

Securing a Resilient Future for Australia's Oceans: a scientific consensus statement on the Federal Commonwealth Marine Park Review

We are 275 scientists from 84 institutions across 25 countries. We call on the Australian Government to ensure the Federal Commonwealth Marine Park Review delivers a marine park system that is scientifically credible, enduring and delivers benefits for oceans and people.

Background

Australia's marine ecosystems face increasing pressure from fishing, ocean warming, habitat degradation, pollution and expanding ocean use. Biodiversity declines are being documented across many Australian marine ecosystems, highlighting the urgent need for effective conservation measures.

Australia has made globally significant progress in establishing marine parks, creating one of the world's largest marine park systems that covers approximately 52% of the national Exclusive Economic Zone. However, the current network does not yet provide the level or distribution of protection required to conserve marine biodiversity, strengthen ecosystem resilience and meet contemporary conservation science.

While approximately 25% of Commonwealth waters are classified as highly protected, only approximately 9.6% of Commonwealth waters surrounding mainland Australia are managed within highly protected no-take zones. Protection remains concentrated in remote offshore and territorial waters, while many productive continental shelf and slope ecosystems, where biodiversity, fisheries and human pressures are greatest, remain under-represented. Furthermore, industrial extractive activities, including trawling and longlining, remain permitted across approximately one third of mainland Commonwealth marine parks.

Contemporary conservation science consistently demonstrates that highly protected marine parks deliver substantially stronger biodiversity, fisheries, ecosystem and climate resilience outcomes than partially protected areas. Effective marine park networks require representative protection across ecosystem types, particularly in areas where biodiversity, productivity and human use are concentrated.

Australia has built a foundation for marine conservation. The challenge now is to ensure that the network becomes ecologically representative, highly protected where it matters most, and sufficiently enduring to conserve biodiversity in the face of accelerating environmental change.

Why now?

Australia is about to undertake a once-in-a-decade statutory Review of the Commonwealth marine park management plans. The Review of the North-west, South-west, Temperate East, Coral Sea and North marine parks networks presents a rare opportunity to strengthen protection across one of the world's largest marine estates and ensure Australia delivers genuinely effective ocean conservation.

Demonstrable declines in biodiversity, fish populations and ecosystem condition are occurring across Australian marine ecosystems as a result of multiple and interacting pressures, including climate-driven ocean warming, habitat degradation, industrial fishing impacts, pollution and expanding ocean use. Strengthening protection in the places that matter most is therefore essential to maintaining resilient and productive ocean ecosystems.

The Australian Government has committed to protecting at least 30% of Australia's oceans within highly protected areas. The forthcoming review is the principal mechanism through which this commitment can be achieved. Decisions made during this review will shape the ecological, economic and social future of Australia's oceans for generations.

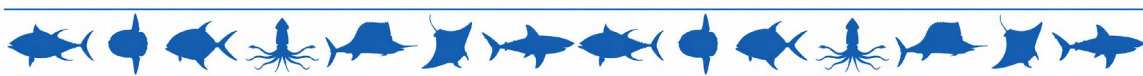
What needs to be done?

Achieving an ecologically effective, climate-resilient, and representative marine park network consistent with contemporary conservation science, international commitments, and long-term community support requires five key actions:

1. Protect at least 30%, as a minimum, of each of Australia's marine bioregions within highly protected no-take zones (IUCN Ia or II), implemented according to Comprehensive, Adequate and Representative (CAR) principles and with priority given to productive continental shelf, slope, and coastal ecosystems that are currently under-represented.
2. Commit to and implement no future downgrading, downsizing, or degazettement of existing, highly protected marine park zones.
3. Remove industrial extractive activities, including trawling, longlining, and mining, from all marine parks.
4. Adequately resource marine park management, enforcement, monitoring, research, and community engagement to avoid the proliferation of ineffective "paper parks".
5. Invest in national communications and education initiatives that improve public understanding of marine park protection levels, ocean stewardship and Indigenous engagement.

