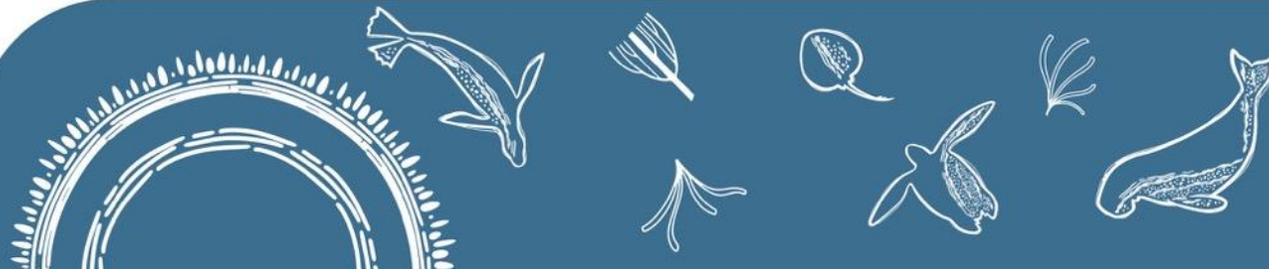




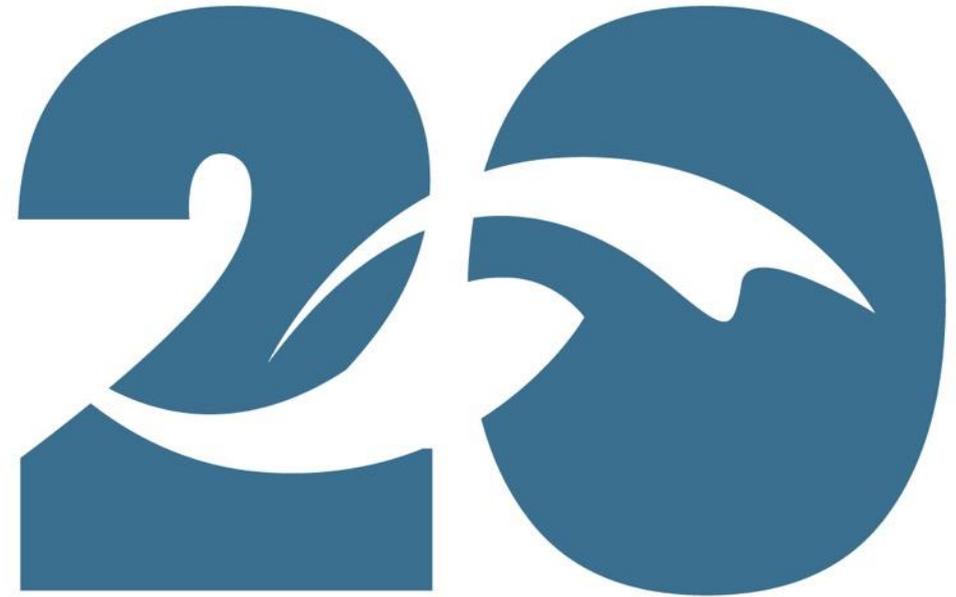
IMOS Impact – 20 years of achievement



IMOS acknowledges the Traditional Custodians and Elders of the land and sea on which we work and observe, and recognise them as Australia's first marine scientists and carers of sea Country. We pay our respects to Aboriginal and Torres Strait Islander peoples past and present.

20 years of IMOS

- Since 2006 IMOS has evolved to measure outputs and impact to ensure the program meets the needs of end-users.
- Activities to ensure engagement have been established such as the Australian Coastal and Oceans Modelling and Observations (ACOMO) workshops and Forum for Operational Oceanography (FOO)
- IMOS was the first NCRIS capability to establish an impact database and metric system
- IMOS impact reporting is considered the gold standard in NCRIS, the Global Ocean Observing System and beyond



