

## Education/Qualifications

Ph.D. Coral Reef Ecology –  
University of London, Marine  
Biological Station Millport (Sep 2003  
– 2007, awarded in 2009). Thesis  
titled [\*Mechanisms of Recovery on a  
Kenyan Coral Reef\*](#).

M.Sc. Conservation – University  
College London (Sept 2001- October  
2002)

B.Sc. (Hons) Environmental Biology  
and Environmental Management –  
University of York, England (1997-  
2000)

## Certifications

PADI Divemaster (>2000 dives)

Senior First Aid

Medic First Aid© Supplemental  
Oxygen Provider

TBOSIET Certification

## Dr. Ade Lambo

I am a marine scientist and environmental consultant with significant experience in marine ecology and environmental management. I hold post-graduate qualifications in conservation and marine ecology and have significant experience leading teams of multi-disciplinary environmental scientists.

During my career, I have primarily been involved in the provision of technical advice, project management and operational leadership within multidisciplinary environmental consultancies.

I have had the opportunity to work across a wide range of industries and geographies, particularly in the Middle East (UAE, Saudi Arabia and Qatar), South-East Asia (Philippines, Malaysia, Indonesia, Singapore and Timor-Leste), Africa (Morocco, Mozambique, Kenya, Senegal and Egypt) and closer to home across most of Australia.

## Key attributes

- Strong technical academic and professional background in marine ecology, environmental approvals, and environmental management
- Extensive field operational leadership and management
- Practical project and financial governance experience
- Significant international field work and impact assessment experience

## Recent Employment history

### Principal Consultant – Carnax Consulting (March 2023 – Present)

Carnax Consulting is an independent marine and environmental services consulting business, focused on providing robust ecological and environmental approvals support for clients across a range of industries and geographies. Specific areas of expertise include marine science, offshore and nearshore environmental approvals, survey design and implementation, as well as World Bank/IFC compliant impact assessments.

### Global Principal – Jacobs (2015 – March 2023)

I served as the Global Principal for Biology and Ecology at Jacobs. This is a senior leadership position within Jacobs' Market Solutions organisation. In this role, I was responsible for contributing to strategy and key market growth, promoting innovation, facilitating connectivity, mentoring and upholding technical delivery excellence for our global biology and ecology practice, which consisted of over 600 scientists across our global businesses. In addition, the role provided me with insight into our project delivery across the world, allowing me to engage and liaise with our local biologists and ecologists in different regions.

In addition to my global role, I was a Principal within our regional environmental solutions business, primarily involved in the provision of marine environmental technical consulting and project management for a range of resource and infrastructure clients within Asia-Pacific and the Middle East.

### Director and Principal Marine Scientist – Geo Oceans (2012-2014)

As the Principal Marine Scientist, I was primarily responsible for all aspects of the delivery of our marine environmental projects, including business development, bid preparation, project management, field work and reporting. I supported the growth of the business from a start-up to a successful player in the regional marine survey and environmental consulting market, executing projects for major organisations, including Chevron (Thevenard Island decommissioning project), Shell (Brunei – Rigs to Reefs), INPEX (Abadi Gas Development and Darwin Harbour Seagrass monitoring), Department of Defence (Garden Island Seagrass monitoring and Department of Transport (Augusta Boat Harbour Benthic monitoring).

**Executive Marine Environmental Scientist and Team Leader – Jacobs (previously SKM), Perth (November 2009- 2012):**

I was an Executive Consultant in our marine and coastal science group in Perth. My role primarily involved project managing and leading environmental approvals and marine studies for large-scale dredging, coastal development and offshore exploration activities within Western Australia.

**Senior Marine Environmental Scientist – URS Corporation, Abu Dhabi (Jan 2007 – November 2009):**

I established and led the marine and coastal science team within URS's multi-disciplinary environmental services group in Abu Dhabi, U.A.E. This included managing a group of three marine scientists, coordinating project tasks, undertaking performance reviews and acting as a mentor for recent additions to the team. I grew the team from inception to a team of four, successfully undertaking marine surveys and studies across the Middle East region.

**Select Project Experience**

**Submarine Cable Project**

I supported the Assessment of Environmental Effects for a proposed submarine cable, linking the east coast of Australia to the South Island of New Zealand, through the provision of technical marine environmental/approvals advice and review.

**Rovuma LNG Development – Mozambique, Africa**

I lead the marine environmental aspects for a comprehensive Biodiversity Management Plan for the Rovuma LNG development in Mozambique, including consideration of significant dredging and pipeline installation activities. The plan focused on the protection of nearshore critical habitat (seagrass beds, mangroves and coral reef communities), aligning with the requirements of the IFC's Performance Standard 6, as well as local regulations.

**Westport Stage 3 – Perth, Western Australia**

The Westport Program is the State Government's long-term program to investigate, plan and build a future port in Kwinana. As part of this planning process, Westport has partnered with the Western Australian Marine Science Institute (WAMSI) to deliver a \$13.5 million comprehensive Marine Science Program. I am currently engaged by Westport to support the implementation of the marine science program, working collaboratively with WAMSI and other consultants to deliver a timely and robust scientific basis for the Stage 3 design process, environmental approvals and to inform enduring mitigation strategies to ensure that ecosystem health is maintained for future generations in Cockburn Sound.

**Chevron Jansz-lo Gas Compression Project – Perth, Western Australia**

I am currently engaged by Chevron on the Jansz-lo Gas Compression Project to provide specialist marine environmental studies and approvals support for the project.

**Northern Water Project – South Australia**

I supported Infrastructure South Australia (ISA) to provide technical advisory and quality assurance services for the marine environmental aspects of the Northern Water Project. This includes supporting the ISA delivery team with technical advice and reviews of third-party documentation (i.e. studies and EIS documentation).

**Marine Jetties and Boat Ramp Upgrade Program – South Australia**

As part of the SA Government's commitment to upgrade a range of metropolitan and regional jetties, boat ramps and boating facilities, I provided technical marine environmental support for the delivery of environmental approvals and studies associated with several of these facilities across the state.

### **Management of mercury when decommissioning offshore petroleum infrastructure – Department of Industry, Science and Resources**

I partnered with Marsden Jacob Associates to support the Commonwealth Department of Industry, Science and Resources' Roadmap to establish an Australian decommissioning industry for offshore oil and gas, through a review of mercury contamination within decommissioned offshore infrastructure.

#### **Cribb Point LNG Import Facility (AGL) - Victoria**

I provided technical advice and reviews for the marine studies and approvals documentation for the proposed AGL FSRU LNG import facility at Cribb Point, Western Port. This included close coordination with Jacobs' planning team and specialist subcontractors based in Melbourne.

#### **Port Hedland Channel Risk and Optimisation (PHPA) - Western Australia**

I was responsible for the field operations planning and execution of a sediment sampling SAP implementation survey within the inner harbour, shipping channel and spoil ground off Port Hedland.

#### **Temaiku Land and Urban Development Project Feasibility Investigations (NZ MFAT) - Tarawa, Republic of Kiribati**

I served as the technical lead for the marine aspects of the proposed large-scale dredging and reclamation project on Tarawa Island within the Republic of Kiribati in the South Pacific.

#### **Northwest Cable System, Tiwi Islands branch (Vocus Group) - Australia**

I provided technical environmental support for the initial design and environmental constraints study for a proposed fibre optic cable branching off the existing NWCS, linking Darwin and the Tiwi Islands. Support included a site visit and stakeholder engagement support to Pirlangimpi on Melville Island.

#### **Northern Water Supply – South Australia**

As part of an early environmental technical assessment and constraints analysis, I was responsible for the marine environmental aspects of the assessment for the initial Northern Water Supply project, within South Australia, including an analysis of different sites for the project facilities.

#### **Offshore Wind Project – Australia**

I was engaged to support a proposed offshore wind developer during their feasibility licence application phase, providing advice and support, including early risk assessments and technical reviews of third-party deliverables.

#### **Confidential Iron Ore Project – Pilbara, Western Australia**

I lead the marine environmental aspects of a technical due diligence process for a proposed iron ore development within the Pilbara. The marine infrastructure involved a port facility, dredging and a desalination plant.

#### **NEOM Oxagon Development (NEOM) - Red Sea, Saudi Arabia**

I was extensively involved in leading and supporting the ESIA and studies associated with the planning and development of the key infrastructure for the Oxagon Development at NEOM.

In this role, I have served as the package manager for the ESIA of the desalination plant at Oxagon Industrial City, as well as marine technical lead for several of the other infrastructure packages, including the port and rail interconnector projects. All ESIA were delivered taking into consideration World Bank/IFC requirements.

