeod, DJ, Miller, M, Murphy, N, Slotwinski, A, Strzelecki, J, Tonks, M, Rochester, W; Plankton in the Integrated Marine Observing System: how can you use the data?; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Frank Coman

Doblin, MA, Steinberg, C; Micro's for Macro's: new perspectives on microbially-mediated marine processes; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): M Doblin

Edwards, L, Williams, S, Wyatt, M, Harrison, J, Toohey, L, Gray, M, Marrable, D, Friedman, A, Steinberg, D; CATAMI (Collaborative and Annotation Tools for the Analysis of Marine Imagery and video) - Unlocking the potential of marine imagery; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Luke Edwards

Griffin, DA, Cahill, M; IMOS Ocean Current: monitoring Australia's ocean currents on a daily basis, for all to see; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): David Griffin

Richardson, A, Rochester, W, Hosie, G; Plankton 2013: an assessment of Australia's oceans using plankton as ecosystem indicators; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Anthony Richardson

Swadling, K, Slotwinski, A, Davies, C, Beard, J, McKinnon, D, Coman, F, Murphy, N, Tonks, M, Rochester, W, Hosie, G, Richardson, A; Australian marine zooplankton: a taxonomic guide and atlas; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Kerrie Swadling

Bakker, DCE, Hankin, S, Olsen, A, Pfeil, B, et. al.; An update to the Surface Ocean CO2 Atlas (SOCAT version 2); Global Ocean Acidification Observing Network, 24/07/2013 - 26/07/2013, St. Andrews, Presenter(s): D Bakker

Blain, P; IMOS on the NSP; eResearch Australasia, 20/10/2013 - 25/10/2013, Brisbane, Presenter(s): Peter Blain

Blain, P; Moving from the Data Fabric to RDSI; eResearch Australasia, 20/10/2013 - 25/10/2013, Brisbane, Presenter(s): Peter Blain

Shen, X, Simons, N, Treloar, A, Guru, S, Proctor, R, Nicholls, M, Eagleson, S, Winton, L; Birds of a Feather: NCRIS Data Showcase; eResearch Australasia, 20/10/2013 - 25/10/2013, Brisbane, Presenter(s): Peter Blain

Bowden, D; Using acoustic telemetry to identify unknown unknowns ; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Deb Bowden

Moltmann, T; Australia's Integrated Marine Observing System and Ocean Data Network; Partnership for Observation of the Global Oceans (POGO), 21/01/2014 - 24/01/2014, Hobart, Presenter(s): Tim Moltmann

Proctor, R; IMOS e-infrastructure and the Australian Ocean Data Network; Partnership for Observation of the Global Oceans (POGO), 21/01/2014 - 24/01/2014, Hobart, Presenter(s): Roger Proctor

Griffin, DA; Highlights of the IMOS observations of ocean currents; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): David Griffin

Proctor, R, Blain, P, Mancini, S; Information infrastructure for the Australian Ocean Data Network; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Roger Proctor

Proctor, R, Oke, PR, Gillibrand, P, Blain, P, Pasquer, B, Rosebrock, U, Carroll, G, Fu, M, Davey, B; Australia's Marine Virtual Laboratory; Australian Meteorological and Oceanographic Society (AMOS) Conference, 12/02/2014 - 14/02/2014, Hobart, Presenter(s): Roger Proctor

Pizarro, O, Williams, S, Johnson-Robertson, M, Steinberg, C, Bryson, M; Reef mapping and monitoring assisted by machines; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Oscar Pizarro

King, E, Paget, M, Suber, K; IMOS AODAAC - gridded data access; Spatially Explicit Data Discovery, Extraction and Evaluation Services (SPEDDEXES), 17/03/2014 - 21/03/2014, Sydney, Presenter(s): Edward King

Heron, M, Atwater, DP; Quality control in HF ocean radars; Ocean Radar Conference for Asia-Pacific, 02/04/2014 - 04/04/2014, Kaohsiung, Presenter(s): Mal Heron

Wyatt, LR, Atwater, DP, Lethaby, P, Prytz, A; Performance of the HF radars in the Australian Coastal Ocean Radar Network; Ocean Radar Conference for Asia-Pacific, 02/04/2014 - 04/04/2014, Kaohsiung, Presenter(s): Lucy Wyatt

Wyatt, LR; The Australian coastal Ocean Radar Network, ACORN (special GEO session); Ocean Radar Conference for Asia-Pacific, 02/04/2014 - 04/04/2014, Kaohsiung, Presenter(s): Lucy Wyatt

Glaves, HM, Schaap, D, Proctor, R; Ocean Data Interoperability Platform (ODIP): supporting the development of a common global framework for marine data management through international collaboration; European Geosciences Union (EGU) General Assembly, 27/04/2014 - 02/05/2014, Vienna, Presenter(s): Helen Glaves

Proctor, R, Mancini, S, Blain, P; Australian Integrated Marine Observing System: improving users access to data; European Geosciences Union (EGU) General Assembly, 27/04/2014 - 02/05/2014, Vienna, Presenter(s): Roger Proctor

Friedman, A, Williams, S, Pizarro, O; Automated estimation of benthic coverage - a superpixel based approach; GeoHab 2014, 05/05/2014 - 09/05/2014, Melbourne, Presenter(s): Ariell Friedman

Tilbrook, B; Surface Ocean CO2 Atlas Workshop 10; IMBER Future Oceans Science Conference, 23/06/2014 - 28/06/2014, Bergen, Presenter(s): Bronte Tilbrook

Brown, MV; Microbial patterns in Australian marine provinces; Australian Society for Microbiology Conference, 06/07/2014 - 09/07/2014, Melbourne, Presenter(s): Mark Brown

Beggs, H, Griffin, C, Majewski, L, Siddique, A; 21 years of high-resolution sea surface temperatures around Australia and Antarctica; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Helen Beggs

Clementson, L, Helidoniotis, F, Lynch, T; A systematic approach to providing high quality bio-optical data streams from moored observing systems over broad spatial and temporal scales; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): L Clementson

Ferrari, R, Malcolm, HA, Verges, A, Figueria, W, Byrne, M, Williams, S, Jordan, A; Importance of 3D structural complexity as a driver of fish abundance across depth and spatial scales; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Renata Ferrari

Friedman, A; Multi-scale measures of rugosity, slope and aspect from benthic stereo image reconstructions; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Ariell Friedman

Lara-Lopez, A, Proctor, R, Moltmann, T; Australia's Integrated Marine Observing System: infrastructure for monitoring the state of our oceans; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Ana Lara-Lopez

Tattersall, K, Proctor, R, Mancini, S, Atkins, N, Lara-Lopez, A; The Australian Ocean Data Network: a portal for marine data from all sources; Australian Marine Science Association Conference, 07/07/2014 - 11/07/2014, Canberra, Presenter(s): Katherine Tattersall

Ferrari, R, Bryson, M, Bridge, T, Williams, S, Byrne, M, Harborne, AR, Figueria, W; Coral reef structural complexity increases after bleaching event; 88th Australian Coral Reef Society Conference, 27/08/2014 - 29/08/2014, Brisbane, Presenter(s): Renata Ferrari

Bakker, DCE, Pfeil, B, Smith, K, Olsen, A, Alin, SR, Cosca, C, Hankin, S, Harasawa, S, Jones, SD, Kozyr, A, Nojiri, Y, O'Brien, K, Schuster, U, Telszewski, M, Tilbrook, B, Wanninkhof, R; The Surface Ocean CO2 Atlas (SOCAT) enables detection of changes in the ocean carbon sink; Integrated Carbon Observing System (ICOS), 22/09/2014 - 23/09/2014, Brussels, Presenter(s): D Bakker

McMahon, C; Biologging acrobatics: balancing the need for research and animal welfare in a vibrant research environment; 5th International Bio-Logging Science Symposium, 22/09/2014 - 26/09/2014, Strasbourg, Presenter(s): Clive McMahon

Griffin, DA, Cahill, M; Coastal Altimetry 101; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): David Griffin

Proctor, R, Oke, PR, Rosebrock, U, Davey, B, Fu, M, Blain, P, Pasquer, B, Carroll, G, Pigot, S; Australia's Marine Virtual Laboratory; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra, Presenter(s): Roger Proctor

Blain, P, Proctor, R, Oke, PR, Rosebrock, U, Davey, B; Australia's Marine Virtual Laboratory; eResearch Australasia, 27/10/2014 - 31/10/2014, Melbourne, Presenter(s): Roger Proctor

Blain, P, Proctor, R; The Integrated Marine Observing System: Delivering reliable and usable services on the national infrastructure; eResearch Australasia, 27/10/2014 - 31/10/2014, Melbourne, Presenter(s): Peter Blain

Griffin, DA, Cahill, M; IMOS OceanCurrent - bringing ocean observations to users ; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): David Griffin

Moltmann, T; Sustained observations for many users - a perspective from Australia's Integrated Marine Observing System (IMOS); Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Tim Moltmann

Proctor, R, Glaves, HM, Schaap, D, Stocks, K; Ocean Data Interoperability Platform (ODIP): towards a common framework for marine data management on a global scale; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Roger Proctor

Schroeder, T, King, E, Steven, A, Brando, V, Dekker, AG; Towards continental-scale operational ocean and coastal monitoring using earth observation data in Australia; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Thomas Schroeder

Steven, A, Clementson, L, King, E, Hodge, J, Schroeder, T, Hardman-Mountford, NJ; ChloroGIN and other ocean colour developments in Australia; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Andy Steven

Watson, C, White, N, Church, JA, King, M, Burgette, R, Legresy, B; Assessing the rate of GMSL change over the satellite era; International Union of Geophysics and Geology (IUGG) General Assembly, 22/06/2015 - 02/07/2015, Prague, Presenter(s): Chris Watson

Hedge, P; Reflecting on a decade of collaborations to improve monitoring, evaluation and reporting on marine ecosystems health in offshore waters; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Paul Hedge

Lara-Lopez, A; IMOS Observations for coasts and extremes; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ana Lara-Lopez

Lynch, T, Morello, E, Evans, K, Richardson, A, Rochester, W, et, al.; IMOS National Reference Stations: a continental-wide physical, chemical and biological coastal observing system; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Tim Lynch

Proctor, R, Oke, PR, Rosebrock, U, Davey, B, Carroll, G, Fu, M, Blain, P, Pasquer, B, Pigot, S; Modelling made easy - The Marine Virtual Laboratory; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Benedicte Pasquer

Sequeira, A, Rodriguez, J, et, al.; Comparative analysis of movement patterns of marine vertebrates; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Ana Sequeira

Uribe-Palomino, J, Davies, C, Coman, F, et, al.; Composition and distribution of tintinnids in Australian marine waters; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Julian Uribe-Palomino

Vasile, R, et, al.; Validation of hydrodynamic ocean models using empirical data for the purpose of larval dispersal modelling; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Roxana Vasile

Simpfendorfer, C, Huveneers, C, Steckenreuter, A, Tattersall, K, Hoenner, X, Harcourt, R, Heupel, M; Ghosts in the data: false detections in acoustic telemetry monitoring; 3rd International Conference on Fish Telemetry (ICFT) / 5th Annual OTN Canada Symposium , 13/07/2015 - 17/07/2015, Halifax, Presenter(s): Colin Simpfendorfer

Proctor, R, Hoenner, X, Mancini, S, Tattersall, K, Suthers, I, Steinberg, P, Doblin, MA; Integrating research infrastructure into education - bringing ocean observations to the classroom; Australian Meteorological & Oceanographic Society (AMOS) Conference, 15/07/2015 - 17/07/2015, Brisbane, Presenter(s): Roger Proctor

Brushett, B, Griffin, DA; Operational drift forecast modelling in support of the AMSA search for Malaysian Airlines MH370; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): David Griffin

Moltmann, T, Kelly-Gerreyn, B, Llewellyn, L, Lewis, A; Observing systems - research and operational; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Tim Moltmann

Proctor, R; New advanced computing research infrastructures to support operational oceanography; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Roger Proctor

Ferrari, R, Figueria, W, Williams, S, Byrne, M; Bridging the gap between small-scale high-resolution and large-scale low-resolution marine studies; 27th International Congress for Conservation Biology, 02/08/2015 - 07/08/2015, Montpellier, Presenter(s): Renata Ferrari

Ferrari, R, Malcolm, HA, Hill, N, Lucieer, V, Figueria, W; Predicting fish distributions for marine spatial planning in Marxan; Australian Society for Fish Biology Conference, 11/10/2015 - 14/10/2015, Sydney, Presenter(s): Renata Ferrari