CELEBRATING 20 YEARS
OF SUSTAINED MARINE OBSERVING

An impact timeline



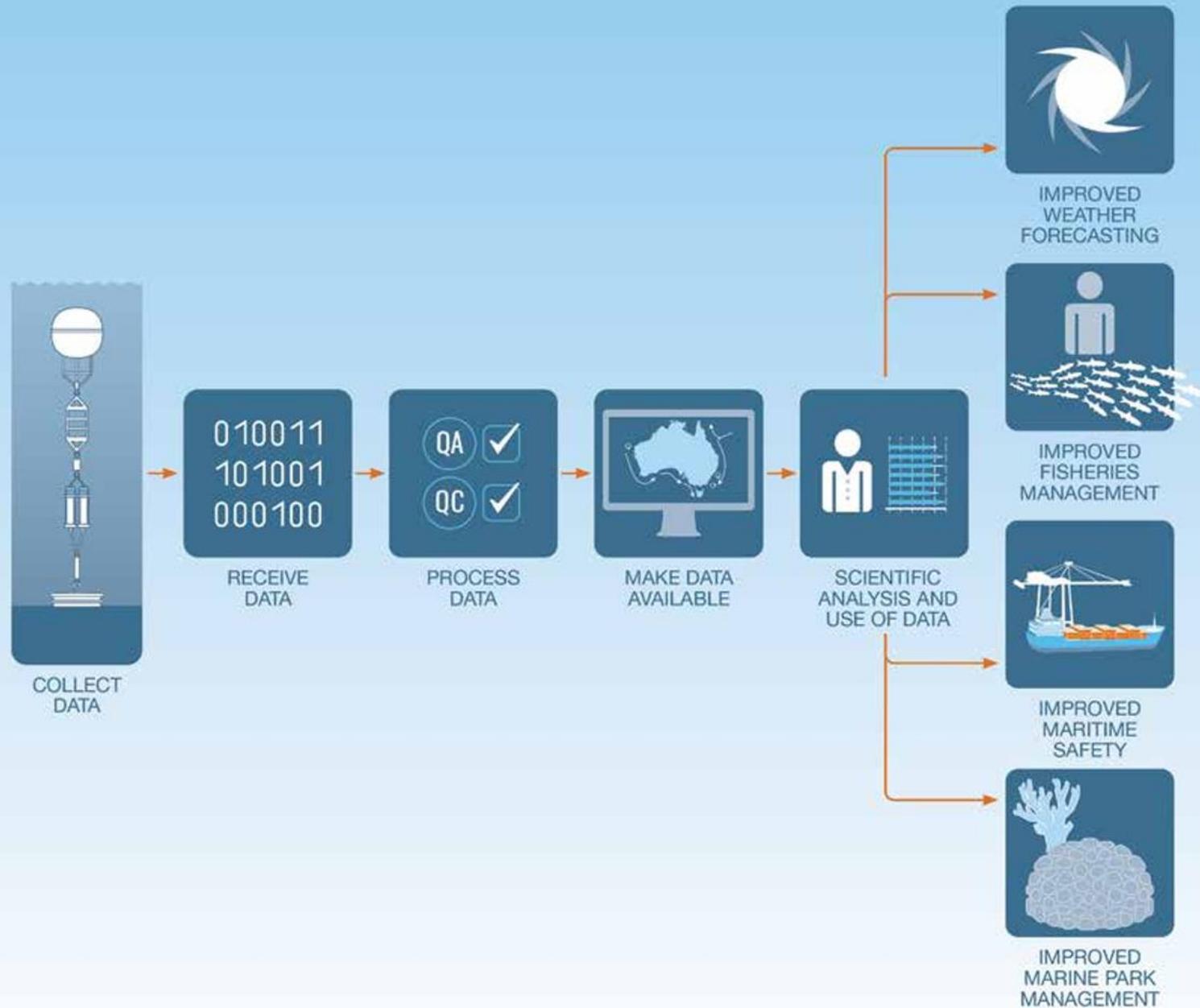
Operational success

Planned for and measured

Tracing ocean observations to real-world outcomes



Tracing ocean observations to real-world outcomes



How do we measure our impact?

