



National Environmental Science Program

Marine and Coastal Hub knowledge gaps, research investments and priorities

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Annual Research Plan Summary to Date

- RP2021 – 32 projects, \$2.3M, 9mths duration, synthesis and scoping studies, all complete
- RP2022 – 7 projects, \$2.8M, 18mths duration, started July 2022, all complete
- RP2023 – 19 projects, \$9.1M, 3yrs duration, some complete, most due this year
- RP2024 – 26 projects, \$13.0M, 3yrs duration, due to wrap up by Dec 2026
- RP2025 – 8 projects, \$4.4M, 2yrs duration, due to wrap up by Dec 2026
- Remaining funds - ~\$2.3M, project extensions, and Research Plan 2026 projects to be completed Dec 2026



MaC Hub Emerging Priorities Research

Two recent emerging priorities projects:

- 4.25- Modelling adult abundance and habitat distribution of Maugean skate
 - Led by CSIRO and UTAS
- 4.26 - Modelling shorebird migration to assess disease risk amid global change
 - Led by Deakin University



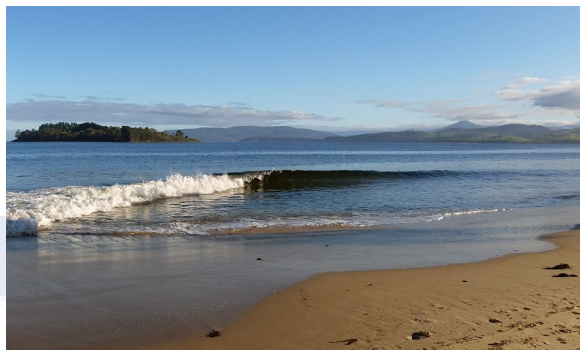
MaC Hub Research Plan 2025

- Mapping sea country and investigating conservation and restoration opportunities along the Kakadu coast and Garig Gunak Barlu National Park
- A toolkit for ranger-led seagrass monitoring in northern Australia sea country
- Innovations To Support Crown-Of-Thorns Starfish Control and the Resilience of the Great Barrier Reef
- Assessing impacts of extreme events on inshore benthic habitats in the northern Great Barrier Reef
- Synthesis of environmental values information to support review of Australian Marine Park Management Plans
- Updating knowledge of Australian white sharks
- Making marine environmental data 'assessment ready'
- Improving socio-ecological understanding of natural values of the Australian Marine Parks

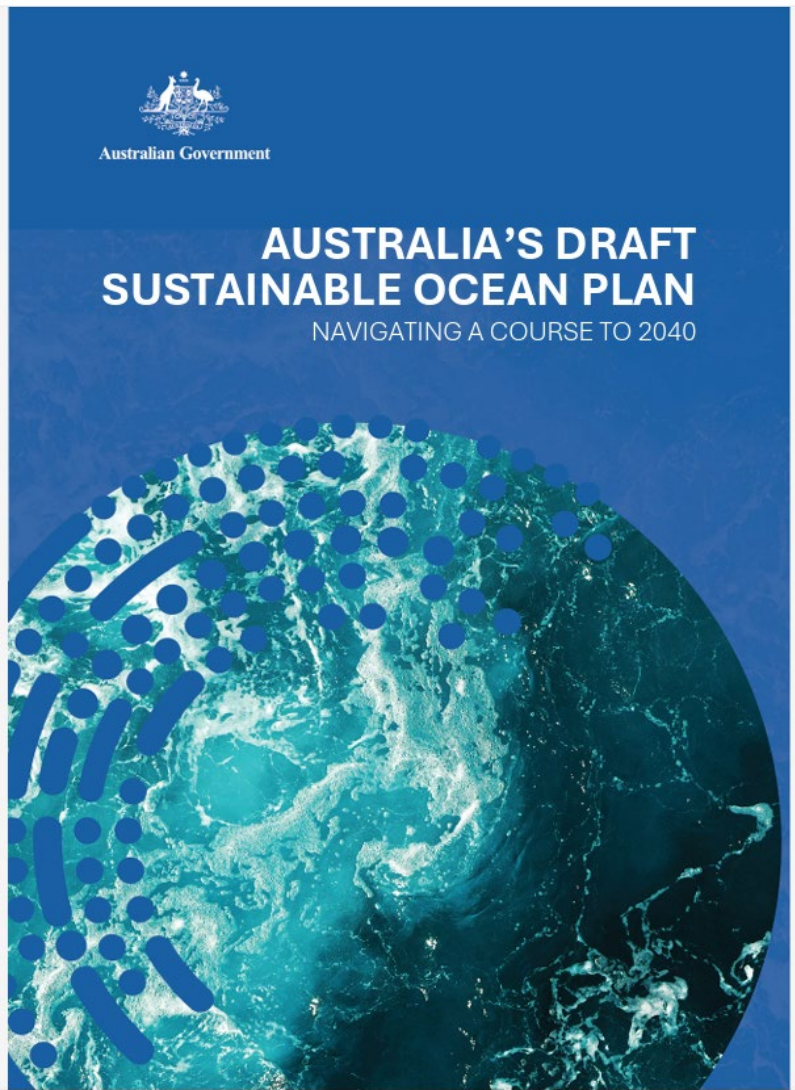


Remaining research investments

- Regional planning in Northern Australia
 - Advancing identified Indigenous priorities for Sea Country
 - Sustainable development of offshore renewable energy
 - Research supporting implementation of restoration and nature-based solutions
 - Status of values and pressures and measure effectiveness of marine protected places
 - Threatened & migratory species & ecological communities
- **New project RP2026**
 - **Emerging priorities**
 - **Synthesis products**



Marine and Coastal Hub – supporting the SOP



- **First Nations**
 - National representation on sea Country matters
- **Protect and restore**
 - Protecting our coastal and marine ecosystems
 - Restoration and adaptation of coastal and marine ecosystems
 - Ocean pollution
- **Industry**
 - Supporting marine industry sustainable practices
 - Social and cultural licences
- **Collaboration**
 - Forums to support national collaboration and coordination
 - National marine planning
- **Equity and inclusion**
 - First Nations equity
- **Knowledge**
 - Baseline data, mapping, monitoring and research
 - National data-sharing and priority-setting
 - First Nations Knowledge
 - Innovation and technology



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Knowledge gaps, research investments and priorities

- Thank you
- Q and A

