



Uptake and use of IMOS observations and data

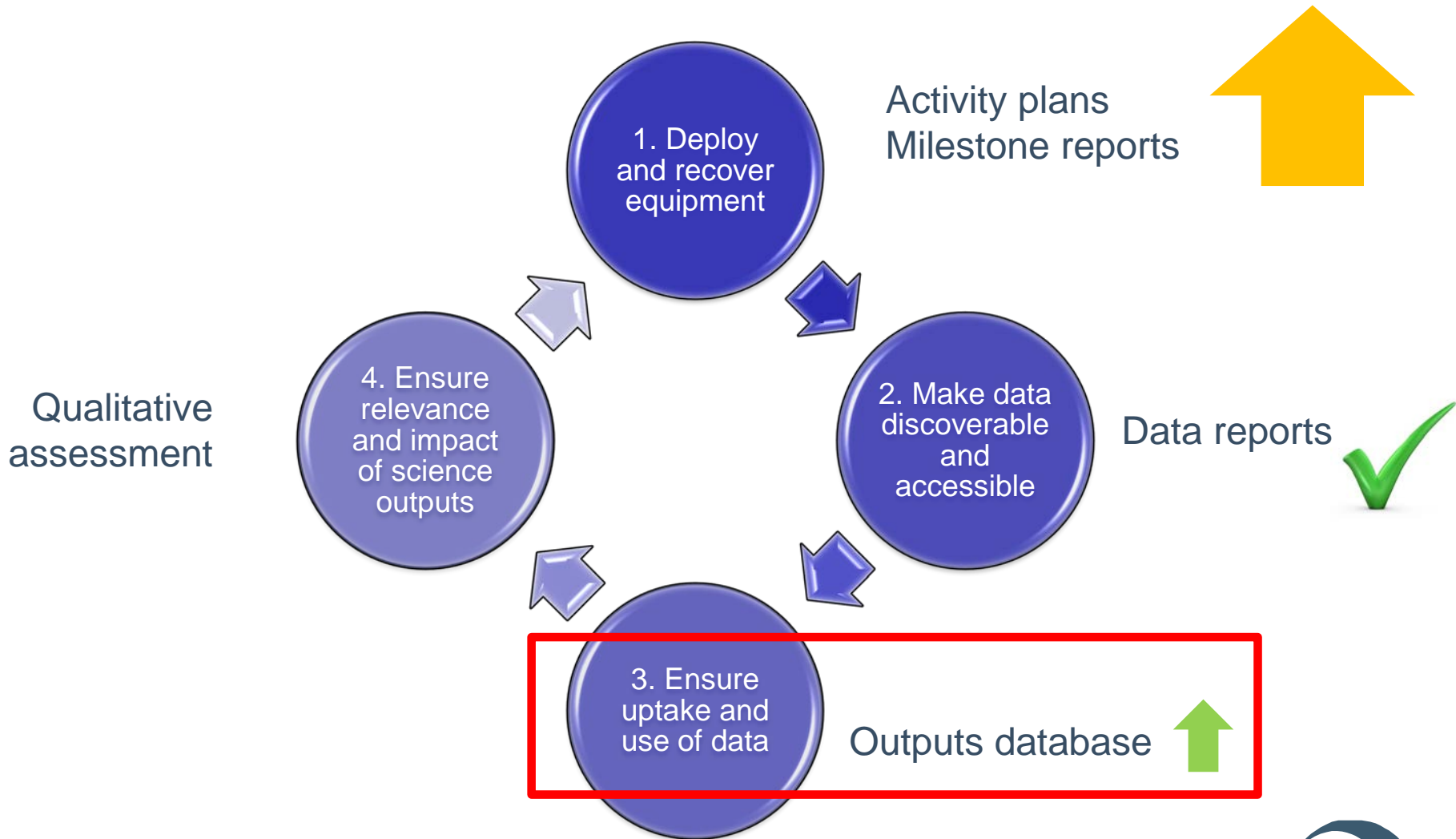
- are we capturing everything now, and
- what can we do to accelerate uptake and use?

Tim Moltmann, IMOS Director

16 February 2017

1. Are we capturing everything now?

Performance assessment and improvement



Uptake and use of IMOS obs and data



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Introducing IMOS > Publications > IMOS Publications Database

IMOS publications

As part of our annual reporting to our Funding Body, the Department of Education and Training, IMOS is required to report on a range of Performance Indicators. Many are related to how data is used and taken up in scientific publications, research projects and conference and public presentations.

