



Capability Statement

Company Profile

CZM Pty Ltd (Australia) specialises in providing consultancy services focused on the management of the coastal zone.

At CZM we pride ourselves in ensuring we provide our clients with the best quality service in our field. Our experienced dedicated professionals blend technical expertise aligned with a demonstrated ability to execute and sustain specially tailored projects to meet each clients needs.

Core Services Portfolio

Our extensive experience of working in collaborative partnerships with private sector, public sector and voluntary organisations delivering a range of projects means we can provide a comprehensive portfolio of consultancy and advisory services:

- ICZM Institutional Analysis, Policy, Planning and Management.
- Coastal Field Analysis, Assessment and Reporting.
- Teaching and Professional Development
- Climate Change Vulnerability and Adaptation Assessment.
- Capacity Building and Communications.

For more detailed services offered please read the following information on Key Projects.

Key Projects

ICZM Institutional Analysis, Policy, Planning and Management

CZM Pty Ltd has an established track record of undertaking strategic management, policy and development planning for the coastal zone.

We offer the following services:

- ICZM institutional analysis and strengthening.
- ICZM policy analysis and review.
- ICZM legislative review, analysis and drafting.
- Coastal management planning (strategic and operational levels).
- Global ICZM best-practice benchmarking.
- Technology planning and its integration into ICZM.

Key projects in this area include:

Client: Australian National Oceans Office

The Australian National Oceans Office required specialist advice on the potential role of the Asia-Pacific Economic Cooperation (APEC) Fisheries and Marine Resources Working Groups in long-term tsunami response. The focus of the advice provided was to ensure that the APEC 2nd Oceans Ministerial Meeting (AOMM) has targeted and meaningful proposals for APEC economies to support those economies effected by the 26 December 2004 Indian Ocean tsunami. In particular, how tsunami response will be integrated into key outcomes of the 2nd AOMM the "The Bali Plan of Action" was considered.

Client: Asia-Pacific Economic Cooperation (APEC)

The fifth (2004) and sixth (2005) APEC Roundtable Meeting on the Involvement of the Business/Private Sector in the Sustainability of the Marine Environment (Kaohsiung, Chinese Taipei) required consulting services to advise on models for private sector engagement in marine and coastal management. Briefing papers was prepared and presented to the Roundtable meetings. The models developed in the briefing paper were adopted in their entirety by the Roundtable and are being developed further for project funding.

Client: Dubai Municipality

The Dubai Beach Safety Project has recently completed its analysis of the legislative, policy, planning and operational framework for the management of beach safety in Dubai. This issue was of critical concern to the Government of Dubai given its focus on increasing coastal tourism to the country. Tasks undertaken include institutional framework analysis, review of all legislative and policy measures for the management of beach safety. The project recommended a range of institutional and policy strengthening measures. In addition, operational management measures to reduce beach-user risk were recommended to complement the strategic environment that will result from the study. The project used an international network of sub-consultants providing specialist input into the study.

Client: United Nations Food and Agriculture Organisation (FAO)

This project provided a strategic review of integrated coastal zone planning in Asian tsunami affected countries. It required provision of information and perspective for Government officers and development practitioners involved in coastal area planning and management and agriculture, fisheries and forestry in coastal areas. This work was carried out under the general guidance of the Chief Emergency Operations Service (TCEO) of FAO, under the overall supervision of the FAO Assistant Director-General of the Regional Office for Asia and Pacific (RAP). The following subject areas were covered:

- Overview of competing uses of the coastal zone: e.g. tourism, agriculture, fisheries and forestry, green belts, buffer zones, etc. with particular reference to tsunami affected areas.
- Cases in tsunami-affected Asian countries demonstrating costs and benefits associated with unplanned development of coastal zones and highlighting successful approaches to integrated land use planning and management.
- Approaches to coastal zone planning and management to enable increased flow of economic, environmental and social benefits (integrated participatory multi-stakeholder land use planning, land allocation, conflict resolution, etc.) and strategies to encourage uptake.
- Summary of lessons learned relevant to post-tsunami reconstruction and development.

Coastal Field analysis, Assessment and Reporting

CZM Pty Ltd provides strategic studies, surveys and assessments to appraise and deliver coastal development projects to protect people, property and natural habitat. Assessments involve identifying the most appropriate solution to a problem, in terms of technical viability, economic justification, environmental impacts and long-term sustainability.

Key projects in this area include:

Client: EMAAR/Africon (Dubai) - Rabat Saphira Corniche

This project provided marine, coastal environmental and coastal zone management advice for the Saphira Corniche development along a 12 km section of the open coastline immediately southwest of the Bouregreg River in Rabat, Morocco.

Tasks undertaken included:

- A historical assessment and inventory of the coastline.
- Overview of institutional, legal and planning frameworks pertaining to coastal development and environmental control.
- Determination of marine and geophysical baseline and design conditions.
- Quantification of shoreline change dynamics.
- Assessment of shoreline risks, setbacks and stabilisation measures.
- Coastal development option assessments.

