



The National Marine Science Plan: 2020 The mid-way point

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Tony Worby – outgoing Chair NMSC*

AusSeabed webinar Series – 25 Jun 2020



Australia's National Marine Science Committee



Australian Government
Department of Agriculture, Water and the Environment



UNIVERSITIES



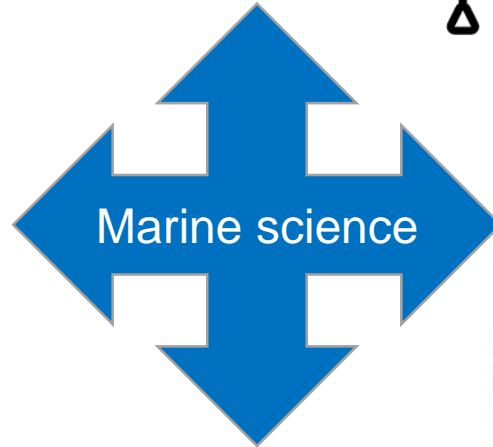
Australian Government
Department of Foreign Affairs and Trade



Australian Government
Department of the Prime Minister and Cabinet



Australian Government
Department of Education and Training



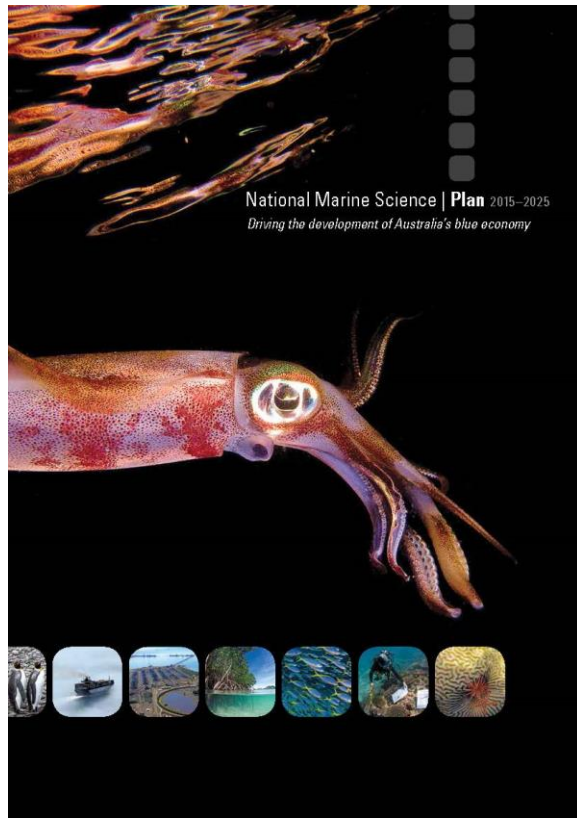
RESEARCH INSTITUTIONS



Australian Government
Department of Defence



Why do we need a national marine science plan?



Infrastructure
Knowledge
Skills
Collaborations

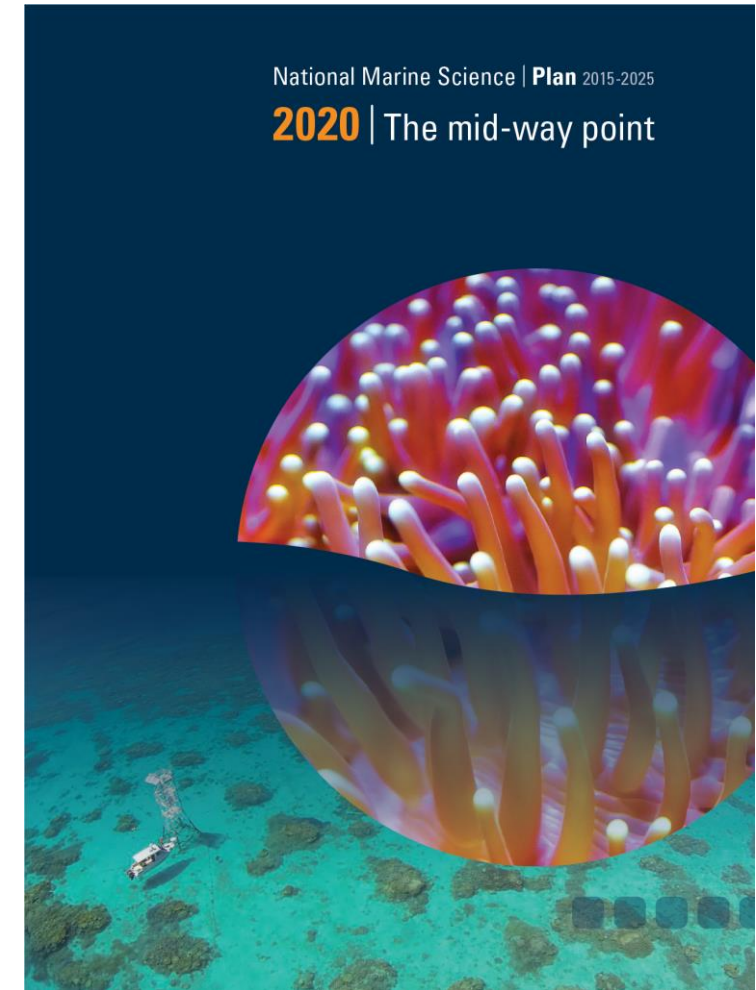


Mid-way point 2020

What have we achieved?