Conclusion

Australia has the opportunity to build a globally leading marine park network that delivers biodiversity conservation, fisheries resilience, climate adaptation and long-term ecosystem protection. The forthcoming review represents the best opportunity in a generation to strengthen protections across Australia's oceans and secure a resilient future for people and nature alike.



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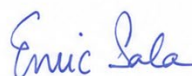
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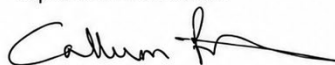
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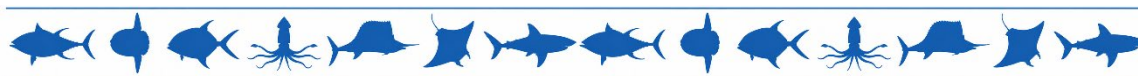
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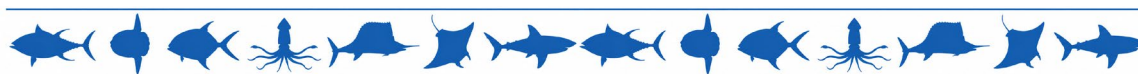
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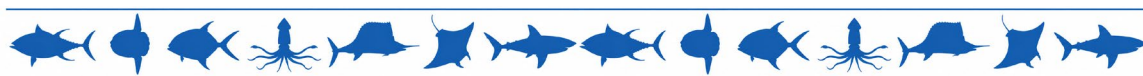
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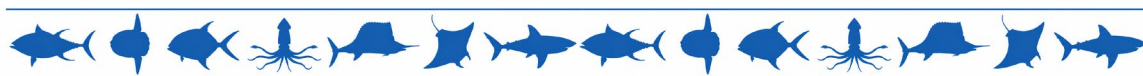
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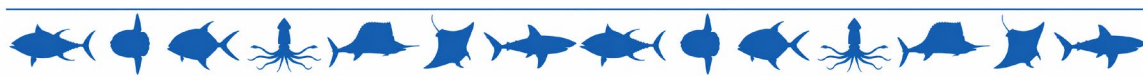
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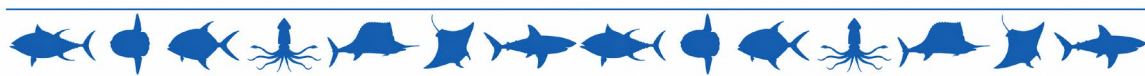
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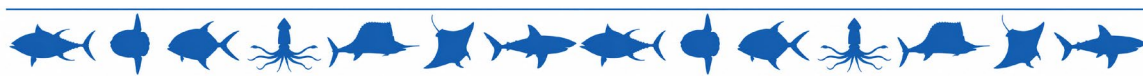
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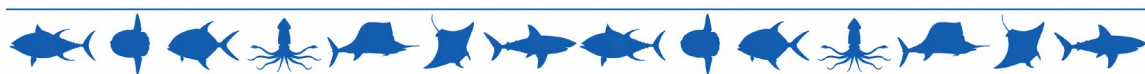
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Research Fellow Nur Arafah Dalmau, Postdoctoral Scholar, Oceans, Hopkins Marine Station, Stanford University, United States

Research Fellow Marta Cambra Agustí, Honorary Researcher, Center for Research in Marine Sciences and Limnology (CIMAR), University of Costa Rica, Costa Rica

Research Fellow Sara Cannon, Institute for the Oceans and Fisheries, University of British Columbia, Canada

Research Fellow Matthew Holland, School of Biological and Marine Sciences, University of Plymouth, United Kingdom

Research Fellow Jordi Pages, Investigador Ramon Y Cajal, Centre for Advanced Studies of Blanes (CEAB), Spanish National Research Council, Spain

Research Fellow Gaël Mariani, Marine Biodiversity, Exploitation and Conservation, University of Montpellier, France