Hoenner, X, Proctor, R, Mancini, S, Tattersall, K, Burgess, J, Steckenreuter, A, Simpfendorfer, C, Peddemors, V, Harcourt, R; The Australian national database for acoustic monitoring of marine species; Australian Society for Fish Biology Conference, 11/10/2015 - 14/10/2015, Sydney, Presenter(s): Xavier Hoenner

Finney, K, Mancini, S, Frazier, J, Walker, R, Brownlee, R, Burton, A ; Vocabulary management and publication at IMOS using services developed in partnership with ANDS; eResearch Australasia, 19/10/2015 - 23/10/2015, Brisbane, Presenter(s): Sebastien Mancini

Knott, N, Ferguson, A, Fetterplace, L, Marzullo, T, Bass, N, Brown, CJ, Suthers, I, Harvey, ES, Davis, A, Taylor, M; Movement of fishes among reefs and over soft sediments within a temperate embayment: the necessity and implication of movement data for spatial management; Ecological Society of Australia Conference, 29/11/2015 - 03/12/2015, Adelaide, Presenter(s): Nathan Knott

Tattersall, K, Proctor, R, Mancini, S, Hoenner, X; Integrating research infrastructure into education - bringing ocean observations to the classroom; Teaching Matters 2015: Tasmanian Blends, 02/12/2015 - 02/12/2015, University of Tasmania, Hobart, Presenter(s): Katherine Tattersall

Harcourt, R, Mustafid, H; The 3rd international animal telemetry data standardization meeting; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Rob Harcourt

Jonsen, I; Hierarchical state-space models improve estimation of behavioural states from animal movement data; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Iain Jonsen

Moltmann, T, Proctor, R; Sustained ecological observing, how hard can it be?; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Tim Moltmann

Proctor, R, Hoenner, X, Mancini, S, Tattersall, K, Everett, JD, Suthers, I, Steinberg, C, Doblin, MA, Moltmann, T; Bringing ocean observations to the classroom - integrating research infrastructure into education; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Roger Proctor

Middleditch, A, Cosoli, S; Data Quality requirements for the phased-array HF radar systems in Australia; 3rd Ocean Radar Conference for Asia-Pacific, 10/04/2016 - 13/04/2016, Wuhan, Presenter(s): Andrew Middleditch

Blain, P; Technical 301: scaling ideas: accelerating research with AWS; Amazon Web Services (AWS) Summit, 27/04/2016 - 28/04/2016, Sydney, Presenter(s): Peter Blain

Blain, P; The connected world of IOT; Amazon Web Services (AWS) Summit, 27/04/2016 - 28/04/2016, Sydney, Presenter(s): Peter Blain

Friedman, A, Pizarro, O, Williams, S; Online framework for collaborative annotation of underwater imagery and video; 13th International Coral Reef Symposium (ICRS), 19/06/2016 - 24/06/2016, Hawaii, Presenter(s): Ariell Friedman

Lara-Lopez, A, Moltmann, T, Proctor, R; Sustained biological and ecosystem ocean observing: how are we approaching it and why is it important?; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Ana Lara-Lopez

Proctor, R, Mancini, S, Blain, P, Schmidt, J, Mackay, K; The Australian Ocean Data Network and New Zealand marine data; NZMSS and AMSA Sharing Ocean Resources - Now and in the future, 04/07/2016 - 07/07/2016, Wellington, Presenter(s): Kevin Mackay

Lara-Lopez, A; Australia's Integrated Marine Observing System (IMOS): helping to understand ocean acidification; 9th Annual NZOA Workshop, 08/07/2016 - 08/07/2016, Wellington, Presenter(s): Ana Lara-Lopez

Proctor, R, Moltmann, T, Lara-Lopez, A; Australia's Integrated Marine Observing System: infrastructure for monitoring the state of our oceans - strengths and opportunities; 13th Annual Meeting, Asia Oceania Geosciences Society (AOGS), 31/07/2016 - 05/08/2016, Beijing, Presenter(s): Roger Proctor

Cahill, M; IMOS OceanCurrent web site; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Madeleine Cahill

Lara-Lopez, A; Long-term observing systems: what is on offer in Australia and can it improve my science?; Australian Society for Fish Biology (ASFB) and Oceania Chondrichthyan Society (OCS) 2016, 04/09/2016 - 07/09/2016, Hobart, Presenter(s): Ana Lara-Lopez

Blain, P, Proctor, R; IMOS - eResearch Services in the Cloud; eResearch Australasia, 10/10/2016 - 14/10/2016, Melbourne, Presenter(s): Peter Blain

Cahill, M; What's new on OceanCurrent?: Seal CTD's and SST Percentiles; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Madeleine Cahill

Mancini, S, Finney, K, Proctor, R, Atkins, N; Managing Australian Ocean Data Network (AODN) vocabularies; International Conference on Marine Data and Information Systems (IMDIS), 11/10/2016 - 13/10/2016, Gdansk, Presenter(s): Sebastien Mancini

Mancini, S, Proctor, R, Blain, P; Enhancing user access to oceanographic data through commercial cloud services; International Conference on Marine Data and Information Systems (IMDIS), 11/10/2016 - 13/10/2016, Gdansk, Presenter(s): Sebastien Mancini

Proctor, R, Everett, JD, Roughan, M, Schaeffer, A, Hoenner, X, Suthers, I, Steinberg, P, Doblin, MA, Williams, S, Bryson, M, Brodie, S, Swadling, K; Bringing ocean observations to the classroom - student access to open data; International Conference on Marine Data and Information Systems (IMDIS), 11/10/2016 - 13/10/2016, Gdansk, Presenter(s): Roger Proctor

D'Adamo, N, Pattiaratchi, C, Moltmann, T; Contemporary technologies for ocean observations under the Global Ocean Observing System framework – with relevancy to the Persian Gulf and Gulf of Oman; 18th Iranian Marine Industries Conference, 18/10/2016 - 21/10/2016, Kish Island

Proctor, R, Graves, HM; Australian Ocean Data Network and Ocean Data Interoperability Platform; IOC International Oceanographic Data and Information Exchange (IODE), 27/03/2017 - 31/03/2017, Kuala Lumpur, Presenter(s): Roger Proctor

Proctor, R, Mancini, S, Besnard, L; Improving oceanographic data delivery through pipeline processing in a Commercial Cloud Services environment: the Australian Integrated Marine Observing System; European Geosciences Union (EGU) General Assembly, 23/04/2017 - 28/04/2017, Vienna, Presenter(s): Laurent Besnard

Dudgeon, C; Applications of telemetry to studying fish populations: common and not-so-common approaches; 4th International Conference on Fish Telemetry, 19/06/2017 - 23/06/2017, Cairns, Presenter(s): Chris Dudgeon

Harcourt, R, Jaime, F, McDowall, P, Van Den Broek, J; IMOS Animal Tracking Facility: 10 years on and going strong; 4th International Conference on Fish Telemetry, 19/06/2017 - 23/06/2017, Cairns, Presenter(s): Rob Harcourt

Hoenner, X; Australia's continental scale acoustic tracking database and its automated quality control process; 4th International Conference on Fish Telemetry, 19/06/2017 - 23/06/2017, Cairns, Presenter(s): Xavier Hoenner

Walsh, P; Implementing a governance model for sharing global animal tracking data; 4th International Conference on Fish Telemetry, 19/06/2017 - 23/06/2017, Cairns, Presenter(s): Peter Walsh

Lara-Lopez, A; After a decade, what is new in IMOS?; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Ana Lara-Lopez

Przeslawski, R; Development of field manuals for marine benthic monitoring in CMRs; Australian Marine Science Association Conference, 02/07/2017 - 06/07/2017, Darwin, Presenter(s): Rachel Przeslawski

Lara-Lopez, A, Moltmann, T, Proctor, R; Measuring and understanding change: IMOS initiatives and tools relevant to fish and fisheries; Australian Society for Fish Biology (ASFB) Conference, 22/07/2017 - 24/07/2017, Albany, Presenter(s): Tim Moltmann

### Conference Poster

Turner, P, King, E; The Australian Oceans DAAC; eResearch Australasia, 26/06/2007 - 28/06/2007, Brisbane

Proctor, R, Strain, B, Tattersall, K, Hope, J; eMarine Information Infrastructure (eMII) - bringing the data together; eResearch Australasia, 28/09/2008 - 03/10/2008, Melbourne, Presenter(s): Roger Proctor, Kate Roberts

Proctor, R, Meyers, G, Roughan, M; The Australian Integrated Marine Observing System; American Geophysical Union (AGU) Fall Meeting, 15/12/2008 - 19/12/2008, San Francisco, Presenter(s): Roger Proctor

Proctor, R; The Australian Integrated Marine Observing System (IMOS) - a resource for modellers; ROMS/TOMS Meeting, 31/03/2009 - 02/04/2009, Sydney, Presenter(s): Roger Proctor

Hill, K, Meyers, G, Moltmann, T, Proctor, R; The Australian Integrated Marine Observing System; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice, Presenter(s): Katy Hill

Proctor, R, Roberts, K, Bohm, P, Cameron, S, Hope, J, Jones, C, Mancini, S, Pepper, K, Tattersall, K, Ward, BJ, Williams, G, Mak, P, Goessmann, F; Information infrastructure for the Australian Integrated Marine Observing System; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice, Presenter(s): Roger Proctor

Proctor, R, Tattersall, K, Mancini, S; eMarine Information Infrastructure (eMII) - bringing the data together; OceanObs'09 Conference, 21/09/2009 - 25/09/2009, Venice, Presenter(s): Sebastien Mancini

Proctor, R, Roberts, K, Tattersall, K; The Integrated Marine Observing System - delivering data-streams to support marine research and applications ; eResearch Australasia, 09/11/2009 - 13/11/2009, Sydney, Presenter(s): Roger Proctor, Kate Roberts

Proctor, R, Tattersall, K, Mancini, S, Roberts, K; The Integrated Marine Observing System - delivering data-streams to support marine research and applications; Australian Meteorological and Oceanographic Society (AMOS) Conference, 27/01/2010 - 29/01/2010, Canberra, Presenter(s): Patrick Gorringer, Roger Proctor, Kate Roberts

Bruce, B, Bradford, RW; The potential for aerial surveys of juvenile white sharks in eastern Australia; International White Shark Symposium, 07/02/2010 - 10/02/2010, Honolulu

Proctor, R, Roberts, K, Tattersall, K, Mancini, S, Besnard, L; The Australian Integrated Marine Observing System: delivering data for marine researchers; eResearch Australasia, 08/11/2010 - 12/11/2010, Gold Coast, Presenter(s): Roger Proctor, Kate Roberts, Katherine Tattersall

Suber, K, King, E, Smith, G, Paget, M, Blain, P; Building the semantic web for gridded data ; eResearch Australasia, 08/11/2010 - 12/11/2010, Gold Coast, Presenter(s): Edward King

Davies, C, Bonham, P, Coman, F, Lynch, T, Slotwinski, A, Thompson, P, Tonks, M, Richardson, A; Plankton observing in Australia: the Australian National Reference Stations; 5th International Zooplankton Production Symposium, 14/03/2011 - 18/03/2011, Pucon

Proctor, R, Ebeling, W; Australian initiatives in marine information infrastructure; European Geosciences Union General Assembly, 07/04/2011 - 08/04/2011, Vienna, Presenter(s): Roger Proctor

Proctor, R, Hill, K; Australian initiatives in marine information infrastructure; International Union of Geophysics and Geology (IUGG) Earth on the Edge: Science for a Sustainable Planet, 28/06/2011 - 07/07/2011, Melbourne, Presenter(s): Katy Hill

Hallegraeff, GM, Coad, T, Coman, F, Davies, C; The potential of phytoplankton SEM analyses of archived Continuous Plankton Recorder skills; Plankton Symposium: Plankton Biodiversity and Climate Change, 22/09/2011 - 23/09/2011, Plymouth

Galibert, G, McCarthy, P, Proctor, R, Roughan, M, Morello, E; A new toolbox for oceanographic data quality control and NETcdf formatting; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Moltmann, T, Hill, K; Australia's Integrated Marine Observing System - Monitoring major boundary currents and inter-basin flows; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Proctor, R, Blain, P, Mancini, S, Galibert, G; (met-) Oceans of data - the Australian Ocean Data Network; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney, Presenter(s): Roger Proctor

Proctor, R, Blain, P, Mancini, S; Oceans of Data: the Australian Ocean Data Network; 18th Australian Meteorological and Oceanographic Society (AMOS) Conference, 31/01/2012 - 03/02/2012, University of New South Wales, Sydney

Kloser, R, Ryan, T, Downie, R, Keith, G; Bio-acoustic observing system at basin scales part of Australia's Integrated Marine Observing System; Ocean Sciences Meeting, 20/02/2012 - 24/02/2012, Salt Lake City, Presenter(s): Rudy Kloser

Edwards, L, Harrison, J; Collaborative and Automated Tools for Analysis of Marine Imagery and Video (CATAMI); AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Luke Edwards

Hill, K, Moltmann, T, Wiltshire, M; The Integrated Marine Observing System (IMOS): Taking an integrated approach to monitoring marine ecosystem responses; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart

Lewis, M, Kloser, R, Gershwin, L; Acoustic properties of deep-sea fish and micronekton; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Mark Lewis

Moltmann, T, Hill, K, Wiltshire, M; The Integrated Marine Observing System (IMOS): Taking an integrated approach to monitoring boundary currents; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart

Kelly-Gerreyn, B, Ball, G, Beggs, H, Schulz, E, Cabrie, J, Robinson, P, Rodriguez, J, Casey, B; The Australian Bureau of Meteorology's core marine observing networks; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Boris Kelly-Gerreyn

Wyatt, LR, Rehder, S, Prytz, A, Mantovanelli, A, Jaffres, JBD, Heron, M, Atwater, DP; The Australian Coastal Ocean Network; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Lucy Wyatt

Proctor, R, Moltmann, T, Hill, K, Finney, K, Bindoff, N, Tildesley, P, Galibert, G; Opportunities for marine and climate data discovery; Australian Meteorological and Oceanographic Society (AMOS) Conference, 11/02/2013 - 13/02/2013, Melbourne, Presenter(s): Sebastien Mancini

Glaves, HM, Miller, SP, Proctor, R, Schaap, D; Mind the Gap: furthering the development of an international collaboration in marine data management; European Geosciences Union (EGU) General Assembly, 07/04/2013 - 12/04/2013, Vienna, Presenter(s): Helen Glaves

Glaves, HM, Schaap, D, Miller, SP, Proctor, R, Newman, L, Meredith, MP, Schofield, O; Ocean Data Interoperability Platform (ODIP): developing an international collaboration in marine data management of marine biodiversity; European Geosciences Union (EGU) General Assembly, 07/04/2013 - 12/04/2013, Vienna, Presenter(s): Helen Glaves

Proctor, R, Finney, K, Blain, P; The SOOS Data Portal, providing access to Southern Oceans data; European Geosciences Union (EGU) General Assembly, 07/04/2013 - 12/04/2013, Vienna, Presenter(s): Roger Proctor



Bongiorno, D, Bryson, M, Williams, S; Dynamic spectral-based underwater colour correction; OCEANS 2013 MTS/IEEE, 10/06/2013 - 13/06/2013, Bergen, Presenter(s): Daniel Bongiorno

Armstrong, A, Richardson, A, Weeks, S; The size spectrum of zooplankton communities along the Australian east coast: effects of oceanography, season and latitude; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Amelia Armstrong

Coughlan, A, Richardson, A, Weeks, S, Hallegraeff, GM; Effects of climate change on Australian phytoplankton communities; Australian Marine Science Association Conference, 07/07/2013 - 11/07/2013, Gold Coast, Presenter(s): Alex Coughlan

Proctor, R, Oke, PR, Rosebrock, U; Australia's Marine Virtual Laboratory; International Conference on Marine Data and Information Systems (IMDIS), 23/09/2013 - 25/09/2013, Lucca, Presenter(s): Roger Proctor

Moltmann, T, Proctor, R, Donoghue, S; Australia's Integrated Marine Observing System: the model-observation loop; GODAE OceanView Symposium 2013, 04/11/2013 - 06/11/2013, Baltimore, Presenter(s): Tim Moltmann

Moltmann, T, Proctor, R, Donoghue, S; Integrated Marine Observing System: observations to support research and applications in the coastal zone; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Tim Moltmann

Moltmann, T, Proctor, R, Donoghue, S; The Integrated Marine Observing System: observations to support research and applications in the coastal zone; Ocean Sciences Meeting, 23/02/2014 - 28/02/2014, Honolulu, Presenter(s): Tim Moltmann

Wyatt, LR; The Australian Coastal Ocean Radar Network, ACORN (ONR Panel Session); Ocean Radar Conference for Asia-Pacific, 02/04/2014 - 04/04/2014, Kaohsiung, Presenter(s): Lucy Wyatt

Proctor, R, Gillibrand, P, Oke, PR, Rosebrock, U; Australia's Marine Virtual Laboratory; European Geosciences Union (EGU) General Assembly, 27/04/2014 - 02/05/2014, Vienna, Presenter(s): Roger Proctor

Hoenner, X; Improved discoverability and usability of bio-logging data collected by the Australian Integrated Marine Observing System; 5th International Bio-Logging Science Symposium, 22/09/2014 - 26/09/2014, Strasbourg, Presenter(s): Xavier Hoenner

Proctor, R, Blain, P, Mancini, S; Integrated Marine Observing System / Australian Ocean Data Network: Improving users access to data; Australian Coastal Ocean Modelling and Observations (ACOMO), 07/10/2014 - 08/10/2014, Canberra

Doblin, MA, van Dongen-Vogels, V, Robinson, C, Ralph, P, Everett, JD, McLaughlin, J, Cherukuru, N, King, E, Hardman-Mountford, NJ, Thompson, P; First comparative assessment of primary production estimates in Australian coastal waters from carbon and chlorophyll based satellite models; Ocean Optics XXII, 26/10/2014 - 31/10/2014, Portland, Presenter(s): M Doblin

Nahodil, D; Open-source web portal for accessing geospatial data; eResearch Australasia, 27/10/2014 - 31/10/2014, Melbourne, Presenter(s): David Nahodil

Glaves, HM; Ocean Data Interoperability (ODIP); an international initiative promoting re-use of marine and ocean data; 9th International Marine Technician (INMARTECH) 2014 Symposium, 18/11/2014 - 21/11/2014, Corvallis, Presenter(s): Helen Glaves

Hidas, MG, Proctor, R, Mancini, S, Blain, P, Galibert, G; Information infrastructure and workflows for Australia's Integrated Marine Observing System; 47th International Liege Colloquium on Ocean Dynamics Marine Environmental Monitoring, Modelling and Prediction, 04/05/2015 - 08/05/2015, Liege, Presenter(s): Marty Hidas

Proctor, R, Oke, PR, Rosebrock, U, Davey, B, Fu, M, Blain, P, Pasquer, B, Carroll, G, Pigot, S, Hidas, MG; Australia's Marine Virtual Laboratory; 47th International Liege Colloquium on Ocean Dynamics Marine Environmental Monitoring, Modelling and Prediction, 04/05/2015 - 08/05/2015, Liege, Presenter(s): Marty Hidas

Proctor, R, Oke, PR, Rosebrock, U, Davey, B, Carroll, G, Fu, M, Blain, P, Pasquer, B, Pigot, S; Modelling made easy - The Marine Virtual Laboratory; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Roger Proctor

Zhou, X, Ignatov, A, Xu, F; In situ SST quality monitor version2 (iQuam2); Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): X Zhou

Hoenner, X; A billion oceanographic measurements taking advantage of IMOS data; 3rd International Conference on Fish Telemetry (ICFT) / 5th Annual OTN Canada Symposium, 13/07/2015 - 17/07/2015, Halifax, Presenter(s): Xavier Hoenner

Cahill, M, Griffin, DA; IMOS OceanCurrent gridded sea level and ocean surface velocity; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Madeleine Cahill

Cahill, M, Griffin, DA; IMOS OceanCurrent web site; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Madeleine Cahill

King, E, Scott, R; Near real time satellite SST for decision making; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Edward King

Lara-Lopez, A, Moltmann, T; IMOS observations for operational oceanography; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Ana Lara-Lopez

Proctor, R, Blain, P, Mancini, S; Get your data here! - The Integrated Marine Observing System; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Roger Proctor

Proctor, R, Oke, PR, Rosebrock, U, Davey, B, Fu, M, Blain, P, Pasquer, B, Carroll, G, Pigot, S; A tool for operational oceanography - the Marine Virtual Laboratory; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Roger Proctor

Schroeder, T, King, E, Scott, R; IMOS foundational ocean colour time series products for Australia; Australian Forum for Operational Oceanography, 21/07/2015 - 23/07/2015, Fremantle, Presenter(s): Thomas Schroeder

Hoenner, X; A billion oceanographic measurements taking advantage of IMOS data; eResearch Australasia, 19/10/2015 - 23/10/2015, Brisbane, Presenter(s): Peter Blain, Sebastien Mancini

Moltmann, T; Integrated Marine Observing System: observing Australia's ocean estate need, capability, impact. Part A; eResearch Australasia, 19/10/2015 - 23/10/2015, Brisbane, Presenter(s): Peter Blain, Sebastien Mancini

Moltmann, T; Integrated Marine Observing System: observing Australia's ocean estate need, capability, impact. Part B; eResearch Australasia, 19/10/2015 - 23/10/2015, Brisbane, Presenter(s): Peter Blain, Sebastien Mancini

Proctor, R, Mancini, S, Blain, P; Open access to ocean observations in Australian waters: the Integrated Marine Observing System; eResearch Australasia, 19/10/2015 - 23/10/2015, Brisbane, Presenter(s): Peter Blain, Sebastien Mancini

Proctor, R, Mancini, S, Hoenner, X, Galibert, G, Tattersall, K, Pasquer, B; A 20-year collection of in-situ salinity and temperature observations for the Australian shelf seas; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Roger Proctor

Wijeratne, S, Pattiaratchi, C, Proctor, R; Simulation of boundary currents around Australia; Ocean Sciences Meeting, 21/02/2016 - 26/02/2016, New Orleans, Presenter(s): Roger Proctor

Hidas, MG, Proctor, R, Mancini, S, Blain, P, Galibert, G, Atkins, N; Information infrastructure and workflows for Australia's Integrated Marine Observing System; RDA 7th Plenary - making data sharing work in the era of open science, 01/03/2016 - 03/03/2016, Tokyo, Presenter(s): Natalia Atkins

Proctor, R, Oke, PR, Rosebrock, U, Fu, M, Mancini, S, Blain, P, Pasquer, B, Pigot, S, Carroll, G, Pattiaratchi, C; A tool to accelerate coastal modelling studies - the Marine Virtual Laboratory (MARVL); Physics of Estuaries and Coastal Seas 2016, 17/10/2016 - 21/10/2016, Scheveningen, Presenter(s): Roger Proctor

Proctor, R, Wiltshire, M; Australian Ocean Data Network - home to IMOS data and much more; IOC International Oceanographic Data and Information Exchange (IODE), 27/03/2017 - 31/03/2017, Kuala Lumpur, Presenter(s): Roger Proctor

Atkins, N, Finney, K, Mancini, S; Linked data and IMOS sample sites; Linking environmental data and samples symposium, 29/05/2017 - 01/06/2017, Canberra, Presenter(s): Natalia Atkins

Jaine, F, McDowall, P, Van Den Broek, J, Harcourt, R; IMOS Animal Tracking Facility: 10 years of acoustic telemetry work around Australia; 4th International Conference on Fish Telemetry, 19/06/2017 - 23/06/2017, Cairns, Presenter(s): Fabrice Jaine

## Course Presentation

Huveneers, C, Simpfendorfer, C, Kim, S, Semmens, J, Boomer, A, Heupel, M, Peddemors, V, Hobday, A, Stieglitz, T, Pederson, H, Vallee, R, Webber, D, Harcourt, R; The influence of depth, orientation, and environmental parameters on the performance and detection range of acoustic receivers; International Conference on Fish Telemetry, 15/07/2013 - 19/07/2013, Grahamstown, Presenter(s): Charlie Huveneers

Brodie, S; Fish and chips: electronic approaches to understanding the ecology and behaviour of aquatic animals; Topics in Australian Marine Science (TAMS) Workshop, 06/03/2014 - 30/05/2014, Sydney Institute for Marine Science, Sydney, Presenter(s): Stephanie Brodie

Hidas, MG, Hoenner, X; IMOS data users workshop; Topics in Australian Marine Science (TAMS) Workshop, 06/03/2014 - 30/05/2014, Sydney Institute for Marine Science, Sydney, Presenter(s): Marty Hidas

Marzinelli, EM; Seaweed declines: causes, consequences and solutions; Topics in Australian Marine Science (TAMS) Workshop, 06/03/2014 - 30/05/2014, Sydney Institute for Marine Science, Sydney, Presenter(s): Ezequiel Marzinelli

Proctor, R; Introducing IMOS; IMAS Masters Students Lecture, 12/03/2014 - 12/03/2014, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Roger Proctor

Tattersall, K, Atkins, N; IMOS data users workshop; Physical-Biological Oceanography (MARS 3012), 08/05/2014 - 08/05/2014, University of Queensland, Brisbane, Presenter(s): Katherine Tattersall