IMOS and AODN staff have created a publication and presentation database to compile and store this performance indicator data. It also allows reports to be created by Facility and Node.

To review what data is necessary for entering publications, projects, presentations, postgraduates into the IMOS Publication and Project Database, click here.

If you have any questions regarding the data, or corrections, or would like to add a publication or presentation that uses IMOS data please first contact the IMOS office via email: publications@imos.org.au. The performance indicator reports can be downloaded directly below. They are listed by Facility and Node.

Projects:

Research Projects Facility Node
Postgraduate Projects Facility Node

Publications:

Journal articles Facility Node
Journal articles in press Facility Node
Book Chapters Facility Node
Community White Papers/Technical Papers Facility Node
Conference Proceedings Facility Node
Reports Facility Node
Theses Facility Node

Presentations:

Conference, Workshop or Symposium presentations Facility Node
Public seminars Facility Node

Data Products:

Data Products Facility Node

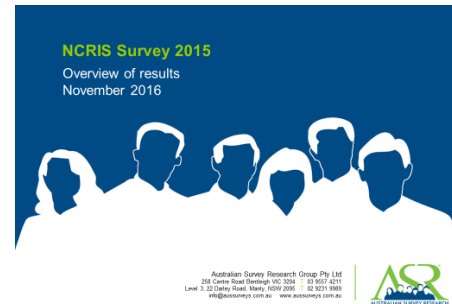
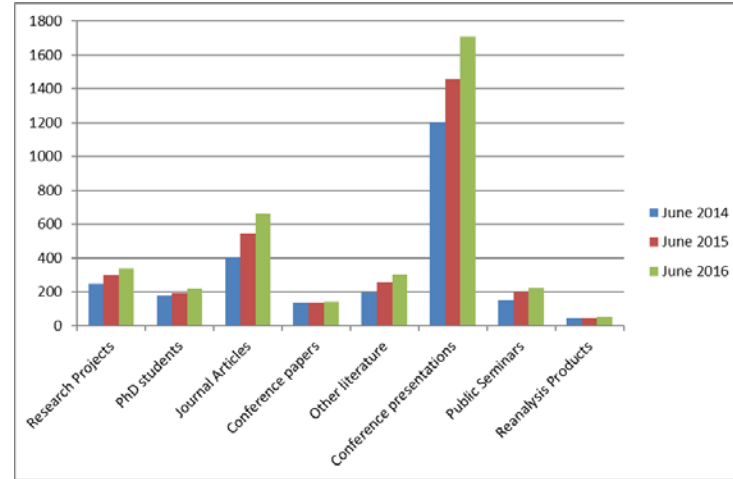
The Facility and Node reports can be downloaded via individual pages within their section of the website. Direct links to the reports are below.

Facility Reports:

Argo Floats
Ships of Opportunity
Deep Water Moorings
Ocean C-Data
Autonomous Underwater Vehicle
National Mooring Network
Ocean Radar
Animal Tracking and Monitoring
Wireless Sensor Networks
Australian Ocean Data Network (AODN)
Satellite Remote Sensing (SRS)
IMOS Office
Ocean Current
No Associated Facility

Node Reports:

Blue Water and Climate
Queensland's Integrated Marine Observing System (QIMOS)
New South Wales IMOS (NSW-IMOS)
Southern Australian IMOS (SA-IMOS)
Western Australian IMOS (WA-IMOS)
South East Australia IMOS (SEA-IMOS)
No Associated Node



1. Are we capturing everything now?

- issues identified (Ana, Emma Jac, Kate, Jo)

- We suspect IMOS is under-reporting uptake and use
 - grey literature, industry use, research projects, university use
- Why might this be so?
- Reporting is heavily reliant on Facilities
 - may not know who is using open access data
- Nodes capture some additional use, but it's patchy
 - Nodes not resourced to do this, different Node models
- Importance of reporting uptake and use is regularly emphasized to the IMOS 'core' community
 - but these messages may not reach the wider community

1. Are we capturing everything now?

- issues identified (Ana, Emma Jac, Kate, Jo)

- Other issues

- Compliance with Acknowledgements Policy?

- Compliance with CC BY licences?

- Data accessed in multiple ways?