Lecturer David Jacoby, Lancaster Environment Centre, Lancaster University, United Kingdom

Lecturer Fabio Favoretto, School of Biological and Marine Science, University of Plymouth, United Kingdom

Lecturer Paul Hallas, School of Biological and Marine Sciences, University of Plymouth, United Kingdom

Lecturer Claire Szostek, School of Biological and Marine Sciences, University of Plymouth, United Kingdom

Dr Sarah Hameed, Blue Parks Director and Senior Scientist, Marine Conservation Institute, United States

Dr Jason Flower, Project Scientist, Environmental Markets Lab, University of California, Santa Barbara, United States

Dr Adriano Quintela, Marine Spatial Planning Specialist, Blue Azores Program and Oceano Azul Foundation, Portugal

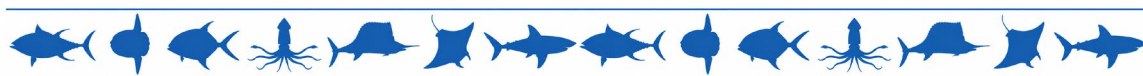
Dr Mohammad Rozaimi, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Malaysia

Dr James Davies, School of Biological Sciences, University of Bristol, United Kingdom

Dr Oscar Serrano, Marine Ecology, Spanish National Research Council (Spanish National Research Council), Spain

Dr Michael Williamson, Postdoctoral Research Associate, Institute of Zoology, Zoological Society of London, United Kingdom

Dr Elamin Abdelrhman, Director, Red Sea Fisheries Research Station, Federal Ministry of Animal Resources and Fisheries, Sudan



Dr Jana McPherson, Project Leader - National Action, Project Seahorse, Institute for the Oceans and Fisheries, University of British Columbia, Canada

Dr Lance Morgan, President, Marine Conservation Institute, United States

Dr Cornelia Nauen, Chair of the Board of Trustees, Quantitative Aquatics, Inc, Quantitative Aquatics, Inc., Philippines

Dr Alexander Tilley, Lead Scientist, Sustainable Aquatic Food Systems, WorldFish, Malaysia

Dr Alexander Vail, Researcher and Cinematographer, Zoology, University of Cambridge, United Kingdom

Dr Katharine Clayton, School of Health and Life Sciences, University of the West of Scotland, United Kingdom

Dr Rhiannon Davies, Centre for Ecology and Conservation, University of Exeter, United Kingdom

Dr Antonio Di Franco, Integrative Marine Ecology, Sicily Marine Centre, Stazione Zoologica Anton Dohrn, Italy

Dr Svenja Marfurt, Department of Evolutionary Biology and Environmental Studies, University of Zurich, Switzerland

Dr Telmo Morato, Institute of Marine Sciences - OKEANOS, University of the Azores, Portugal

Dr Ian Nichols, Forest Resources and Environmental Conservation, Virginia Tech, United States

Dr Simon Pittman, Geography and the Environment, University of Oxford, United Kingdom

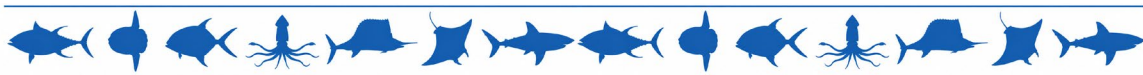




Postnominals and Honours/Awards

Postnominals

AC – Companion of the Order of Australia
AFHEA – Associate Fellow of the Higher Education Academy
AM – Member of the Order of Australia
AO – Officer of the Order of Australia
DACVP – Diplomate of the American College of Veterinary Pathologists
FAA – Fellow of the Australian Academy of Science
FAAL – Fellow of the Australian Academy of Law
FAGU – Fellow of the American Geophysical Union
FAHA – Fellow of the Australian Academy of the Humanities
FAMOS – Fellow of the Australian Meteorological and Oceanographic Society
FAMS – Fellow of the Australian Mammal Society
FASSA – Fellow of the Academy of the Social Sciences in Australia
FGA – Fellow of the Ghana Academy of Arts and Sciences
FHEA – Fellow of the Higher Education Academy
FLS – Fellow of the Linnean Society of London
FNAS – Foreign Associate / international member of the U.S. National Academy of Sciences
FQA – Fellow of the Queensland Academy of Arts and Sciences
FRS – Fellow of the Royal Society
FRSC – Fellow of the Royal Society of Canada
FRSN – Fellow of the Royal Society of New South Wales
FRSNZ – Fellow of the Royal Society of New Zealand (Royal Society Te Apārangi)
FRZS – Fellow of the Royal Zoological Society of New South Wales
FTSE – Fellow of the Australian Academy of Technological Sciences and Engineering
MAACAI – Member of the Australian Association of Consulting Archaeologists Inc.
MANZCVS – Member of the Australian and New Zealand College of Veterinary Scientists
MICOMOS – Member of the International Council on Monuments and Sites (ICOMOS)
MRSB – Member of the Royal Society of Biology
NAS – Member of the U.S. National Academy of Sciences
OAM – Medal of the Order of Australia
SFHEA – Senior Fellow of the Higher Education Academy





Honours and Awards

- A.G. Huntsman Award – Canadian award recognising excellence in marine science.
- AAAS Fellow – Elected Fellow of the American Association for the Advancement of Science.
- Albert I Grand Medal / Grand Medal of Prince Albert I – Major international honour of the Oceanographic Institute, Prince Albert I of Monaco Foundation, for exceptional contributions to ocean science and stewardship.
- BBVA Frontiers of Knowledge Award – International award recognising major contributions across science, technology, humanities and environmental fields.
- CNRS Bronze Medal – French National Centre for Scientific Research award recognising outstanding early-career research.
- California Academy of Sciences Fellow – Fellowship of the California Academy of Sciences recognising distinguished contributions to science.
- Chevalier de la Légion d'honneur – Knight of the French Legion of Honour, France's highest national order of merit.
- E.W.R. Steacie Memorial Fellowship – Prestigious Canadian research fellowship awarded by the Natural Sciences and Engineering Research Council of Canada (NSERC) to outstanding early-career researchers demonstrating strong international leadership and research achievement.
- Gerhard Herzberg Canada Gold Medal – Canada's top federal award for sustained excellence and influence in research in the natural sciences and engineering.
- ICES Prix d'Excellence – International Council for the Exploration of the Sea award for outstanding contributions to marine science and its application.
- IUCN Harry Messel Award for Conservation Leadership – IUCN World Commission on Protected Areas award recognising exceptional conservation leadership.
- International Cosmos Prize – International prize recognising research and action advancing the harmonious coexistence of nature and humanity.
- Killam Professor – Prestigious professorial distinction supported by the Killam Trusts and awarded at participating Canadian universities in recognition of outstanding scholarly achievement.
- Member, Academia Europaea – Elected membership of Academia Europaea, the pan-European academy of sciences, humanities and letters.
- NAS Gilbert Morgan Smith Medal – U.S. National Academy of Sciences medal recognising excellence in published research on marine or freshwater algae.
- Peter Benchley Ocean Award – International award recognising exceptional achievement in ocean conservation and stewardship.
- Pew Fellow in Marine Conservation – Competitive Pew fellowship supporting leading marine conservation scientists and practitioners.
- Tyler Prize for Environmental Achievement – Major international award recognising exceptional environmental science, policy and leadership.
- Volvo Environment Prize – International prize recognising outstanding scientific discoveries or innovations supporting environmental sustainability.
- ZSL Marsh Award for Marine and Freshwater Conservation – Zoological Society of London and Marsh Charitable Trust award recognising significant contributions to marine or freshwater conservation.