What has changed?

What are the emerging priorities?



Australia's highlights

1. NMSP launched

2015

2. \$145M provided over 6 years for NESP

2015

3. Construction of the RSV Nuyina commissioned

2015

4. Reef Life Survey hits 4500 species from 7000 surveys

2016

5. National guidelines to develop fisheries harvest strategies

2016

6. State of the Environment released

2016

7. \$444M committed to GBR

2018

8. Australian Marine Parks come into effect

2018

9. Australian Antarctic Strategy and 20-year Action Plan by the Aust. Govt. released

2018

10. National scale hazard estimates of extreme events (sea-level, tropical cyclones and offshore earthquake-tsunamis) delivered (by UWA and GA)

2018



11. Launch of AusSeabed: National seabed mapping coordination program

2018

12. AIMS index released and detailing the Marine Industry to be worth \$68.1B

2018

13. Increased funding for IMOS and RV Investigator

2018

14. Launch of the WA Index of Marine Survey for Assessment

2020



15. ANZIC co-authors the 2050 Science Strategic Plan for international ocean geoscience

2020








8 recommendations – Report Card

 Early stage  underway  Mature  Grand challenges



Sustain & Expand the Integrated Marine Observing System (IMOS)

Fund national research vessels for full use

Blue Economy Focus






National Marine Baselines and Long-term Monitoring Program








Marine science research training meeting the need of industry and governments

National studies on marine system processes and resilience

National Oceanographic Modelling System

Science program to support decision-making by policymakers and industry





Since 2015



Indigenous knowledge & partnership



MPA plans



COVID19



Bushfire



Biosecurity issues



Ice sheet & CC



Plastics



Coral bleach



Technological advances
Citizen-sciences




Marine Heatwaves




Outlook 2025: Healthy Ocean, Vibrant Society, Strong Economy

Bringing Indigenous Science, Traditional Knowledge and custodianship into the marine national effort

National Marine Baselines and Long-term Monitoring Program




Unlocking the power of DATA



Sustain & Expand the Integrated Marine Observing System



Fund national research vessels for full use



Underpinning Infrastructure & Knowledge

Science program to support decision-making by policymakers and industry



National studies on marine system processes and resilience

'Building coastal resilience'





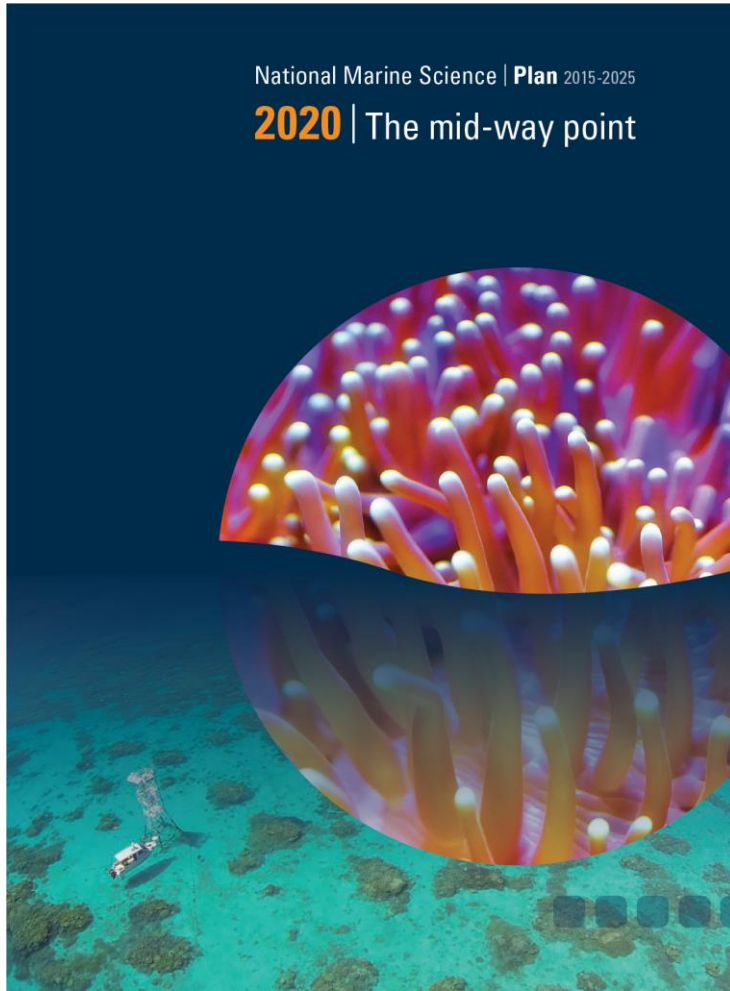
Future Focus

Marine science research training meeting the needs of industry and the community

Blue Economy Focus

National Oceanographic Modelling System

- In line and contributing to international initiatives



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



HIGH LEVEL PANEL for
**A SUSTAINABLE
 OCEAN ECONOMY**

- Launch in late July
- Tool to engage with Government and assist organisations with strategic direction in terms of marine sciences to meet the grand challenges facing our marine nation