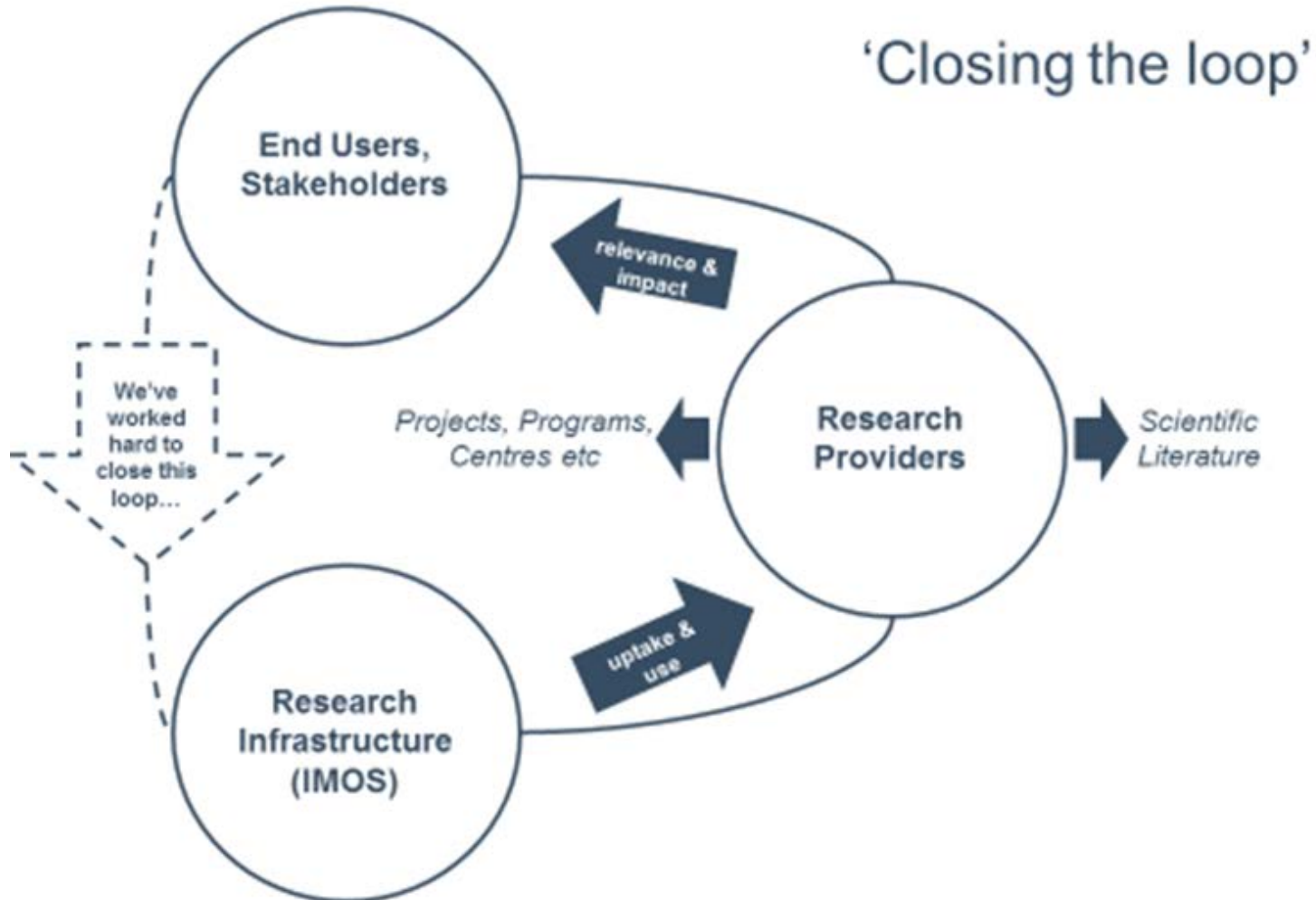
- What to do?

- Dedicate additional staff resources in the IMOS Office to focus explicitly on improved measurement of output, and take the current 'Publications' database to the next level