- IMOS' impact framework is based on the Organisation for Economic Cooperation and Development (OECD) framework for assessing the scientific and socio-economic impact of research infrastructures.
- A modified OECD approach demonstrates how IMOS data is taken up and used thousands of times, creating impact and benefits at local, national and global scales.
- Data on outputs and applications of data underpin IMOS and OECD frameworks.
- This approach has set IMOS apart as a leader in impact measurement.



The overall metrics



Scientific

> 4700
Publications
produced to
date

> 3400 of
these are
journal
articles



Technology & Innovation

> 200 products
developed
including:

- IMOS
- OceanCurrent
- Biological Ocean Observer
- IMOS Live



Training & Education

> 300
postgraduate
theses

> 90 Current
postgraduate
students



Economic & Community

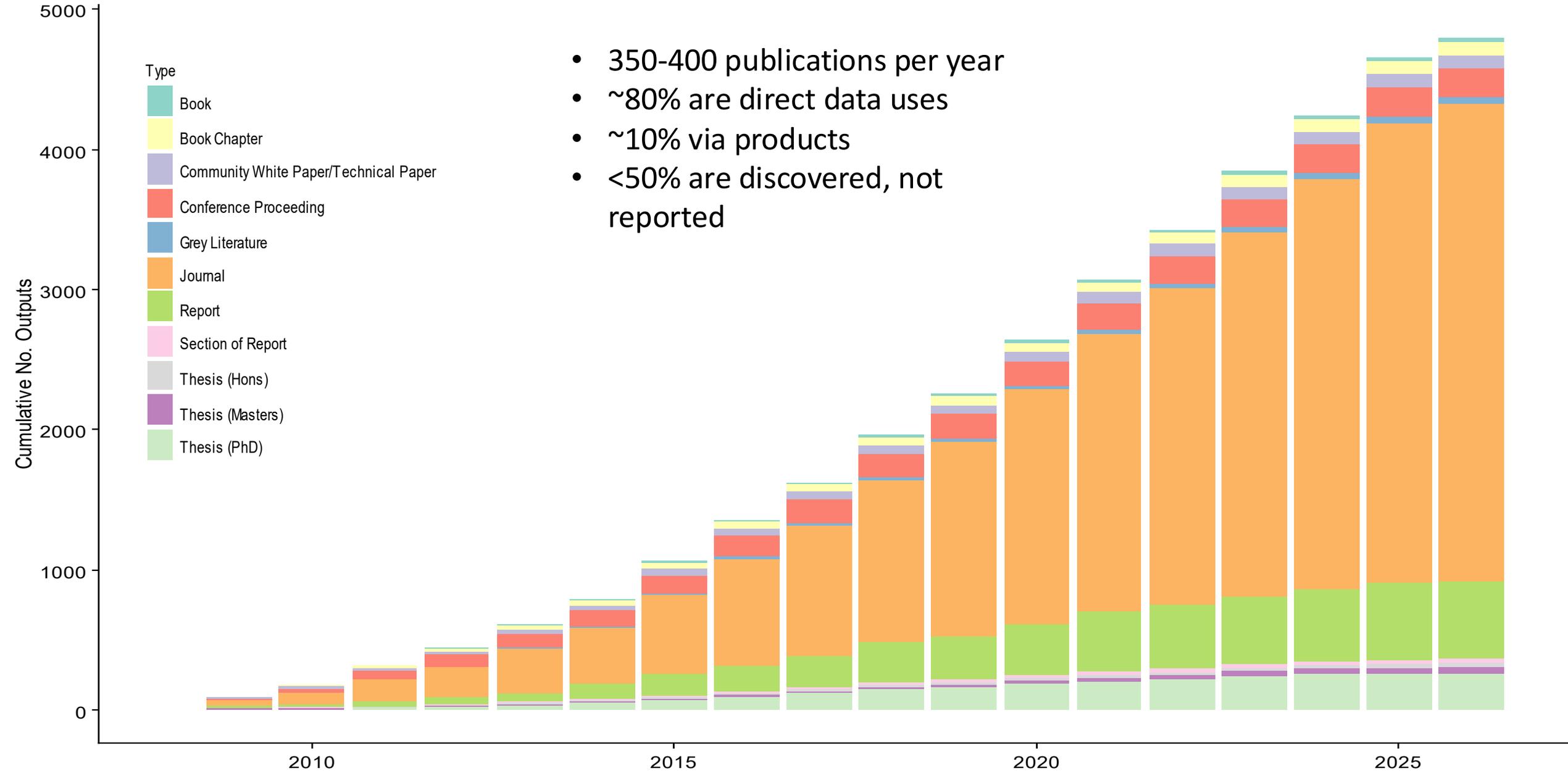
\$4.70 of
benefit for
every \$1
invested in
ocean
observations