Hoenner, X, Tattersall, K; Introduction to the IMOS Ocean Portal; Topics in Australian Marine Science (TAMS) Workshop, 01/03/2015 - 26/06/2015, Sydney Institute for Marine Science, Sydney, Presenter(s): Xavier Hoenner, Katherine Tattersall

Proctor, R; Introduction to IMOS; KSA405 Research Methods in Marine and Antarctic Science, 02/03/2015 - 02/03/2015, Hobart, Presenter(s): Roger Proctor

Mancini, S; Introduction to IMOS; IMAS Honours Course 2016, 22/02/2016 - 22/02/2016, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Sebastien Mancini

Hoenner, X; Introduction to IMOS; Topics in Australian Marine Science (TAMS) Workshop, 02/03/2016 - 04/03/2016, Sydney Institute for Marine Science, Sydney, Presenter(s): Xavier Hoenner

Mancini, S; Introducing IMOS - Australia's Integrated Marine Observing System; IMAS K4S/K4M Honours induction, 27/02/2017 - 27/02/2017, University of Tasmania, Hobart, Presenter(s): Sebastien Mancini

Galibert, G; Introduction to IMOS and AODN; Topics in Australian Marine Science (TAMS) Workshop, 02/03/2017 - 02/03/2017, Sydney Institute for Marine Science, Sydney, Presenter(s): Guillaume Galibert

Lara-Lopez, A; Marine Observing Systems; Lecture for Master Students - University of Tasmania, 14/03/2017 - 14/03/2017, University of Tasmania, Hobart, Presenter(s): Ana Lara-Lopez

Galibert, G; Introduction to IMOS and the AODN Portal; KSA324 Oceanographic Methods , 06/04/2017 - 23/05/2017, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Guillaume Galibert

Jones, EM, Pasquer, B; Ocean Gliders in the Derwent; KSA324 Oceanographic Methods , 06/04/2017 - 23/05/2017, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Emlyn Jones, Benedicte Pasquer

Proctor, R; Modelling in the Derwent; KSA324 Oceanographic Methods , 06/04/2017 - 23/05/2017, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Roger Proctor

Ferrari, R; Marine spatial ecology: incorporating 3D models into marine research; 3rd Year Undergraduate Seminar, University of Sydney, Sydney, Presenter(s): Renata Ferrari

### **Key Note Speaker**

Proctor, R; National and international data management developments; WAMSI Marine Data Management Workshop: One Year On, Marine Data Management in WA, 29/10/2008 - 29/10/2008, Perth, Presenter(s): Roger Proctor

Proctor, R; The Australian Integrated Marine Observing System; International Conference on Marine Data and Information Systems, 29/03/2010 - 31/03/2010, Paris, Presenter(s): Roger Proctor

Bruce, B; Research on white sharks in Australian waters; Sharks International, 06/06/2010 - 11/06/2010, Cairns, Presenter(s): Bary Bruce

Griffin, DA; Extreme oceanic events; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): David Griffin

Semmens, J; Where, when, how and why: Using acoustic telemetry to understand marine animal movement, behaviour and physiology; Australian Society for Fish Biology and Oceana Chondrichthyan Society Joint Meeting, 15/07/2012 - 18/07/2012, Adelaide, Presenter(s): Jayson Semmens

Williams, S; High-resolution benthic survey using Autonomous Underwater Vehicle; Breaking the Surface, 30/09/2012 - 08/10/2012, Murter, Presenter(s): Stefan Williams

Williams, S; Autonomous Underwater Vehicles for environmental monitoring; Tenth Conference on Computer and Robot Vision, 28/05/2013 - 31/05/2013, Regina, Presenter(s): Stefan Williams

Harcourt, R; Dealing with the data: novel approaches from Down-Under; Ocean Tracking Network (OTN) Conference, 03/06/2013 - 05/06/2013, Halifax, Presenter(s): Rob Harcourt

Harcourt, R; OTN and the Australian Animal Tagging and Monitoring System; Ocean Tracking Network (OTN) Conference, 03/06/2013 - 05/06/2013, Halifax, Presenter(s): Rob Harcourt

Williams, S; Autonomous Underwater Vehicles for environmental survey; Japan-Australia Marine Science Workshop, 11/07/2013 - 12/07/2013, Tokyo, Presenter(s): Stefan Williams

Moltmann, T; Australia's Integrated Marine Observing System (IMOS) ; 3rd Brazilian Workshop on Climate Change in Coastal Zones of the Coastal Benthic Habitats Monitoring Network, 10/12/2013 - 12/12/2013, Florianopolis, Presenter(s): Tim Moltmann

Moltmann, T; From observation to impact - an Australian perspective on development of the blue economy; Oceanology International, 15/03/2016 - 17/03/2016, London, Presenter(s): Tim Moltmann

Williams, S; Applications in marine imaging: engineering science, ecology, archaeology and geology; IEEE Underwater Technology Conference, 23/02/2017 - 23/02/2017, Busan, Presenter(s): Stefan Williams

## Meeting Presentation

Proctor, R; IMOS, the Australian Integrated Marine Observing System; EuroGOOS (European Global Ocean Observing System) Annual Meeting, 07/10/2008 - 09/10/2008, Galway, Presenter(s): Roger Proctor

Proctor, R; IMOS, the Australian Integrated Marine Observing System; Northwest European Shelf Operational Oceanography System annual meeting, 16/10/2008 - 17/10/2008, Brest, Presenter(s): Roger Proctor

Proctor, R; The Australian Integrated Marine Observing System; POL Seminar, 20/04/2009 - 24/04/2009, Proudman Oceanographic Laboratory, Liverpool, Presenter(s): Roger Proctor

Proctor, R; Update on IMOS; EuroGoos Board Meeting, 01/09/2009 - 02/09/2009, Copenhagen, Presenter(s): Roger Proctor

Proctor, R; Introducing IMOS; OSPAR Eutrophication Meeting, 07/09/2009 - 09/09/2009, Brussels, Presenter(s): Roger Proctor

Proctor, R; Ships of Opportunity in IMOS; EuroGoos NOOS Meeting, 10/09/2009 - 11/09/2009, Brussels, Presenter(s): Roger Proctor

Proctor, R; IMOS and animal tagging; Sea Mammal Research Unit (SMRU), 13/04/2010 - 14/04/2010, St. Andrews University, St. Andrews, Presenter(s): Roger Proctor

Gorringe, P; The Australian IMOS; IOC Executive Council, 08/06/2010 - 16/06/2010, Paris, Presenter(s): Patrick Gorringe

Proctor, R; The UK/ European Experience; National Coastal Observation Meeting, 06/08/2010 - 06/08/2010, Sydney Institute for Marine Science, Sydney, Presenter(s): Roger Proctor

Proctor, R; The Australian Ocean Data Network (AODN) - developing the WA node; iVEC/WAMSI Data Management Meeting, 16/09/2010 - 16/09/2010, Perth, Presenter(s): Roger Proctor

Ebeling, W, Gorringe, P; Delivering the Western Australian AODN; AODN Seminar, 29/11/2010 - 29/11/2010, Perth, Presenter(s): Wiebke Ebeling, Luke Edwards

Ebeling, W, Gorringer, P; Australia's interface to open access marine data; AODN Seminar, 09/02/2011 - 09/02/2011, Centre for Australian Weather and Climate Research , Melbourne, Presenter(s): Wiebke Ebeling, Patrick Gorringer

Ebeling, W, Gorringer, P; Australia's interface to open access marine data; AODN Seminar, 11/02/2011 - 11/02/2011, Queenscliff, Presenter(s): Wiebke Ebeling, Patrick Gorringer

Ebeling, W, Gorringer, P; Australia's interface to open access marine data; AODN Seminar, 25/02/2011 - 25/02/2011, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Wiebke Ebeling, Patrick Gorringer, Paul Tildesley

Edwards, L; Marine data access overview - IMOS and AODN; WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Luke Edwards

Hill, K; Development of IMOS Science Plans; WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Katy Hill

Ebeling, W, Gorringer, P; Australia's marine research on the map - literally!; AODN Seminar, 03/03/2011 - 03/03/2011, Commonwealth Scientific Industrial Research Organisation, Canberra, Presenter(s): Wiebke Ebeling, Patrick Gorringer

Ebeling, W, Gorringer, P; Australian marine data publicly available!; AODN Seminar, 09/03/2011 - 09/03/2011, University of Tasmania, Hobart, Presenter(s): Wiebke Ebeling, Patrick Gorringer, Alicja Mosbauer

Roberts, K; Use of Geonetwork; Geonetwork User Forum, 25/03/2011 - 25/03/2011, Canberra, Presenter(s): Kate Roberts

Walsh, A; Geonetwork at RAN-Metoc: Usage and future issues; Geonetwork User Forum, 25/03/2011 - 25/03/2011, Canberra, Presenter(s): Andrew Walsh

Ebeling, W, Gorringer, P; Implementing AAD data in the AODN web portal; AODN Seminar, 31/03/2011 - 31/03/2011, Australian Antarctic Division, Hobart, Presenter(s): Wiebke Ebeling, Patrick Gorringer, Alicja Mosbauer

Proctor, R; Update on Australian-EU initiatives; European Geosciences Union Splinter Group Meeting on Marine Data Management, 07/04/2011 - 08/04/2011, Vienna, Presenter(s): Roger Proctor

Ebeling, W, Gorringer, P; The AODN web Portal: Access to marine data for navy; AODN Seminar, 02/05/2011 - 02/05/2011, Sydney, Presenter(s): Wiebke Ebeling, Patrick Gorringer, Andrew Walsh

Ebeling, W, Gorringer, P; The AODN web Portal: Access to marine data for navy; AODN Seminar, 03/05/2011 - 03/05/2011, Woolongong, Presenter(s): Wiebke Ebeling, Patrick Gorringer, Greg Reed, Andrew Walsh

Ebeling, W, Gorringer, P; GA's involvement in the Australian Ocean Data Network; AODN Seminar, 04/05/2011 - 04/05/2011, Geoscience Australia, Canberra, Presenter(s): Wiebke Ebeling, Patrick Gorringer

Ebeling, W, Gorringer, P; Australian Ocean Data Network (AIMS & AODN); AODN Seminar, 07/06/2011 - 07/06/2011, Australian Institute of Marine Science, Townsville, Presenter(s): Patrick Gorringer, Andrew Walsh

Richardson, A; A plankton observing system: the Australian Continuous Plankton Recorder survey (AusCPR); Department of Environmental Affairs and Tourism Talk, 01/09/2011 - 01/09/2011, Cape Town, Presenter(s): Anthony Richardson

Proctor, R; Publishing data for IMOS and the AODN: Making Australian marine data, publicly available; National Institute of Water and Atmospheric Research (NIWA) Collaboration Meeting, 11/09/2011 - 12/09/2011, Wellington, Presenter(s): Roger Proctor

Proctor, R; Towards marine data citation in Australia; SCOR/IODE/MBLWHOI Library Workshop on Data Publication Meeting, 02/11/2011 - 04/11/2011, Liverpool, Presenter(s): Roger Proctor

Proctor, R; The AODN for WA Now, and future developments; WALIS Marine Group Meeting, 13/03/2012 - 13/03/2012, Perth, Presenter(s): Roger Proctor

Williams, S; High-resolution benthic survey using Autonomous Underwater Vehicles; Presentation at University of Rhode Island Graduate School of Engineering, 10/04/2012 - 10/04/2012, Kingston, Presenter(s): Stefan Williams

Proctor, R, Blain, P, Mancini, S; Oceans of data: the Australian Ocean Data Network; European Geosciences Union (EGU), 21/04/2012 - 27/04/2012, Vienna, Presenter(s): Roger Proctor

Proctor, R, Blain, P, Mancini, S; Oceans of Data: Australian Integrated Marine Observing System and the Australian Ocean Data Network; European Geophysical Union Annual Meeting, 23/04/2012 - 27/04/2012, Vienna, Presenter(s): Roger Proctor

Harcourt, R; The Australian Animal Tracking and monitoring System: an integral component of the Ocean Tracking Network; Canadian High Commission, 02/08/2012 - 02/08/2012, Canberra, Presenter(s): Rob Harcourt

Proctor, R; Why an Australian Ocean Data Network? ..and why would DSEWPAD be interested?; Marine Data Management Meeting, 21/08/2012 - 21/08/2012, University of Canberra, Canberra, Presenter(s): Roger Proctor

Kloser, R, Ryan, T, Downie, R, Lewis, M, Keith, G; Using commercial vessels to monitor deep-water fisheries and basin scale ecosystems; PICES 2012 Annual Meeting, 12/10/2012 - 21/10/2012, Hiroshima, Presenter(s): Rudy Kloser