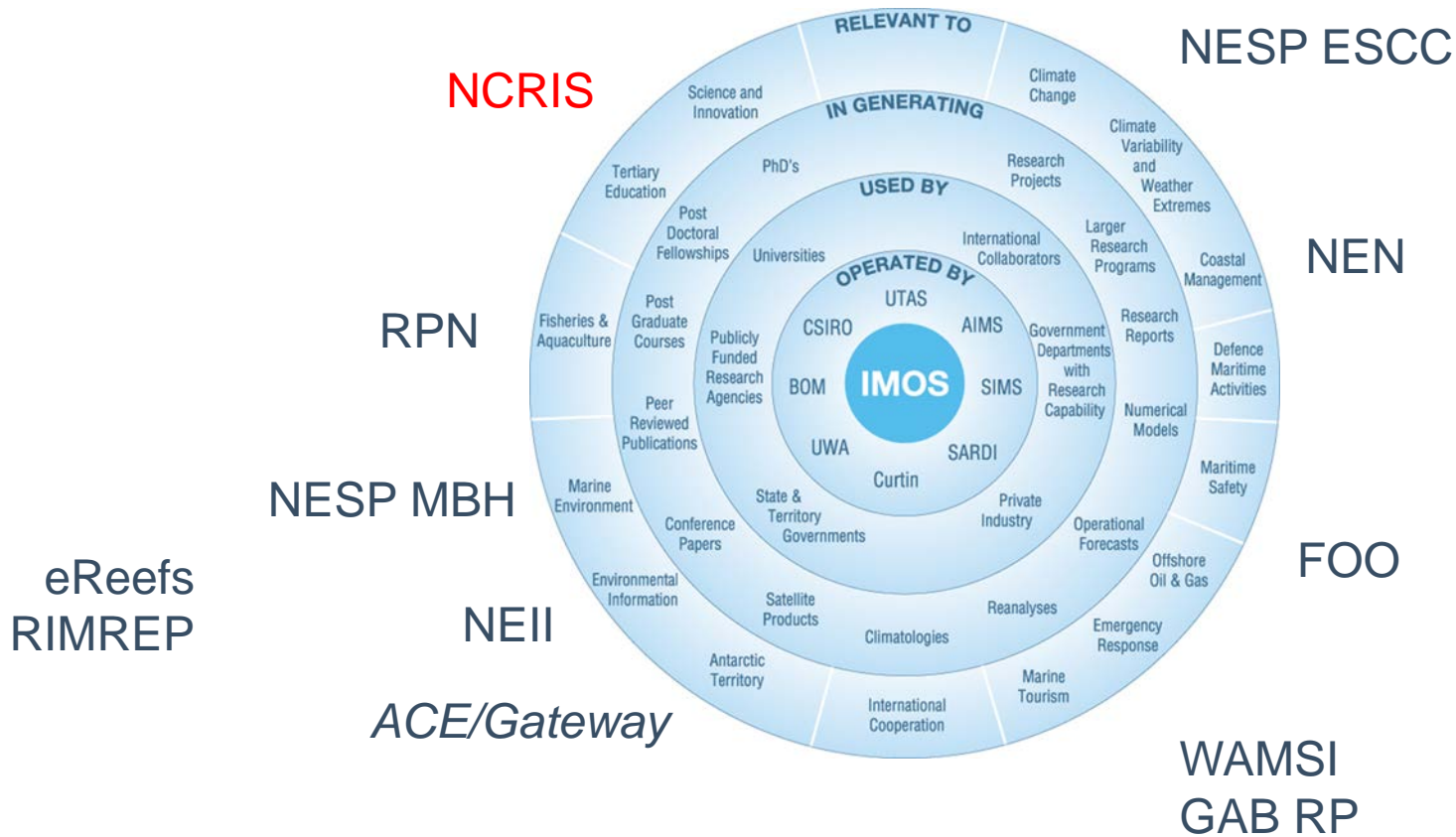
- Aim is for this to be a one-off additional effort, to address legacy and implement better systems

2. What can we do to accelerate uptake and use?

IMOS relevance and impact



IMOS relevance and impact



2. What can we do to accelerate uptake and use?

- As noted in the Meeting Overview at the front of the Agenda...
- *... it is reasonable for our funders, users and stakeholders to expect more than linear increases in uptake and impact given the significant capability and data holdings built up over the first decade. We have an opportunity to take IMOS to the next level and need to make concrete plans to this end.*

2. What can we do to accelerate uptake and use?

- We'll need to consider whether our current systems and structures are up to the task
- This includes the role of Nodes in driving uptake and use
- Issues include:
 - Nodes not directly funded, seen as 'science citizenship'
 - Competition for project and program funding to do the research can make driving collaborative uptake difficult
 - Significant heterogeneity across Nodes
- For further discussion...

DISCUSSION

1. Are we capturing everything now?
 - Suspect we're not
 - Issues identified
 - Planning to dedicate resources to this in 2017

2. What can we do to accelerate uptake and use?
 - Opportunity to take IMOS to the next level
 - Need to review current systems and structures, including role of Nodes in uptake and use
 - Some obvious issues, perhaps others?
 - Looking to start a discussion...

NCRIS
National Research
Infrastructure for Australia
An Australian Government Initiative



IMOS is a national collaborative research infrastructure, supported by Australian Government. It is led by University of Tasmania in partnership with the Australian marine & climate science community.

www.imos.org.au



The Operators of the IMOS infrastructure are:

