

Curriculum Vitae

Mark B. Alcock

Date of Birth 18 May 1967

Citizenship Australian

Education

2000-2004: **Graduate Diploma Legal Studies (Environmental Law)**
Australian National University

1988-1991: **Bachelor of Applied Science (Geology)**
University of Canberra

Professional Interests

- The interface between science, technology and law
- Legal certainty and stability in the location of maritime limits and boundaries
- The creation of and access to legally authoritative digital representations of offshore spatial regulation as a mechanism to support improved maritime spatial planning, transparency of government decision making processes, regulatory compliance and good order in the oceans
- A seamless international Marine Spatial Data Infrastructure

Present Position

Jun 2008-Present **Director – Maritime Jurisdiction Advice / Law of the Sea and Maritime Boundaries Advice Section, Geoscience Australia**

Lead the scientific and technical components of the management of Australia's maritime limits and boundaries.
Delivering advice to Australian Government Agencies on the establishment and management of offshore sectoral boundaries
Improve access to Australia's offshore regulatory information through establishment of Australian Maritime Information System (Australian marine cadastre)
Develop information systems for supporting of maritime spatial planning, regulatory compliance and enforcement
Manage Australian aid funded program to assist 14 Pacific Island States establish their maritime boundaries and Pacific maritime information system
Chair, Project Team - International Hydrographic Organisation S121 Maritime Limits and Boundaries Product Specification (Standard to support digital exchange and lodgement of maritime boundary information)

Mar 2005 –Jun 2008 **Director – Law of the Sea Project.**
Petroleum and Marine Division, Geoscience Australia

Manage Geoscience Australia’s program to support Australia’s successful defence of its submission to the Commission on the Limits of the Continental Shelf

Science lead of Australia’s Delegation to the Commission on the Limits of the Continental Shelf

Manage program for improved management of Geoscience Australia’s marine survey data holdings

Provide advice to other States on Australia’s experience preparing and defending its continental shelf submission

Co-Director of Coastal Inundation Bathymetry Collation project
Senior Agency Advisor for Bathymetry

Jun 1998 – Mar 2005 **Scientist - Law of the Sea Project**
Petroleum and Marine Division, Geoscience Australia
Develop submission strategies and materials and prepare Australia’s Continental Shelf submission
Party Chief and Co Chief for Article 76 Law of the Sea Surveys
Scientific analysis of survey data to support Australia’s continental shelf surveys
Develop management systems for marine scientific research data

Feb 1992 – Jun 1998 **Quality Control and Systems Development Scientist, Marine Operations**
Petroleum and Marine Division, Geoscience Australia

Develop acquisition and quality control systems

Undertake 40+ marine geophysical and geology surveys

- Petroleum and minerals exploration
- Article 76
- Marine environment
- Drilling site surveys

Roles

- Shipboard Quality Control Scientist
- Shift Leader for marine science crew
- Seismic Acquisition / Navigation Observer

Selected publications and conference presentations

1. **Alcock, M.**, Stanley, S., et al., 2003. *The Outer Limit of Australia’s Extended Continental Shelf in the Great Australian Bight. Geoscience Australia Law of the Sea Technical Report 5.* (restricted)
2. Stagg, H.M.J., **Alcock, M.**, Borissova, I. & Moore, A., 2002. *Geological framework of the southern Lord Howe Rise and adjacent areas. Geoscience Australia Record, 2002/25*
3. Stagg, H.M.J., **Alcock, M.B.**, Bernardel, G., Moore, A.M.G., Symonds, P.A. & Exon, N.F., 2004. *Geological framework of the outer Exmouth Plateau and adjacent ocean basins. Geoscience Australia Record 2004/13*

4. **Alcock, M.B.,** Stagg, H.M.J., Colwell, J.B., Borissova, I., Symonds, P.A. & Bernardel, G., 2006. *Seismic transects of Australia's frontier continental margins. Geoscience Australia Record 2006/04*
5. **Australia's 2004 submission on the Limits of its Continental Shelf**

Presentations – Conference Papers

2003

Advisory Body on the Law of the Sea Meeting, Monaco

- A Systematic Approach To The Identification of the Foot of the Continental Slope – Article 76, UNCLOS

2007

The Establishment of the Outer Limits of the Continental Shelf beyond 200 Nautical Miles - Its international circumstances, and its scientific and technical aspects, Tokyo

- Australia's continental shelf submission-approaches and implications (invited Speaker)

2008

Advisory Body on the Law of the Sea Meeting Monaco

- Implications of Australia's Submission to the Commission on the Limits of the Continental Shelf (Keynote Speaker)

2010

Royal Society of Tasmania, Hobart

- The Marine Jurisdiction of Macquarie Island (invited speaker)

Advisory Body on the Law of the Sea Meeting Monaco

- Australia's Approach to Using Remotely Sensed Data to Determine Territorial Sea Baselines
- Building a Solid Foundation - A Case for Adopting Fixed Maritime Zones

2011

Law of the Sea institute Conference, Wollongong

- The management of Australia's marine jurisdictional limits and baselines
- The challenge of responding to increased regulatory intensity and the use of digital representations of maritime boundaries

2012

Advisory Body on the Law of the Sea Meeting Monaco

- Geodetic Aspects Of Managing Australia's Maritime Boundaries
- Establishing An Australian Marine Spatial Data Infrastructure

UN Convention on the law of the Sea 30th Anniversary, Canberra, ANU

- The Management Of Australia's Marine Jurisdictional Limits And Baselines (invited Speaker)

2015

Advisory Body on the Law of the Sea Meeting Monaco

- The Universal Digital Marine Cadastre, The Foundation for Efficient Administration of the World's Ocean Spaces
- An Australian perspective on the Implementation of a Digital Marine Cadastre