Harcourt, R; The Australian Animal Tracking and Monitoring System: lessons for OTN?; International Scientific Advisory Committee Meeting, 19/11/2012 - 21/11/2012, Halifax, Presenter(s): Rob Harcourt

King, E, Brando, V; IMOS' optical remote sensing observations; BioOptical Working Group Meeting, Brisbane, Presenter(s): Edward King

Brando, V, Lovell, J, King, E, Keen, R, Daniel, P, McKenzie, D, Woodward, L, Palmer, R, Mills, D, Besnard, L, Slivkoff, M, Klonowski, W; Autonomous ship based ocean colour observations on Australian research vessels; International Ocean Colour Science Meeting, 06/05/2013 - 08/05/2013, Darmstadt, Presenter(s): Vittorio Brando

King, E, Brando, V, Clementson, L, Lovell, J, Franklin, H, Anstee, J, Besnard, L; Ocean colour in Australia's Integrated Marine Observing System; International Ocean Colour Science Meeting, 06/05/2013 - 08/05/2013, Darmstadt, Presenter(s): Edward King

Proctor, R; The SOOS(AODN) Infrastructure - Overview and Demonstration; SOOS Asian Workshop Data Management Subcommittee Meeting, 23/05/2013 - 24/05/2013, Shanghai, Presenter(s): Roger Proctor

Proctor, R, Pattiaratchi, C; Diving in the Southern Seas: the Australian National Facility for Ocean Gliders; GROOM - Gliders for Research, Ocean Observations and Management, 04/06/2013 - 05/06/2013, Trieste, Presenter(s): Roger Proctor

Wyatt, LR; Australia's Integrated Marine Observing System; OCEANS 2013 MTS/IEEE, 10/06/2013 - 13/06/2013, Bergen, Presenter(s): Lucy Wyatt

Wyatt, LR; Best practice in deployment and operation: capacity building; OCEANS 2013 MTS/IEEE, 10/06/2013 - 13/06/2013, Bergen, Presenter(s): Lucy Wyatt

Williams, S; The Australian Centre for Field Robotics Marine Robotics Program; Presentation at Woods Hole Oceanographic Institution Marine Robotics Centre, 12/06/2013 - 12/06/2013, Woods Hole Oceanographic Institute, Massachusetts, Presenter(s): Stefan Williams

Tilbrook, B, Steven, A, Akl, J, Berry, K, Lenton, A, Neill, C, et, al.; Seawater carbonate chemistry and acidification; Carbon Cluster Meeting, 28/11/2013 - 29/11/2013, Stradbroke Island, Presenter(s): Bronte Tilbrook

Clementson, L; The IMOS ocean colour sub-facility: a brief update on activities; IMOS Bio-Optical Working Group Meeting, 10/12/2013 - 10/12/2013, Hobart, Presenter(s): L Clementson

Hardman-Mountford, NJ, Clementson, L, Kelly, P, King, E, Mueller, H, Terhorst, A, Brando, V; Australian waters earth observation phytoplankton-type products; IMOS Bio-Optical Working Group Meeting, 10/12/2013 - 10/12/2013, Hobart, Presenter(s): Nick Hardman-Mountford

Antoine, D; Ocean colour activities within the Australian bio-optical community; 19th IOCCG Committee Meeting, 28/01/2014 - 30/01/2014, Cape Town, Presenter(s): David Antoine

Shadwick, E, Trull, T, Tilbrook, B, et, al.; Seasonality of biological and physical controls on surface CO2 from hourly observations at the Southern Ocean Time Series site, south of Australia; ACE-CRC Annual Symposium, 04/06/2014 - 04/06/2014, Hobart, Presenter(s): E Shadwick

Tilbrook, B; Carbon observing system requirements for the Southern Ocean; Southern Ocean Observing System 3rd Scientific Steering Committee Meeting, 18/06/2014 - 20/06/2014, Tromso, Presenter(s): Bronte Tilbrook

Hindell, MA, McMahon, C, Bester, M, Boehme, L, Costa, D, Fedak, M, Guinet, C, Herraiz-Borreguero, L, Harcourt, R, Huckstadt, L, Kovacs, K, Lydersen, C, McIntyre, T, Muelbert, M, Patterson, T, Roquet, F, Williams, G, Charrassin, J-B; Circumpolar habitat use in the southern elephant seal: implications for foraging success and population trajectories; SCAR Open Science Meeting, 23/08/2014 - 27/08/2014, Auckland, Presenter(s): Mark Hindell

Cancet, M, Watson, C, Haines, BJ, Bonnefond, P, Jeansou, E, Lyard, F, Femenias, P; Regional Cal/Val of Jason-2 and Envisat at three calibration sites: Corsica, Harvest and Bass Strait; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Mathilde Cancet

Griffin, DA, Schiller, A; MH370 - drift of potential debris: one of the most tragic and mysterious aviation disasters of all time; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): David Griffin

Watson, C, Haines, BJ, Bonnefond, P, White, N, Church, JA, Legresy, B, Beardsley, J; Long term absolute calibration from the Harvest, Corsica and Bass Strait sites; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Watson, C, White, N, Church, JA, King, M, Burgette, R; Assessing the rate of GMSL change over the satellite era; Ocean Surface Topography Science Team (OSTST) Meeting, 27/10/2014 - 31/10/2014, Lake Constance, Presenter(s): Chris Watson

Thornton, B; Habitat mapping using multi-resolution 3D visual seafloor reconstructions; Scientific Use of 3D Visual Seafloor Reconstructions (JAMSTEC), 12/03/2015 - 12/03/2015, James Cook University, Tokyo, Presenter(s): B Thornton

Williams, S; Monitoring changes in benthic ecosystems off the Australian coast using robotic platforms; Scientific Use of 3D Visual Seafloor Reconstructions (JAMSTEC), 12/03/2015 - 12/03/2015, James Cook University, Tokyo, Presenter(s): Stefan Williams

Beggs, H, Griffin, C, Majewski, L, Sisson, J; IMOS HRPT AVHRR SST validation; 16th GHRSSST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Beggs, H, Ignatov, A, Dash, P, et, al.; ST-VAL breakout session overview and inputs from ST-VAL; 16th GHRSSST Science Team Meeting, 20/07/2015 - 24/07/2015, Noordwyk, Presenter(s): Helen Beggs

Beggs, H, Griffin, C; Use of ACSPO VIIRS L3U SST in the Australian Bureau of Meteorology; Joint Polar Satellite System (JPSS) Annual Meeting, 24/08/2015 - 28/08/2015, College Park, Presenter(s): Alexander Ignatov

Sequeira, A, Rodriguez, J, et, al.; Comparative analysis of movement patterns of marine vertebrates; Enrichment in the Fall - Marine Megafauna Movement: exploring new technologies for a better understanding of animal movement across the ocean, 16/10/2015 - 24/10/2015, King Abdul University of Science and Technology, Jeddah, Presenter(s): Ana Sequeira

Thums, M, Fernandez-Gracia, J, Sequeira, A, Eguiluz, V, Duarte, CM, Meekan, MG; How big data and complex systems approaches can advance new technologies for a better understanding of animal movement across the ocean; Enrichment in the Fall - Marine Megafauna Movement: exploring new technologies for a better understanding of animal movement across the ocean, 16/10/2015 - 24/10/2015, King Abdul University of Science and Technology, Jeddah, Presenter(s): Michelle Thums

Griffin, DA; Operational Oceanography in support of the search for MH370; Ocean Surface Topography Science Team (OSTST) Meeting, 20/10/2015 - 23/10/2015, Reston, Presenter(s): David Griffin

Griffin, DA, Roughan, M; A frontal eddy intensively sampled at sea and overflowed by SARAL; Ocean Surface Topography Science Team (OSTST) Meeting, 20/10/2015 - 23/10/2015, Reston, Presenter(s): David Griffin

Roughan, M, Moltmann, T; IMOS; 6th Annual Meeting of the GODAE Ocean view Science Team (GOVST-VI), 02/11/2015 - 06/11/2015, Sydney, Presenter(s): Moninya Roughan

Harcourt, R, McMahon, C, Hoenner, X; Metadata standardization working group; 21st Biennial Conference on the Biology of Marine Mammals, 13/12/2015 - 18/12/2015, San Fransisco, Presenter(s): Rob Harcourt

Schroeder, T; Updates from the IMOS ocean colour sub-facility and the ANMN bio-optics project; QC Summit, 07/03/2016 - 11/06/2016, Hobart, Presenter(s): Thomas Schroeder

Proctor, R; IMOS ; NEII Reference Group Meeting , 12/04/2016 - 12/04/2016, Bureau of Meteorology Canberra, Canberra, Presenter(s): Roger Proctor

Blain, P; Journey into the AWS Cloud; Hobart Cloud Computing Meetup - Define Cloud for Me ..., 12/05/2016 - 12/05/2016, University of Tasmania, Hobart, Presenter(s): Peter Blain

Beggs, H, Griffin, C, Govekar, P; Use of ACSPO VIIRS L3U SST in the Australian Bureau of Meteorology; STAR JPSS 2016 Annual Science Team Meeting, 08/08/2016 - 12/08/2016, Maryland, Presenter(s): Helen Beggs

Proctor, R; Australia's Integrated Marine Observing System - MetOcean data for all; Maritime Industry Australia Ltd Environmental Masterclass, 28/09/2016 - 28/09/2016, Melbourne, Presenter(s): Roger Proctor

Blain, P; Elastic MapReduce and Satellite Remote Sensing data; Hobart Cloud Computing Meetup, 03/10/2016 - 03/10/2016, Hobart, Presenter(s): Peter Blain

Blain, P; The Integrated Marine Observing System - cloud migration; AWS Cloud Forum, 04/10/2016 - 04/10/2016, Hobart, Presenter(s): Peter Blain

Proctor, R; Australia's Integrated Marine Observing System: infrastructure for monitoring the state of our oceans - strengths and opportunities; British Oceanographic Data Centre, 17/10/2016 - 17/10/2016, Liverpool, Presenter(s): Roger Proctor

Proctor, R; AlgaRisk - a UK project to forecast HABs (plus developments thereafter); Harmful Algal Blooms research as a focus for the Integrate Marine Observing System, 21/11/2016 - 21/11/2016, Hobart, Presenter(s): Roger Proctor

Hardman-Mountford, NJ; Australian ocean colour activities; IOCCG-22 Comittee Meeting, 07/02/2017 - 09/02/2017, Perth, Presenter(s): Nick Hardman-Mountford

Jamet, C; Status report of IOCCG working groups, atmospheric correction in coastal waters; IOCCG-22 Comittee Meeting, 07/02/2017 - 09/02/2017, Perth, Presenter(s): Cedric Jamet

Lerebourg, C; Ocean colour validation using MERMAID and Level-3 inter-comparisons; Sentinel-3 Validation Team Meeting, 14/02/2017 - 17/02/2017, Frascati, Presenter(s): C Lerebourg

Blain, P; GeoNetwork and the Australian Ocean Data Network; GeoNetwork Community of Practice Meeting, 03/04/2017 - 03/04/2017, Canberra, Presenter(s): Peter Blain

Oke, PR; The upcoming marriage of Bluelink and Argo; Bluelink Science Meeting, 16/05/2017 - 17/05/2017, Melbourne, Presenter(s): Peter Oke

Galibert, G; IMOS Toolbox and ANMN internal discussion on Github; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

Galibert, G; IMOS toolbox QC protocol for temperature, salinity and pressure on moorings; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

Galibert, G; IMOS Toolbox update; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

Galibert, G; Product development for growing timeseries; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

Galibert, G; Review of the QUARTOD QC tests for ADCPs; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

Galibert, G; WQM's temperature, salinity, pressure and QC issues; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Guillaume Galibert

## **Plenary Address**

Malthus, T, Dekker, AG, Held, A; CSIRO agency report; 37th CEOS Working Group on Calibration and Validation Plenary, 17/02/2014 - 20/02/2014, Frascati, Presenter(s): Tim Malthus

Malthus, T; CSIRO agency report; 38th CEOS Working Group on Calibration and Validation Plenary, 30/09/2014 - 02/10/2014, Maryland, Presenter(s): Tim Malthus

Fetterplace, L, Taylor, M, Davis, A, Knott, N; The conservation of soft sediment fishes: the vast unknown; Ecological Society of Australia Conference, 29/11/2015 - 03/12/2015, Adelaide, Presenter(s): Lachlan Fetterplace

## **Session Chair**

Symposium Co-Chair - Turning Data Into Knowledge: Marine Data Management in Western Australia; Western Australian Land Information System (WALIS) Marine Group Forum - Turning Data Into Knowledge: Marine Data Management in Western Australia, 16/09/2010 - 16/09/2010, Perth, Presenter(s): Luke Edwards