An important outcome of this ongoing study is the identification of sites for potential infrastructure development incorporating recommendations for design protection and stability. This information is integral to the preparation of conceptual architectural and

infrastructure plans for the proposed development ensuring that the conceptual layout of project elements will not be threatened by coastal erosion, marine inundation and environmental factors.

Teaching and Professional Development

CZM Pty Ltd has been involved in the formulation and provision of a range of teaching and professional development courses. These include special guest lectures as part of established University Teaching Programs, Formulation and Delivery of Coastal Units and development and delivery of hands-on training schemes to aid in the preparation of United Nations National Communications by non-Annex 1 countries.

Examples of deliverables in this area include:

Client: Routledge Publishers (London)

The textbook Coastal Planning and Management has recently been revised as a Second Edition for Routledge publishers in the UK. Robert Kay is the lead author of the textbook working with Jackie Alder as co-author. The first edition, released in 1999, is considered to be the leading text on the global ICZM practice blending institutional analysis, policy and strategic planning with practical operational management considerations. The recent publication of this text ensures that CZM Australia is completely up to date with all aspects of ICZM internationally.

Client: University of Sunshine Coast Queensland

Provision of guest lectures on coastal zone management and climate change through a formal Research Associate Professor Affiliation (for Dr Kay).

Client: University of Western Australia

Provision of guest lectures on coastal zone management and climate change through a formal Research Associate Affiliation.

Client: University of Notre Dame (Australia)

Formulation and delivery of a Unit on Coastal and Marine Systems for undergraduate and Masters level students.

Client: United Nations Framework Convention on Climate Change (UNFCC) Secretariat – Regional Coastal Adaptation Training Indonesia and Paraguay

Training services were provided to 70 experts from the Asia-Pacific region and 50 experts from the Latin America and the Caribbean region engaged in the preparation of National Communications under the Framework Convention on Climate Change. The training focussed on tools and methodologies for the assessment of the vulnerability of coastal zones to sea-level rise and climate change. This included a general discussion on the impacts of climate variability and climate change, and sea level rise on coastal zones and human settlement and methods and tools to assess impacts.

Client: UNFCC Secretariat – Consultative Group of Experts (CGE) Training Strategy

This project was concerned with the formulation of a comprehensive training strategy as an important component in building and sustaining the capacity of non-Annex I Parties of the Kyoto Protocol in preparing the national communications. A strategy of this kind will build on the successful implementation of previous hands-on training through an incorporation of participant recommendations in conjunction with an in depth analysis of training initiatives at a global scale.

Recommendations put forward through this work represented a blend of evaluation assessments and the rich data resulting from workshop activities, with in depth analysis of the broad range of climate change training available. This has been carried out together with an analysis of current best practice in capacity building.

Climate Change Vulnerability and Adaptation Assessment

Client: Australian Greenhouse Office

CZM Pty Ltd's expert services were provided on approaches to long-term response by Australian governments to sea-level rise and climate change. Expert sub-contractors were used to provide input on models, approaches and policy templates. Services included drawing together expert peer reviewers to provide global best-practice advice.

Capacity Building and Communications

CZM Pty Ltd works with clients to design and implement stakeholder engagement and consultation processes. We also have extensive experience in communication, consultation and facilitation. We have extended our training approach to encompass a more holistic view of capacity building by addressing change management and conflict resolution.

We work in online and traditional media, and have extensive design and writing expertise from professional texts, short-course training materials, toolkits through to K-12 educational material.

Examples of key projects in this area include:

Client: EU/University of Kiel

The INCOFISH (Integrating Multiple Demands on Coastal Zones with Emphasis on Aquatic Ecosystems and Fisheries) project specifically targeted strategic research towards reconciling multiple demands on coastal zones with special emphasis on developing countries. This Work provided the framework for compilation and analysis of data relevant to the understanding of interactions, impacts and flows in the coastal zone. Specially, this project reviewed the concepts and tools for ICZM (Integrated Coastal Zone Management) with a special focus on the use of visualisation tools in stakeholder engagement.

Client: Coastal CRC (Australia)

The objective of this project was to synthesize key research undertaken by the Australian Coastal Collaborative Research Centre) into open and readable 'Issues' factsheets suitable for the 'technical officer to mid-manager' level within council. These fact sheets were geared towards six areas that the Coastal CRC has identified as priorities in the management of the coastal zone. The target message was to convince their higher managers to use appropriate tools and technologies as outlined in by the Coastal CRC to manage the coastal zone.

People

CZM has a core staff of four professionals covering a variety of disciplines, all with individual experience of between 8-25 years. The core team possesses a range of complementary skills, with individual staff working closely to support each other on projects. In addition, the company has a select group of affiliate consultants and experts who work on projects as required. CZM also maintains strategic links with other consultancy and research institutes throughout the world.