#### **Triple Bay Development (AMAALA) - Red Sea, Saudi Arabia**

I was the technical marine environmental lead for the Triple Bay beach nourishment project, supporting the technical and environmental assessment of the proposed beach nourishment process, including potential borrow areas.

#### **Browse to Northwest Shelf Project (Woodside) - Western Australia**

I was the primary author for the impact assessment section of Woodside's Browse to Northwest Shelf Project environmental impact statement. The project included consideration and assessment of the full field

development of the Browse fields, including the installation of subsea infrastructure, two FPSOs and a 900km gas export pipeline to the mainland at Karratha, Western Australia. I also authored the Underwater Noise Management Plan for the project.

#### **Coral Reef Rehabilitation Options Assessment (Confidential) - Western Australia**

I provided technical advice assessing options for the rehabilitation of coral reef communities following an unplanned loss of coral habitat resulting from the client's activities at site. The assessment formed a key component of the client's decision-making process with regards to the proposed rehabilitation strategy.

#### **Northwest Cable System, Tiwi Islands branch (Vocus Group) - Australia**

I provided technical environmental support for the initial design and environmental constraints study for a proposed fibre optic cable branching off the existing NWCS, linking Darwin and the Tiwi Islands. Support included a site visit and stakeholder engagement support to Pirlangimpi on Melville Island.

#### **Australia Singapore Cable (Vocus Group) - Christmas Island, Australia**

I served as project manager and technical lead for an initial desktop review of existing survey data and the designing and execution of a supplementary benthic habitat survey of the nearshore cable alignment in Christmas Island.

#### **Barossa Submarine Cable (Vocus Group) - Australia**

I provided technical environmental support for the initial design and environmental approvals (EPBC referral) for the fibre optic telecommunications cable between Darwin and the proposed Barossa field in the Timor Sea. As project manager and technical lead for the project, I was responsible for facilitating the provision of a variety of ad hoc technical environmental support to Vocus during the initial stages of the project planning and scoping.

#### **Timor-Leste Submarine Cable (Vocus Group) - Australia and Timor**

I provided a variety of ad hoc technical environmental support to Vocus during the initial stages of the project planning and scoping for the installation of a fibre optic telecommunications cable between Australia and Timor-Leste. Support included site visits, regulatory and stakeholder engagement support in Timor-Leste.

#### **Coral Sea Cable System (Vocus Group) - Australia, Papua Guinea and Solomon Islands**

I was responsible for the provision of a variety of ad hoc technical environmental support to Vocus during the initial design and approvals stages of the project. I subsequently managed the drafting and submission of the environmental referral document for Commonwealth Government approval. Support included extensive site visits, regulatory and stakeholder engagement support in the Solomon Islands and Australia.

#### **Pumped hydro project (Confidential) - Morocco**

The project proposed the construction of a 20km twin bored tunnel from the Atlantic Ocean to two new inland reservoirs. I supported the project through the provision of technical aquatic environmental advice, in particular the consideration of the likely environmental constraints associated with the scheme. A particular focus of the project was considering the challenges and opportunities of the creation of a large-scale hypersaline wetland.

#### **Safi and Jorf Lasfar Environmental Effects Project (Confidential) - Morocco**

As part of an extensive environmental effects study, I supported the client as the marine technical lead for the initial phases of this long-term study. I was the primary author of the report, which assessed the environmental impacts associated with the discharge of wastewater within the nearshore waters of the Atlantic Ocean.

#### **Climate Change Adaptation Project (PUB) - Kranji and Pandan, Singapore**

I provided extensive marine and coastal environmental advice and support for the detailed design and construction of a range of climate change adaptation measures within the Pandan and Kranji reservoirs in Singapore.

#### **Bridport and Northwest Marine Monitoring Studies (TasWater) - Tasmania**

I provided technical advice for the benthic habitat components of the Annual Monitoring Report, as well as

overall technical review for the final report for the TasWater Bridport Sewage Treatment Plant outfall, as well as the various outfalls within the Northwest region of the island.

#### **Ichthys LNG Development Project (INPEX) Seagrass Benthic Monitoring Program - Darwin NT**

I lead the technical reporting, fieldwork and mapping associated with the quarterly seagrass benthic monitoring within Darwin Harbour.