Workshop Chair - Marine Information Infrastructure; Australia-EU Workshop on marine data information, 04/04/2011 - 05/04/2011, Brussels, Presenter(s): Roger Proctor

Proctor, R; Session co-chair Environment and Climate Change; Australia-EU Research Infrastructure Workshop, 26/06/2012 - 27/06/2012, Brussels, Presenter(s): Roger Proctor

Proctor, R; Session co-chair Environment and Climate Data Infrastructure; Global Data Infrastructure Workshop, 28/06/2012 - 28/06/2012, Brussels, Presenter(s): Roger Proctor

Ocean observing systems in the Asia-Oceania region - identifying gaps and opportunities; 13th Annual Meeting, Asia Oceania Geosciences Society (AOGS), 31/07/2016 - 05/08/2016, Beijing, Presenter(s): Roger Proctor

Marine environmental data bases: infrastructures and data access systems; International Conference on Marine Data and Information Systems (IMDIS), 11/10/2016 - 13/10/2016, Gdansk, Presenter(s): Roger Proctor

Atkins, N, Wang, J; Technical issues in linking environmental data; Linking environmental data and samples symposium, 29/05/2017 - 01/06/2017, Canberra, Presenter(s): Natalia Atkins, Jingbo Wang

Australian Vocabulary Special Interest Group (AVSIG) Meeting; Australian Vocabulary Special Interest Group (AVSIG) Meeting, 07/06/2017 - 07/06/2017, Hobart, Presenter(s): Kim Finney

### **Symposium Presentation**

Schiller, A, Brasseur, P, De Mey, P, Proctor, R, Verron, J; Key future research priorities in ocean forecasting; GODAE OceanView: from an experiment towards a long-term ocean analysis and forecasting, 12/11/2008 - 15/11/2008, Nice, Presenter(s): Andreas Schiller

Proctor, R; IMOS - the Australian Integrated Marine Observing System; Australia-China Symposium, 12/10/2009 - 16/10/2009, Guangzhou and Xiamen, Presenter(s): Roger Proctor

Bradford, RW, Hobday, A, Bruce, B; Identifying juvenile white shark behaviour from electronic tag data; International White Shark Symposium, 07/02/2010 - 10/02/2010, Honolulu, Presenter(s): Russell Bradford

Bruce, B; Research and conservation efforts on white sharks in Australian waters - current status and future directions; International White Shark Symposium, 07/02/2010 - 10/02/2010, Honolulu, Presenter(s): Bary Bruce

Proud, R, Cox, MJ, Wotherspoon, S, Brierly, A; Acoustic classification of meso-pelagic communities; ICES Annual Science Conference, 20/09/2010 - 24/09/2010, Nantes, Presenter(s): Roland Proud

Bradford, RW, Bruce, B, Boomer, A, Harcourt, R; The utility of broad-scale coastal sensor arrays in tracking continental scale movements of a top-order predator: Australia's tracking of white sharks; Biologging Science Symposium IV, 14/03/2011 - 18/03/2011, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Russell Bradford

Proctor, R; Australian initiatives in marine information infrastructure - the Integrated Marine Observing System and the Australian Ocean Data Network; European Strategy Forum on Research Infrastructures (ESFRI) "The Future of the 21st Century Ocean", 28/06/2011 - 30/06/2011, Brest, Presenter(s): Roger Proctor

Babcock, R, Francis, M; Regional acoustic tagging (Ocean Tracking network). Movements across the Tasman Sea: Australia New Zealand collaboration increasing the intelligence of both countries; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Russ Babcock

Babcock, R, Shears, N, Morrison, M; AUV Observations. The role of ocean climate in coastal ecosystems: sustained observing of benthic habitats; The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Russ Babcock

Proctor, R; IMOS and the AODN Information Infrastructure; Australia-NZ Symposium, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Roger Proctor

Proctor, R, Schmidt, J, Mackay, K; Information infrastructure (potential for NZ-AODN); The New Zealand-Australia Symposium in Ocean Observing and Data Management, 05/12/2011 - 06/12/2011, Hobart, Presenter(s): Roger Proctor

Richardson, A; Climate Change Ecology: seeing the big picture; CMAR Science Symposium - Science, Impacts, Possibilities, 20/03/2012 - 22/03/2012, Hobart, Presenter(s): Anthony Richardson

Edwards, L, Harrison, J; Collaborative and Automated Tools for Analysis of Marine Imagery and Video (CATAMI); AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Luke Edwards

Gunn, J; Observing systems for ocean biology and marine ecosystems: evolving from process/experimental observations to sustained global observing; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): John Gunn

Hill, K, Proctor, R, Moltmann, T, Blain, P, Mancini, S; Oceans of data : the Integrated Marine Observing System and the Australian Ocean Data Network; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Katy Hill

Kloser, R, Sutton, C, Ryan, T, Keith, G, Downing, R; Sampling micronekton at basin scales comparison of nets and acoustics; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Rudy Kloser

Schmidt, J, Mackay, K, Proctor, R, Blain, P, Mancini, S; Towards interoperability between Australian and New Zealand marine data; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Sebastien Mancini

Underwood, M, Kay, R; Observations following a decade of calibrating oceanographic instruments; AMSA-NZMSS (Australian Marine Sciences Association and New Zealand Marine Science Society) Conference, 01/07/2012 - 07/07/2012, Hobart, Presenter(s): Mark Underwood

Pizarro, O; Benthic monitoring with robotic platforms - the experience of Australia's Integrated Marine Observing System AUV Facility; International Symposium on Underwater Technology 2013, 05/03/2013 - 08/03/2013, Tokyo, Presenter(s): Oscar Pizarro

Proctor, R, Moltmann, T; IMOS- Contributing to building Australia's marine biodiversity atlas; Atlas of Living Australia ALA Science Symposium, 12/06/2013 - 13/06/2013, Canberra, Presenter(s): Roger Proctor

Griffin, DA; Australia's boundary currents: altimetry, in-situ and model estimates; ESA Living Planet Symposium, 09/10/2013 - 13/10/2013, Edinburgh, Presenter(s): David Griffin

Bahurel, P, Moltmann, T, Aikman, F; Current status of development of ocean environmental services; GODAE OceanView Symposium 2013, 04/11/2013 - 06/11/2013, Baltimore, Presenter(s): Pierre Bahurel

Harcourt, R; OTN and AATAMS: 5 years on and going strong; Ocean Tracking Network (OTN) Symposium, 02/06/2014 - 05/06/2014, Ottawa, Presenter(s): Rob Harcourt

Proctor, R, Hoenner, X, Tattersall, K, Berkhout, J, Stuart-Smith, R, Edgar, G; Reef life survey data access; ALA Symposium, 11/06/2014 - 12/06/2014, Canberra, Presenter(s): Roger Proctor

Moltmann, T, Llewellyn, L, Exon, N, Turner, I; Infrastructure Theme 8; National Marine Science Symposium, 25/11/2014 - 26/11/2014, Canberra, Presenter(s): Tim Moltmann

Downie, R, Kloser, R, Ryan, T; Characterising pelagic habitats at ocean basin scales in partnership with commercial fishers; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Ryan Downie

Kloser, R, Downie, R, Gershwin, L, Keith, G, Ryan, T, Sutton, C; Towards an acoustic derived mesopelagic biogeography of ocean basins; ICES Symposium on Marine Ecosystem Acoustics (SOME Acoustics), 25/05/2015 - 28/05/2015, Nantes, Presenter(s): Rudy Kloser

Proctor, R, Blain, P, Mancini, S; Open access to ocean observations in Australian waters: the Integrated Marine Observing System; Blue Planet Symposium, 27/05/2015 - 29/05/2015, Cairns, Presenter(s): Roger Proctor

Hindell, MA, Sumner, MD, Bestley, S, Wotherspoon, S, Harcourt, R, Lea, MA, Alderman, R, McMahon, C; Decadal changes in the habitats of southern elephant seals influence population trajectories; CLITOP 3rd Symposium, 14/09/2015 - 18/09/2015, San Sebastian, Presenter(s): Mark Hindell

Harcourt, R; Data citation: the good, the bad and the ugly; Referencing data in publications: principles, policy and practice, 28/10/2015 - 28/10/2015, Canberra, Presenter(s): Rob Harcourt

Ferrari, R, Boubee, T, Adam, A, Kobelkowsky-Vidrio, T, Byrne, M, Figueria, W; Quantifying coral growth and erosion using 3D models; 13th International Coral Reef Symposium (ICRS), 19/06/2016 - 24/06/2016, Hawaii, Presenter(s): Renata Ferrari

Lara-Lopez, A; IMOS role in satellite oceanography; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Ana Lara-Lopez

Lara-Lopez, A; International Impact: a perspective from Australia's Integrated Marine Observing System; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Ana Lara-Lopez

Malthus, T, Thankappan, M, Schroeder, T; Australian calibration/validation efforts; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Tim Malthus

Moltmann, T; Marine environmental information in Australia – how has NCRIS made a difference?; NCRIS Greater impact through environmental infrastructure symposium, 16/05/2017 - 18/05/2017, Canberra, Presenter(s): Tim Moltmann

## Webinar

Moltmann, T; Australia's Integrated Marine Observing System as a contribution to GOOS; GOOS Webinar, 19/08/2015 - 19/08/2015, Hobart, Presenter(s): Tim Moltmann

Atkins, N; IMOS perspectives on dynamic data citation; Dynamic Data Citation Interest Group (DDCIG), 01/12/2016 - 01/12/2016, Hobart, Presenter(s): Natalia Atkins

## Workshop Presentation

Proctor, R, Roberts, K, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; IMOS Data User Workshop, 30/06/2009 - 30/06/2009, University of Tasmania, Hobart, Presenter(s): Katy Hill, Sebastien Mancini, Roger Proctor, Kate Roberts, Katherine Tattersall, Brendon Ward

Proctor, R, Ward, BJ, Roberts, K, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; Australian Marine Science Association Conference, 05/07/2009 - 09/07/2009, Adelaide, Presenter(s): Sebastien Mancini, Roger Proctor, Kate Roberts, Katherine Tattersall, Brendon Ward

Proctor, R, Meyers, G, Brassington, GB, Moltmann, T, Oke, PR; IMOS and Bluelink, the Australian operational oceanographic systems; Workshop on designing, planning and implementing an operational oceanographic system for South Africa, 20/07/2009 - 22/07/2009, Cape Town, Presenter(s): Roger Proctor

King, E; The Australian Oceans DAAC - distributed gridded data delivery for marine research; IMOS Collaboration Workshop, 19/08/2009 - 19/08/2009, Hobart, Presenter(s): Edward King

Proctor, R; The Integrated Marine Observing System; NCRIS Collaboration Day, 19/08/2009 - 19/08/2009, Hobart, Presenter(s): Roger Proctor

Bainbridge, S; IMOS - Australia's Integrated Marine Observing System; Scientific Committee on Oceanic Research (SCOR) Workshop on Ocean Biology Observatories, 16/09/2009 - 18/09/2009, Mestre, Presenter(s): Scott Bainbridge

Proctor, R; Accessing IMOS data streams; WAMSI Data Management Workshop, 27/10/2009 - 28/10/2009, iVEC, Perth, Presenter(s): Roger Proctor

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S, Roberts, K; IMOS Ocean Portal; WAMSI Data Management Workshop, 27/10/2009 - 28/10/2009, iVEC, Perth, Presenter(s): Luke Edwards, Sebastien Mancini, Roger Proctor, Katherine Tattersall, Brendon Ward

Abecasis, D; Multispecies spatial dynamics under different protection levels: An evaluation of the effects and optimal design of the Luiz Saldanha Marine Park (Portugal); AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney, Presenter(s): David Abecasis

Bruce, B; Using acoustic telemetry to track the movements of white sharks; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney, Presenter(s): Bary Bruce

Crook, D; Diadromous migrations of short finned eels and tupong in Victorian coastal streams; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney, Presenter(s): D Crook

Duffy, C, Francis, M, Montgomery, J; Proposed acoustic array at Stewart Island; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Otway, N, Ellis, MT, Loudon, BM, Gilligan, JJ; Using acoustic telemetry to obtain experimental, observer-independent assessments of the effects of scuba diving on grey nurse sharks; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Pederson, H, Leith, A, Gillespie, W, Tracey, S, Forbes, E, Semmens, J, Field, IC; Identifying patterns and relationships in acoustic telemetry data through 4D data fusion and visualization; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Reinfelds, I, Walsh, CT; Magnitude, frequency and duration of environmental flows to stimulate catadromous fish migrations: Australian bass (*Macquaria novemaculeata*); AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Simpfendorfer, C; The joys of interpreting VR2 data; AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney, Presenter(s): Colin Simpfendorfer

Stokesbury, MJW; Update on the Ocean Tracking Network (OTN); AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney, Presenter(s): M Stokesbury

Williams, A, Daley, R; Listening in the deep sea: an array of VR2s that tracks movements of demersal sharks on the upper continental slope (200-700 m depths); AATAMS Data Workshop, 02/11/2009 - 04/11/2009, Sydney Institute for Marine Science, Sydney

Proctor, R, Ward, BJ, Roberts, K, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; IMOS Data User Workshop, 09/11/2009 - 09/11/2009, University of New South Wales, Sydney, Presenter(s): Sebastien Mancini, Roger Proctor, Kate Roberts, Katherine Tattersall, Brendon Ward

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; GODAE Oceanview Summer School, 11/01/2010 - 15/01/2010, University of Western Australia, Perth, Presenter(s): Sebastien Mancini, Roger Proctor

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; Australian Meteorological and Oceanographic Society (AMOS) Conference, 27/01/2010 - 29/01/2010, Canberra, Presenter(s): Patrick Gorringe, Roger Proctor, Kate Roberts, Katherine Tattersall

Dekker, AG; Earth observation for marine aquatic ecosystems in Australia, overview of current and near future capabilities; India-Australia Workshop on Remote Sensing of Marine Ecosystems, 18/03/2010 - 19/03/2010, Ahmedabad, Presenter(s): A Dekker

Schroeder, T, Brando, V, Cherukuru, N, Park, Y-J, Clementson, L, Blondeau-Patissier, D, Dekker, AG, Steven, A; CSIRO's new remote sensing algorithms for quality assessment in optically complex waters; Indian-Australian Ocean Colour Workshop, 18/03/2010 - 19/03/2010, Ahmedabad, Presenter(s): Thomas Schroeder

Proctor, R; The Integrated Marine Observing System (activity update); EU-Australian Research Infrastructure Workshop, 07/06/2010 - 07/06/2010, University of New South Wales, Sydney, Presenter(s): Roger Proctor

King, E; IMOS Satellite Remote Sensing; Optical Remote Sensing Workshop, AMSA, 08/07/2010 - 08/07/2010, Woolongong, Presenter(s): Edward King

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; IMOS Data User Workshop, 16/07/2010 - 16/07/2010, Woolongong, Presenter(s): Laurent Besnard, Patrick Gorringe, Roger Proctor, Katherine Tattersall, Brendon Ward

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; IMOS Data User Workshop, 26/07/2010 - 26/07/2010, University of Queensland, Brisbane, Presenter(s): Laurent Besnard, Roger Proctor, Katherine Tattersall, Brendon Ward

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S; IMOS Ocean Portal; IMOS Data User Workshop, 27/07/2010 - 27/07/2010, James Cook University, Townsville, Presenter(s): Roger Proctor, Katherine Tattersall, Brendon Ward

King, E; IMOS Satellite Remote Sensing; CSIRO Earth Observation Workshop, 31/08/2010 - 31/08/2010, Canberra, Presenter(s): Edward King

Proctor, R; Integrated Marine Observing System (IMOS) and the Australian Ocean Data Network (AODN); Coast to Coast Conference Workshop - Australian Coastal Observatory, 21/09/2010 - 22/09/2010, Adelaide, Presenter(s): Roger Proctor

Brando, V; Past, current and planned activities in Ocean Colour Cal/Val in Australia; IOCCG Ocean Colour Radiometry-Virtual Constellation (OCR-VC) Workshop, 21/10/2010 - 21/10/2010, Ispra, Presenter(s): Vittorio Brando

Roberts, K; Saying what you mean: Developing controlled vocabulary services for Australian research; Geoscience Australia Standards Meeting, 04/11/2010 - 15/11/2010, Geoscience Australia, Canberra, Presenter(s): Kate Roberts

Roberts, K; Standards based information sharing networks; Geoscience Australia Standards Meeting, 04/11/2010 - 15/11/2010, Geoscience Australia, Canberra, Presenter(s): Kate Roberts

Hosie, G, McLeod, DJ; SCAR Expert Group on CPR Research; Southern Ocean CPR Standards Workshop, 22/11/2010 - 26/11/2010, Tokyo, Presenter(s): Graham Hosie, David McLeod

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S, Besnard, L; IMOS Ocean Portal; WAIMOS Science & Data Uptake Workshop, 25/02/2011 - 25/02/2011, University of Western Australia, Perth, Presenter(s): Laurent Besnard, Luke Edwards, Roger Proctor, Katherine Tattersall

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S, Besnard, L; IMOS Ocean Portal; IMOS Data User Workshop, 09/05/2011 - 09/05/2011, University of Tasmania, Hobart, Presenter(s): Laurent Besnard, Sebastien Mancini, Katherine Tattersall

Proctor, R, Ward, BJ, Hope, J, Tattersall, K, Mancini, S, Besnard, L; IMOS Ocean Portal; NSW-IMOS Node Meeting, 12/05/2011 - 12/05/2011, University of Technology Sydney, Sydney, Presenter(s): Laurent Besnard, Katherine Tattersall, Andrew Walsh

Pattiaratchi, C; An introduction to the Australian glider programme; Ocean University of China Seminar, 30/08/2011 - 30/08/2011, Qingdao, Presenter(s): Charitha Pattiaratchi

Tilbrook, B; Observing networks: Sensors and Platforms; Surface Ocean CO2 Data to Flux, UNESCO, 12/09/2011 - 13/09/2011, Paris, Presenter(s): Bronte Tilbrook

Lynch, T; QC of data for the IMOS facility the ANMN; COL-NASA Data QC/QA Workshop, 06/06/2012 - 08/06/2012, Maine, Presenter(s): Tim Lynch

Atwater, DP; SeaSonde Quality Control: A First Approach; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): Dan Atwater

Griffin, DA; How ACORN data is shown on the IMOS OceanCurrent website; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): David Griffin

Mancini, S; The data portal; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): Sebastien Mancini

Prytz, A; WERA processing and quality control; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): Arnstein Prytz

Wyatt, LR; Introduction to oceanographic HF radar; ACORN Workshop, 14/06/2012 - 15/06/2012, James Cook University, Townsville, Presenter(s): Lucy Wyatt

Proctor, R; Australia's Integrated Marine Observing System (IMOS) ABOS and OceanSITES; Australia-EU Research Infrastructure Workshop, 26/06/2012 - 27/06/2012, Brussels, Presenter(s): Roger Proctor

Proctor, R; Australia's Integrated Marine Observing System (IMOS) and beyond; Australia-EU Research Infrastructure Workshop, 26/06/2012 - 27/06/2012, Brussels, Presenter(s): Roger Proctor

Proctor, R; Integrated Marine Observing System; Delivering a linked, spatially enabled, Australian information infrastructure workshop, 22/08/2012 - 23/08/2012, University of Canberra, Canberra, Presenter(s): Roger Proctor

Griffin, DA, Oke, PR; Ocean forecasting and hindcasting: the importance of remote sensing; 3rd Oil and Gas Earth Observation Group Workshop, 14/09/2012 - 14/09/2012, Perth, Presenter(s): David Griffin

Craig, P, Brassington, GB, Haynes, J, Schiller, A, Pugh, TF, Sandery, PA, Oke, PR, Symonds, G; BLUElink - status, challenges and future; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Peter Craig

Griffin, DA; Remote sensing: observing a big country; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): David Griffin

Proctor, R, Blain, P, Mancini, S; IMOS/AODN ocean portal: tools for data delivery; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Roger Proctor

Proctor, R, Oke, PR, Davey, B, Rosebrock, U; A marine virtual laboratory and information system applicable to coastal seas; Australian Coastal Ocean Modelling and Observations - ACOMO, 03/10/2012 - 04/10/2012, Canberra, Presenter(s): Roger Proctor

Jacobs, C, Wyborn, L, Proctor, R, Evans, B; Birds of a Feather: Extending the EarthCube Concept Internationally; eResearch Australasia, 20/10/2012 - 25/10/2012, Brisbane, Presenter(s): Ben Evans, Cliff Jacobs, Roger Proctor, Lesley Wyborn

Jacobs, C, Wyborn, L, Proctor, R, Evans, B; Bringing existing global earth and environmental cyberinfrastructures into a common framework ; eResearch Australasia, 20/10/2012 - 25/10/2012, Brisbane, Presenter(s): Roger Proctor

Hoenner, X; Introduction to IMOS; 10th Advanced Phytoplankton Course: Taxonomy and Systematics, 12/11/2012 - 30/11/2012, Copenhagen, Presenter(s): Xavier Hoenner

King, E, Brando, V; IMOS optical remote sensing observations; BioOptical Working Group Meeting, Brisbane, Presenter(s): Edward King

Williams, S, Pizarro, O, Bryson, M, Johnson-Robertson, M, Steinberg, D, Friedman, A; Autonomous Underwater Vehicle monitoring of benthic reference sites; Workshop on Marine Robotics: Looking into the Crystal Ball: 20 years hence in Marine Robotics, 11/02/2013 - 13/02/2013, Canary Islands, Presenter(s): Stefan Williams

Williams, S; AUVs for environmental monitoring; Workshop on Acoustic and Automated Video Processing, 11/06/2013 - 12/06/2013, Commonwealth Scientific Industrial Research Organisation, Hobart, Presenter(s): Stefan Williams

Tilbrook, B, Nojiri, Y, Steven, A, Mongin, M, Lenton, A, Matear, R; Seawater carbonate chemistry and ocean acidification; Japan-Australia Marine Science Workshop, 11/07/2013 - 12/07/2013, Tokyo, Presenter(s): Bronte Tilbrook

Tilbrook, B; Observing ocean acidification and its impacts in the Southern Ocean; 2nd International Workshop to Develop an Ocean Acidification Observing Network of Ship Surveys, Moorings, Floats and Gliders, 24/07/2013 - 26/07/2013, St. Andrews, Presenter(s): Bronte Tilbrook

Moltmann, T; Sensor systems for marine biosecurity - perspectives from Australia's Integrated Marine Observing System; CSIRO Marine Biosecurity Workshop, 30/07/2013 - 31/07/2013, Hobart, Presenter(s): Tim Moltmann

Proctor, R, Galibert, G, Atkins, N; Data management and manipulation; Big Data Workshop, 03/09/2013 - 04/09/2013, University of Tasmania, Hobart, Presenter(s): Roger Proctor

Hidas, MG; Ocean acidification data on the IMOS portal: how to access the data?; Southern Ocean Acidification Workshop, 23/09/2013 - 23/09/2013, Australian Antarctic Division, Hobart, Presenter(s): Marty Hidas

Hardman-Mountford, NJ, Clementson, L, Kelly, P, King, E, Mueller, H, Terhorst, A, Brando, V; Australian Waters Earth Observation Phytoplankton-type products; CSIRO Earth Observation Workshop, 24/09/2013 - 25/09/2013, Canberra, Presenter(s): Nick Hardman-Mountford

Cahill, M; Ocean currents near Heron Island, Great Barrier Reef, as observed using altimetry, in-situ current meters and HF radar; 7th Coastal Altimetry Workshop, 07/10/2013 - 08/10/2013, Boulder, Presenter(s): Madeleine Cahill

Dwyer, D; Assisting in the management, analysis and visualisation of acoustic telemetry data: current tools and new developments in the V-Track software; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Dan Dwyer

Harcourt, R; Observing the world's oceans: Australia's role in the OTN through AATAMS; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Rob Harcourt

Proctor, R, Donoghue, S; IMOS data users workshop; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Roger Proctor

Proctor, R; IMOS in the context of GOOS; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Roger Proctor

Simpfendorfer, C; Measures of activity space in acoustic monitoring studies; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Colin Simpfendorfer

Whoriskey, F; The Ocean Tracking Network; AATAMS Workshop, 12/11/2013 - 14/11/2013, North Stradbroke Island, Presenter(s): Fred Whoriskey

Tilbrook, B; Defining essential ocean variables for biogeochemistry; First Technical Experts Workshop of the GOOS Biology and Ecosystem, and GOOS Biogeochemistry Panel, 13/11/2013 - 16/11/2013, Townsville, Presenter(s): Bronte Tilbrook

Proctor, R; IMOS - monitoring across all domains; UWA Oceans Institute 'Ocean Solutions Dialogues' Workshop 4: Effective Marine Monitoring, 21/11/2013 - 21/11/2013, University of Western Australia, Perth, Presenter(s): Roger Proctor

Mancini, S, Bainbridge, S, Proctor, R; ODIP Prototype 3: establishing a prototype for a sensor observation service (SOS) for selected sensors (SWE) installed on research vessels and in real-time monitoring systems; Ocean Data Interoperability Platform (ODIP) Workshop, 03/12/2013 - 06/12/2013, Scripps Institution of Oceanography, San Diego, Presenter(s): Sebastien Mancini