Societal benefit

Data that
informs policy,
decision-
making,
maritime
safety and
more

Scientific output



How do we use these data?

Impact dashboards



Uptake and Use

- Publications & Policy
- Higher Education
- Societal Benefit

4,746
Publications

583
Policy and Policy-related Documents

537
Postgraduate Projects

239
Products

763
Projects

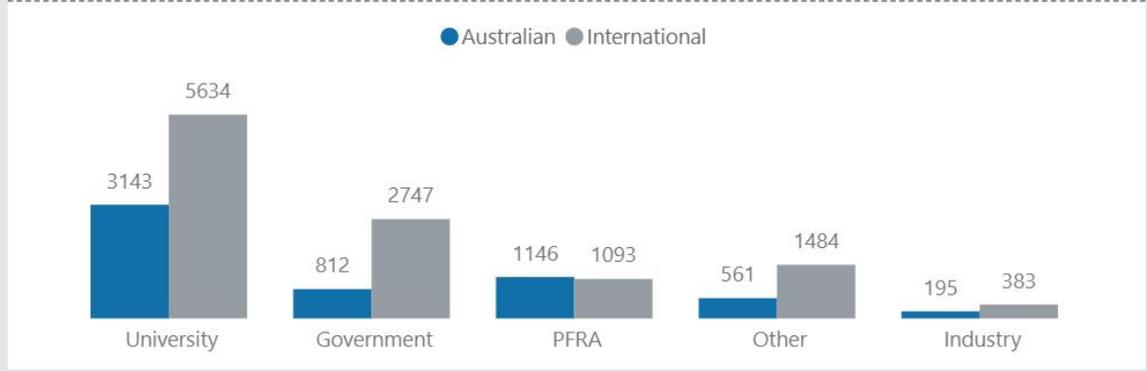
3,386
Presentations

15,406 People across **2,889 Institutions** in **106 Countries** have used IMOS data

Use of IMOS data across the globe



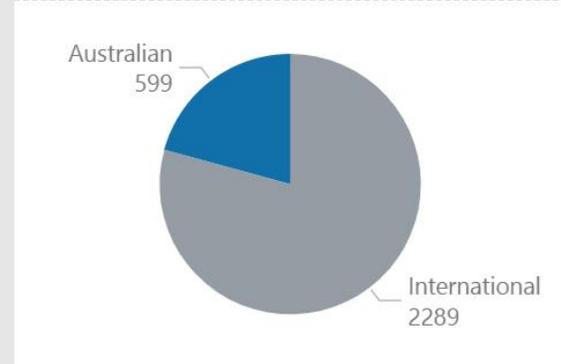
Users by Type and Region



Top 5 Countries by Number of Users



Institutions by Region



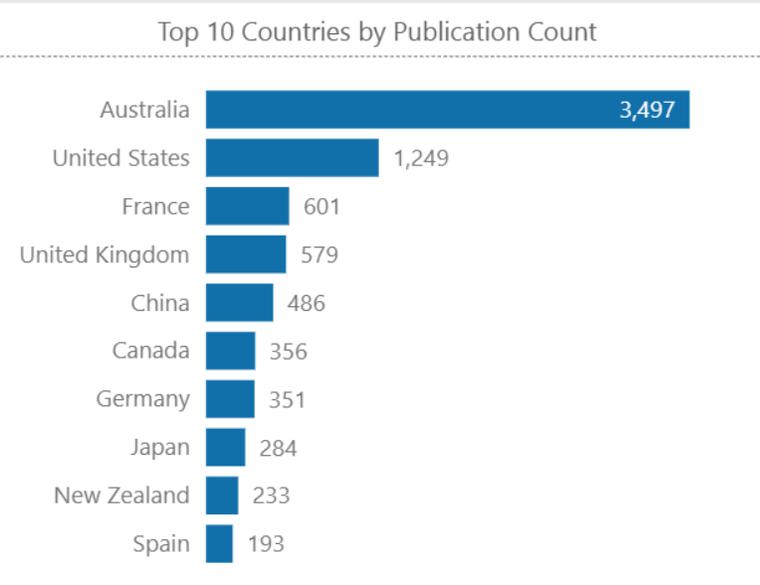
Impact dashboards



Publications & Policy

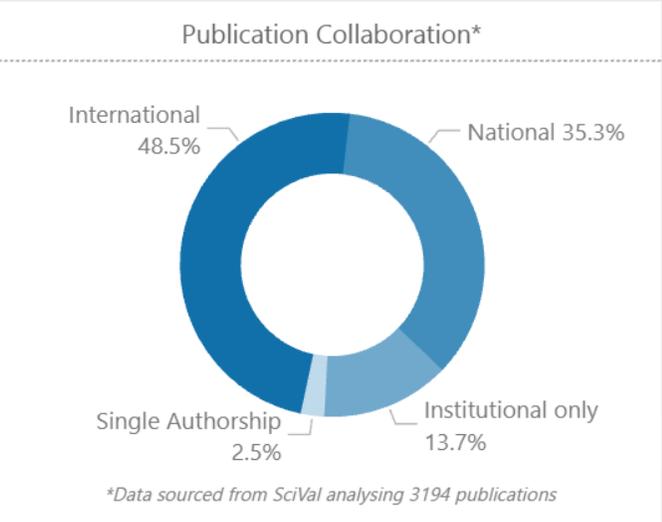
- Uptake and Use
- Higher Education
- Societal Benefit

4,745
Publications using IMOS data



Types of Publications

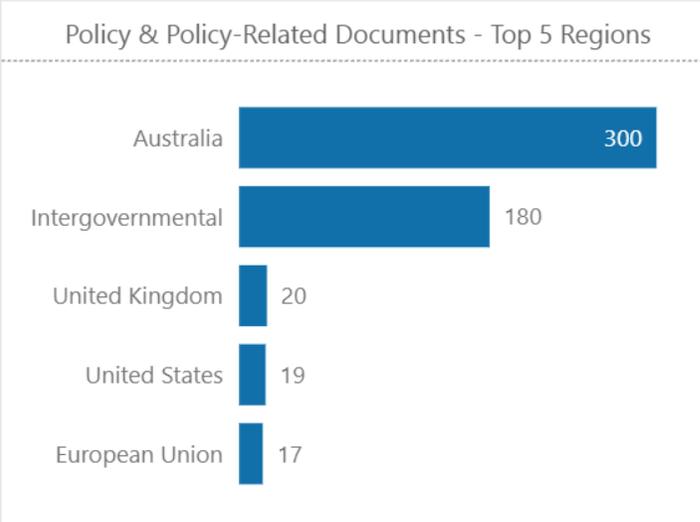
3404	Journal
571	Report/Section of Report
320	Thesis
210	Conference Proceeding
112	Book/Book Chapter
87	White Paper/Technical Paper
40	Grey Literature



583
Policy and Policy-related Documents

722
Publications cited in Policy Documents

1,409
Total citations in Policy Documents



Tracking and reporting policy applications

Report/policy guidance	# Facilities	# Publications
Australia's National Climate Risk Assessment (2025) & Technical Reports	19	42
State of the Climate (2024)	17	22
Great Barrier Reef Outlook Report (2024)	18	66
State of the Environment (2021)	24	99
IPCC Climate Change 2021: The Physical Science Basis (IPCC AR6 WG1)	27	119
All recorded policy /policy guidance	27	722

~20% of publications using IMOS data have been used in policy guidance



Impact dashboards



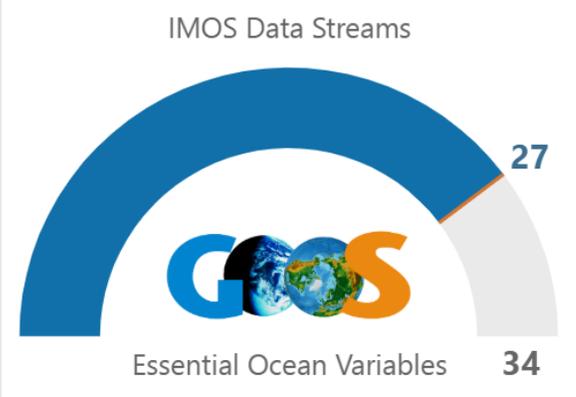
Societal Benefit

Uptake and Use

Publications & Policy

Higher Education

Publications supporting the advancement of



Publications with linkages to Research Areas

Climate change, variability & extremes



2187

Ocean health and management and the allocation of resources



1789

Operational services



917

Publications contributing to Societal Benefit Areas



Biodiversity conservation & management
1,629



Coastal Populations
715



Energy Security
150



Food Security
731



Marine sovereignty, security & safety
416

Impact dashboards

Data Streams and Ocean Variables

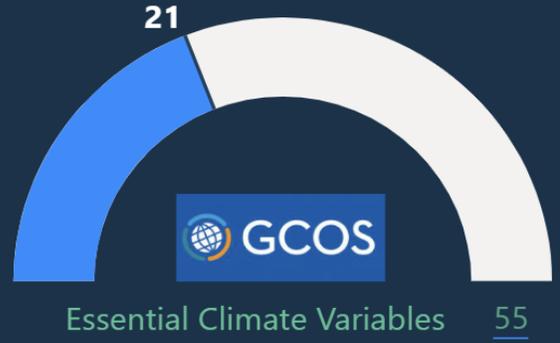
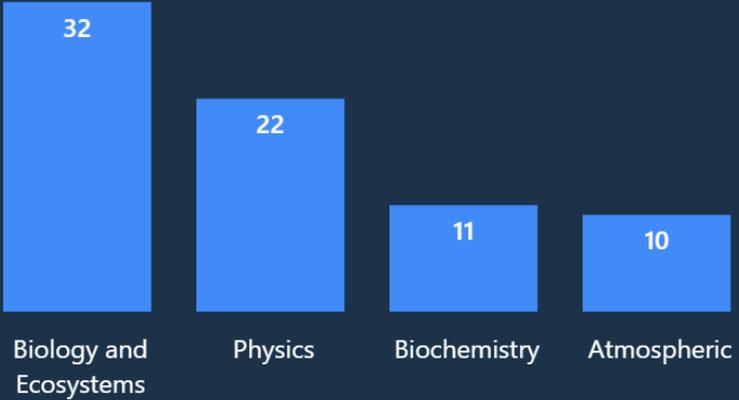


66
IMOS Data Streams Delivered

68
sub Facilities collecting and delivering data



Data Streams by Field



Some highlights after 20 years

Impressive statistics!

15 Nature publications

15 Science publications

1590 Publications with international authors

8 Average publication authors

485 Maximum publication authors

20 All top 20 Australian universities have published using IMOS data

37 Australian universities have published using IMOS data

90% Of the top 20 World universities have published using IMOS data

160 Australian government agencies have used IMOS data

376 International government agencies have used IMOS data

Our newest showcase



Australia's Integrated Marine Observing System is enabled by the National Collaborative Research Infrastructure Strategy (NCRIS). It is operated by a consortium of institutions as an unincorporated joint venture, with the University of Tasmania as Lead Agent.

PRINCIPAL PARTICIPANTS



SIMS is a partnership involving four universities

ASSOCIATE PARTICIPANTS



IMOS thanks the many other organisations who partner with IMOS, providing co-investment, funding and operational support, including investment from the Tasmanian and Western Australian Governments.