Associate Professor Robert Kay, Principal Consultant

Dr Robert Kay is the principal Director of CZM (Australia) and has over 15 years experience in coastal zone management and planning and has worked at an executive management level. He has a background in ICZM, coastal geomorphology, oceanographic and coastal physical processes and environmental risk assessment. Dr Kay is also a lead quality assurer for the ISO 9000 Quality Management series and a senior project manager with extensive experience in large complex projects.

Dr. Kay has worked in a variety of coastal management roles in government, consulting and academic sectors including seven years in the Western Australian civil service where he ran the Western Australian coastal planning programme and the State's coastal management branch. His private sector experience includes coastal projects in Europe, USA, New Zealand, Australia, Bangladesh, the Middle East and the Pacific. He has an Honours degree in Geology (Wales) and PhD in Environmental Science (East Anglia UK). Dr Kay is frequently invited to give keynote presentations at conferences around the world. In addition, through his work with the United Nations Framework Convention on Climate Change, Dr. Kay has been heavily involved in the development and delivery of a series of training schemes on vulnerability and adaptation assessment. He has recently been invited to oversee this training in both the Asia Pacific and Latin American and Caribbean regions.

Dr. Kay has written widely on coastal management and planning with around 70 papers, articles and consultancy reports. His first book 'Coastal Planning and Management', co-authored with Jackie Alder (UBC Canada) was released in February 1999. The second edition was released in December 2004 and also translated into Japanese in 2005.

Dr Ailbhe Travers, Senior Consultant

Ailbhe Travers is a coastal geomorphologist with over eight years experience in environmental studies focusing specifically on the coastal realm. She holds an honours degree in Environmental Science from the University of Ulster, Ireland and has recently been awarded her PhD from the University of Western Australia. Her research here focused on the morphology and dynamics of sandy beach environments. Through the course of her research she has developed a detailed understanding of coastal processes and has extensive experience in the collection and analysis of data pertaining to the coastal zone

In addition to her scientific training, Ailbhe has a background in communications. She has experience in working as part of a research team toward the production of management plans and technical reports as well as a strong field-orientated skills base.

Mr David Green, Senior Consultant

David Green has extensive experience in the software development industry and has held a diverse range of roles including Application Developer, Business and Technical analyst, Team Leader, Line Manager and Project Manager. He has a Bachelor of Commerce degree from the University of Queensland and has recently completed a Masters of Information Management at the University of Western Australia where he carried out research on the social communication characteristics within project teams and the impacts this has on project performance.

Through his role with CZM David is applying his strong IT and project management background to a wide range of coastal problems.

Ms Carolyn Kay, Principal Consultant

Carolyn Kay is Company Secretary CZM (Australia) and has over 15 years experience in information management, marketing, capacity building, ICT, communication, facilitation and community consultation. Before going into partnership with Dr. Kay she ran her own business for eight years servicing clients from industry and government. She has a degree in Library and Information Science and has studied communication at a postgraduate level.

Ms Kay has a strong interest in the environment and has worked with a number of key environmental and coastal management agencies particularly in the areas of communication, stakeholder consultation/management and facilitation. She is a group skills trained facilitator and has run numerous workshops for government, industry and for the community.

Specialist Sub-contractors

The company develops specialist teams quickly and effectively through the use of specialist subcontractors. These are either experts in their own right or as part of larger organisations.

Client List

- Defence Corporation Services & Infrastructure.
- Australian National Oceans Office.
- Asia-Pacific Economic Cooperation (APEC).
- Dubai Municipality.
- Routledge Publishers (London).
- Department of Conservation and Land Management (Western Australia).
- Oceanica (Australia).
- Australian Greenhouse Office.
- Ministry of the Interior (Taiwan).
- United Nations Framework Convention on Climate Change Secretariat (Bonn, Germany).
- Australian Coastal Collaborative Research Center.
- EMAAR/Africon, Dubai.
- European Union/University of Kiel.
- United Nations Food and Agriculture Organisation.
- University of Notre Dame (Australia).

Affiliations

- Editorial Board of the international journal Coastal Management.
- Various coastal education and research foundations and societies.
- Expert Reviewer - International Panel on Climate Change (IPCC).
- Expert Reviewer – United Nations Millennium Ecosystem Assessment.
- Adjunct Fellow University of Western Australia, Department of Geographical and Earth Sciences.
- Visiting Associate Professor, University of the Sunshine Coast, Australia.
- Australian Institute of Project Management.

Quality and Insurances

Quality

The CZM Pty Ltd custom Quality Management System combines elements of the ISO 9000 series with the PRINCE2 Project Management methodology ensuring consistent and high quality service delivery to our clients.

Insurances

CZM Pty Ltd has the following insurance cover:

- Professional Indemnity \$5 million
- Public Liability \$10 million.
- Permanent Global Travel Insurance.