#### **Hunt Point Tug Harbour Dredge Monitoring (LendLease) - Port Hedland WA**

I planned, managed, and executed the BPPH and WQ monitoring programme for the Tug Harbour development at Hunt Point in Port Hedland.

#### **East Arm Wharf Development Reef Monitoring Program (NT Government) - Darwin NT**

I was responsible for the project management as well as technical reporting and statistical analysis associated with the Benthic habitat monitoring at East Arm.

#### **Garden Island Benthic Habitat Survey (Department of Defence) - Western Australia**

I planned and led the field work and reporting (including GIS mapping) for a seagrass survey associated with the proposed dredging and upgrades to the marine infrastructure at HMAS Stirling.

#### **Augusta Boat Harbour Benthic Survey (Department of Transport) - Augusta WA**

I planned and led the field work and reporting (including GIS mapping) for a nearshore seagrass survey as part of a monitoring project associated with the development of Augusta Boat Harbour.

#### **Furious South and St Joseph Topside and Pipeline Installation (Shell) - Malaysia**

I planned and led the fieldwork associated with an offshore coral survey off Borneo. The survey supported the route alignment and environmental approvals for the installation of a new water injection pipeline, subsea and topside infrastructure within an existing operating gas field.

#### **Abadi Gas Development (INPEX) - Indonesia**

I planned and led the benthic habitat field work associated with the proposed development of an onshore LNG gas plant within the Tanimbar Islands in Indonesia. The project involved leading two separate field campaigns and subsequent reporting of the findings of an extensive benthic habitat mapping study for inclusion in the project ESHIA.

#### **Offshore Drilling Environmental Studies Campaign (ConocoPhillips) - Western Australia**

I was the project manager for the initial phase of this large-scale environmental studies program supporting ConocoPhillips Poseidon offshore drilling campaign in North-Western Australia. This was a large-scale multi-disciplinary offshore program, which involved multiple contractors (including AIMS, JASCO and Fugro). The project was a success, winning the 2013 APPEA Environmental Award for Exploration activities.

#### **Browse LNG Development – Environmental Approvals - Western Australia**

I served as the marine focal point for the downstream environmental approvals (Strategic Assessment and Derived Proposal) of the Browse LNG precinct development at James Price Point in Western Australia.

#### **Ichthys LNG Development Project – Offshore Gas Pipeline Benthic Habitat Survey, WA**

I was responsible for the field execution of the offshore benthic habitat survey for the 900km Ichthys Project pipeline from the field to the proposed gas plant site within Darwin Harbour. I managed the environmental survey operations offshore, including interpreting the live feed from the 'drop-down' camera to determine the benthic ecology at pre-determined locations along a pipeline route and produced the subsequent survey report for inclusion in the project EIS.

#### **Shuweihat 2 – Integrated Water and Power Project (S2 IWPP)**

I acted as the client's environmental consultant during the ESIA and lenders due diligence process, liaising with the hydrodynamic modelling consultant and interpretation of their study for integration into the final EIA report, as well as leading all the required baseline surveys for the project.

**Hydrogen Power Abu Dhabi (BP and Masdar JV) - Abu Dhabi**

I managed and led the marine baseline studies for the project Environmental Impact Statement, liaising with specialist hydrodynamic modelling consultants and providing marine environmental advice to the client. Additionally, I played a key role in informing the design of the plant cooling water intake and discharge system, through a series of workshop and design basis papers in conjunction with process and civil engineering colleagues in the UK (Foster Wheeler) and the Netherlands (Deltares).

**EIS for a Sulphur Handling Terminal (ADCO) – Abu Dhabi**

I acted as the project manager, principal EIA author and lead marine scientist for the environmental impact statement undertaken for a new sulphur handling terminal and 4km dredged channel in western Abu Dhabi. This project entailed a marine baseline survey to determine the baseline ecological, water and sediment quality at the proposed project site.

**EIA for a Multi-use Port Development Project (ZonesCorp) – Abu Dhabi**

I acted as the project manager and lead marine scientist for an environmental impact statement undertaken for a multi-use port development in western Abu Dhabi. Tasks included liaising with the client and the local Environment Agency representatives, coordinating all the baseline surveys and preparation of key project deliverables (i.e., Scoping study, EIS, Environmental Baseline Report).