Mancini, S, Proctor, R; ODIP Prototype 1: Australian Ocean Data Network (AODN); Ocean Data Interoperability Platform (ODIP) Workshop, 03/12/2013 - 06/12/2013, Scripps Institution of Oceanography, San Diego, Presenter(s): Sebastien Mancini

Tilbrook, B; The Southern Ocean Observing System; Partnership for Observation of the Global Oceans (POGO), 21/01/2014 - 24/01/2014, Hobart, Presenter(s): Bronte Tilbrook

Tyler, J; Australia's Integrated Marine Observing System; Partnership for Observation of the Global Oceans (POGO), 21/01/2014 - 24/01/2014, Hobart, Presenter(s): Jess Tyler

Tilbrook, B, Steven, A, Akl, J, Berry, K, Lenton, A, Neill, C, et, al.; Overview of seawater carbonate chemistry and acidification research in IMOS and other projects for Australia; Ocean Acidification Workshop, 18/02/2014 - 18/02/2014, Hobart, Presenter(s): Bronte Tilbrook

Proctor, R; ODIP and Prototype-3; Australian Sensor Observation Service Workshop, 26/02/2014 - 26/02/2014, Institute of Marine and Antarctic Studies, Hobart, Presenter(s): Roger Proctor

Tran, M, Anderson, T, Booth, D, Althaus, F, et, al.; A review of scoring methods for underwater video and still imagery; Marine Imaging Workshop, 07/04/2014 - 10/04/2014, Southampton, Presenter(s): M Tran

Proctor, R; ODIP Prototype 3 update; ODIP Splinter Group Workshop, 30/04/2014 - 30/04/2014, Vienna, Presenter(s): Roger Proctor

Friedman, A; Developments in marine image processing - standards, automated, data management; GeoHab 2014 Workshop: Ground-validation for remotely sensed marine habitat mapping and species distribution modelling, 05/05/2014 - 05/05/2014, Melbourne, Presenter(s): Ariell Friedman

Pizarro, O, Williams, S; Developments in sampling tools and techniques; GeoHab 2014 Workshop: Ground-validation for remotely sensed marine habitat mapping and species distribution modelling, 05/05/2014 - 05/05/2014, Melbourne, Presenter(s): Oscar Pizarro, Stefan Williams

Wyatt, LR; Latest results from the Australian Coastal Ocean Radar Network; Radiowave Oceanography Workshop (ROW), 11/05/2014 - 15/05/2014, Savannah, Presenter(s): Lucy Wyatt

Hoenner, X; IMOS data users workshop; Tapping into IMOS: A User Day for Biologists, 20/05/2014 - 20/05/2014, Sydney Institute for Marine Science, Sydney, Presenter(s): Xavier Hoenner

Proctor, R; Marine Virtual Laboratory; Nectar Research Software Projects Workshop, 25/06/2014 - 27/06/2014, University of Melbourne, Melbourne, Presenter(s): Roger Proctor

Schroeder, T; Ocean colour remote sensing from geo-stationary orbit: potential applications for AHI on Himawari-8; Joint Japan-Australia Workshop, 28/11/2014 - 28/11/2014, Tokyo, Presenter(s): Thomas Schroeder

Proctor, R; Marine Virtual Laboratory; NeCTAR Research Software Infrastructure Workshop, 03/03/2015 - 05/03/2015, Melbourne, Presenter(s): Roger Proctor

Proctor, R; Australia's Marine Virtual Laboratory - A shelf seas data collection of use to ANSR?; Australian National Shelf Seas Reanalysis Workshop, 10/03/2015 - 12/03/2015, Melbourne, Presenter(s): Roger Proctor

Moltmann, T; Integrated marine observing and data management; Practical steps to implementation of integrated marine management, 13/04/2015 - 15/04/2015, South Australian Research and Development Institute, Adelaide, Presenter(s): Tim Moltmann

Williams, S; Reflections on a decade of Autonomous Underwater Vehicles for marine survey; IFAC workshop on navigation, guidance, control of underwater vehicles, 28/04/2015 - 30/04/2015, Girona, Presenter(s): Stefan Williams

Proctor, R; MARVL presentation ; ARCCSS Winter School, 18/06/2015 - 18/06/2015, Hobart, Presenter(s): Roger Proctor

van Dongen-Vogels, V, Doblin, MA; Outcomes and lessons from the CSIRO coastal and marine biogeochemical carbon cluster; IMOS Bio-Optical Working Group Workshop, 01/07/2015 - 03/07/2015, Perth, Presenter(s): Virginie van Dongen-Vogels

Galibert, G; IMOS Matlab Toolbox; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Guillaume Galibert

McAllister, F, Galibert, G; IMOS Toolbox and deployment database; Australian Marine Science Association Conference, 05/07/2015 - 09/07/2015, Geelong, Presenter(s): Guillaume Galibert, Kristy McAllister

Schroeder, T; Coastal applications and IMOS validation support from Himawari-8; Japan-Australia Workshop on non-meteorological applications from geo-stationary satellite data, 25/08/2015 - 26/08/2015, Brisbane, Presenter(s): Thomas Schroeder

Hoenner, X; The Integrated Marine Observing System: ocean observations to understand ecosystem responses to climate change; AATAMS Biennial Workshop, 15/10/2015 - 15/10/2015, Sydney, Presenter(s): Xavier Hoenner

Knott, N, Ferguson, A, Fetterplace, L, Marzullo, T, Bass, N, Brown, CJ, Suthers, I, Harvey, ES, Davis, A, Taylor, M; Movement of fishes among reefs and over soft sediments within a temperate embayment: the necessity and implication of movement data for spatial management; AATAMS Biennial Workshop, 15/10/2015 - 15/10/2015, Sydney, Presenter(s): Nathan Knott

Cahill, M; Monitoring coastal upwelling using altimetry: a feasibility study; 9th Coastal Altimetry Workshop, 18/10/2015 - 19/10/2015, Reston, Presenter(s): Madeleine Cahill

Zhang, H, Beggs, H, Majewski, L, Wang, XH, Kiss, A; Investigating sea surface temperature diurnal variation over the tropical warm pool using MTSAT-1R data; Centre for Australian Weather and Climate Research (CAWCR) Annual Workshop, 19/10/2015 - 22/10/2015, Bureau of Meteorology, Melbourne, Presenter(s): Haifeng Zhang

Middleditch, A, Wyatt, LR, James, C; Wave measurements from the Australian Coastal Ocean Radar Network; Radiowave Oceanography Workshop Meeting, 04/11/2015 - 06/11/2015, Woods Hole Oceanographic Institute, Massachusetts, Presenter(s): Andrew Middleditch

Beggs, H, Majewski, L, Griffin, C, Zhong, A, Qi, L; Australian GHRSSST products and verification; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Helen Beggs

Beggs, H; Which SST product should I use?; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Helen Beggs

Besnard, L; Extracting and sub-setting SRS datasets from the IMOS Ocean Portal; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Laurent Besnard

Besnard, L; Hands on demonstration of useful ocean satellite data manipulation tools/portals; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Laurent Besnard

Cahill, M; Altimetry in coastal regions; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Madeleine Cahill

Cahill, M; The OceanCurrent Website; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Madeleine Cahill

Griffin, DA; Remote sensing at work in Australia's ocean territories; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): David Griffin

Zhang, H, Beggs, H, Majewski, L, Wang, XH, Kiss, A, Griffin, C; Investigating SST diurnal variation over the tropical warm pool using IMOS-GHRSSST products; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Haifeng Zhang

Zhu, X, Minnett, P, Berkelmans, R, Beggs, H, Majewski, L, Kruger, G; Testing satellite SST capability to capture thermal features and diurnal warming on the Great Barrier Reef; Satellite Oceanography Users Workshop, 09/11/2015 - 11/11/2015, Melbourne, Presenter(s): Xiaofang Zhu



Jamet, C; Evaluation of atmospheric correction over complex turbid waters; European Space Agency Colour and Light in the Ocean from EO Workshop, 06/09/2016 - 06/09/2016, Frascati, Presenter(s): Cedric Jamet

Cosoli, S; The ACORN radar network: adopted practices, QAQC approaches and critical points; INCREASE (Innovation and Networking for the integration of Coastal Radars into European Marine Services) HF Radar experts workshop, 13/09/2016 - 15/09/2016, Lerici, Presenter(s): Simone Cosoli

Moltmann, T, Gunn, J, Flynn, J, Schiller, A, Proctor, R, Oke, PR, Roughan, M, Jones, EM; A national ocean modelling system for Australia - what could it look like?; Australian Coastal and Oceans Modelling and Observations (ACOMO) Workshop, 11/10/2016 - 12/10/2016, Canberra, Presenter(s): Tim Moltmann

Proctor, R, et, al.; Australia's Marine Virtual Laboratory, MARVL: enabling efficient ocean model configuration; 2016 ROMS Asia-Pacific Workshop, 17/10/2016 - 20/10/2016, Hobart, Presenter(s): Roger Proctor

Lara-Lopez, A, Moltmann, T; HABs research as a focus for IMOS; Alliance for Coastal Technologies Workshop: "SENSORS FOR MONITORING OF HARMFUL ALGAE, CYANOBACTERIA AND THEIR TOXINS – Current Status and Integration Into Observing Systems", 30/01/2017 - 30/01/2017, Moss Landing, Presenter(s): Ana Lara-Lopez

Pizarro, O; Autonomous benthic monitoring downunder; Marine Imaging Workshop, 21/02/2017 - 21/02/2017, Kiel, Presenter(s): Oscar Pizarro

Friedman, A; An online platform for exploration, management and annotation of georeferenced images and videos; Marine Imaging Workshop, 22/02/2017 - 22/02/2017, Kiel, Presenter(s): Ariell Friedman

Galibert, G; A practical introduction to the AODN portal; Topics in Australian Marine Science (TAMS) Workshop, 02/03/2017 - 02/03/2017, Sydney Institute for Marine Science, Sydney, Presenter(s): Guillaume Galibert

Mancini, S; Enhancing user access to oceanographic data through commercial cloud services; Ocean Data Interoperability Platform (ODIP) II 3rd Workshop , 07/03/2017 - 10/03/2017, Hobart, Presenter(s): Sebastien Mancini

Mancini, S, Finney, K, Proctor, R, Atkins, N; Managing Australian Ocean Data Network (AODN) vocabularies; Ocean Data Interoperability Platform (ODIP) II 3rd Workshop , 07/03/2017 - 10/03/2017, Hobart, Presenter(s): Sebastien Mancini

Proctor, R, Davey, B, Guru, S, Friedman, A, Langlois, TJ, Dharmawardena, K; The Australian marine sciences cloud; Ocean Data Interoperability Platform (ODIP) II 3rd Workshop , 07/03/2017 - 10/03/2017, Hobart, Presenter(s): Roger Proctor

Proctor, R, Wilkinson, R; International research data partnering; Ocean Data Interoperability Platform (ODIP) II 3rd Workshop , 07/03/2017 - 10/03/2017, Hobart, Presenter(s): Roger Proctor

Williams, S; Applications in marine imaging: engineering science, ecology, archaeology and geology; Singapore AUV Challenge, 13/03/2017 - 13/03/2017, Singapore, Presenter(s): Stefan Williams

Proctor, R; A contribution to ocean data interoperability - Australian Ocean Data Network and the Ocean Data Interoperability Platform; CSIRO Digital Coast Community of Practice Workshop, 11/04/2017 - 11/04/2017, Hobart, Presenter(s): Roger Proctor

Doubell, M; Review of FLNTU fluorescence calibration methods for IMOS moorings; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Mark Doubell

James, C; ADCP applications: modelling; QA, QC and Product Summit, 05/06/2017 - 09/06/2017, South Australian Research and Development Institute, Adelaide, Presenter(s): Charles James

Harcourt, R; Trials and tribulations in the design and implementation of a national acoustic receiver network; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Rob Harcourt

Hoenner, X; A new quality-control procedure for Australia's IMOS acoustic database ; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Xavier Hoenner

Jaine, F; IMOS Animal Tracking Facility: Database status and updates; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Fabrice Jaine

McDowall, P, Van Den Broek, J; IMOS Animal Tracking Facility: Logistical and Technical perspective; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Phil McDowall

Stanley, D; IMOS mobile tracking: towards acoustic receivers on IMOS Ocean Gliders; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Dennis Stanley

Udyawer, V; Standardising the analysis of acoustic telemetry data to enable continental-scale and multi-species comparisons; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Vinay Udyawer

Whoriskey, F; Australia in the Ocean Tracking Network; 7th National IMOS Acoustic Tracking Workshop, 17/06/2017 - 17/06/2017, Cairns, Presenter(s): Fred Whoriskey

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