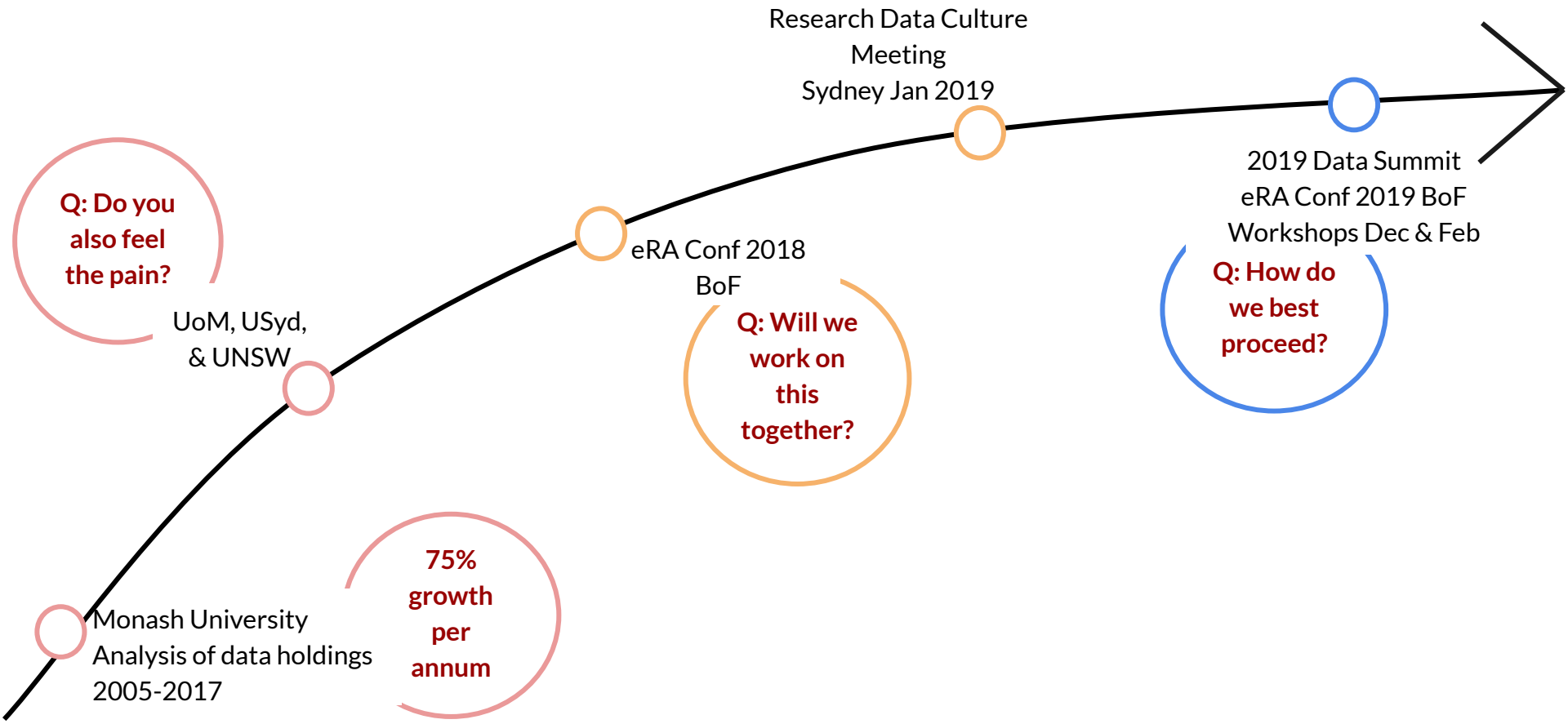


# **An Effective and Affordable Research Data Culture**

**Rhys Francis, Ai-Lin Soo, Steve Quenette**

# The journey so far...



**Q: Do you also feel the pain?**

UoM, USyd, & UNSW

eRA Conf 2018  
BoF

**Q: Will we work on this together?**

Research Data Culture Meeting  
Sydney Jan 2019

2019 Data Summit  
eRA Conf 2019 BoF  
Workshops Dec & Feb

**Q: How do we best proceed?**

Monash University  
Analysis of data holdings  
2005-2017

**75%  
growth  
per  
annum**

## eRA Conference 2018 BoF

We need (lots of things - in summary):

- Data management solutions building on all the 'pillars'
- A reference model for implementing Research Data Management Plans 2.0 (RDMP-2.0).

RDMP-2.0 should be naturally generated as a result of research being done in the university environment and designed to help automate subsequent decision making.

## Research Data Culture meeting Sydney 2019

An exploratory meeting of the 'pillars' - library, records, archive, IT and eResearch

With attendees from ANU, Monash, UNSW, UoM, UQ, USyd, UWA, and DepEd, UA, ARDC

Exponential growth in data creation and its use means:

- institutions will coordinate large-scale infrastructure

Efficiency depends on

- the availability of information and metadata
- the recognition of constraints
- and must involve researchers

Changing research practice is a hard problem

# Challenges

**National domain data collections**  
IMOS, TERN, BPA, ALA, Astro, ADA, others

**System wide outcomes**  
FAIR Data Safety Net  
Federated data collections



**It is a Multi-Group, Multi-Responsibility Multi-Support, activity within a university**

Needs collaboration from the 6 pillars (archives, eResearch, IT, library, records and the research office)

**Governance first /  
best practice**

Accelerate a change in  
practice across many  
universities

**Research Data  
Management**

Focus on the P-Dimension  
(People - Policy - Process)  
  
More than, the  
T-Dimension (Technology -  
Tools - Transformation)

**Plan for life cycle**

Improve the capacity to  
capture,  
share and dispose from  
the outset

**Researcher centric**

Has low barriers, low  
effort to perform  
Helps the researcher in  
research terms

**Automate where  
possible**

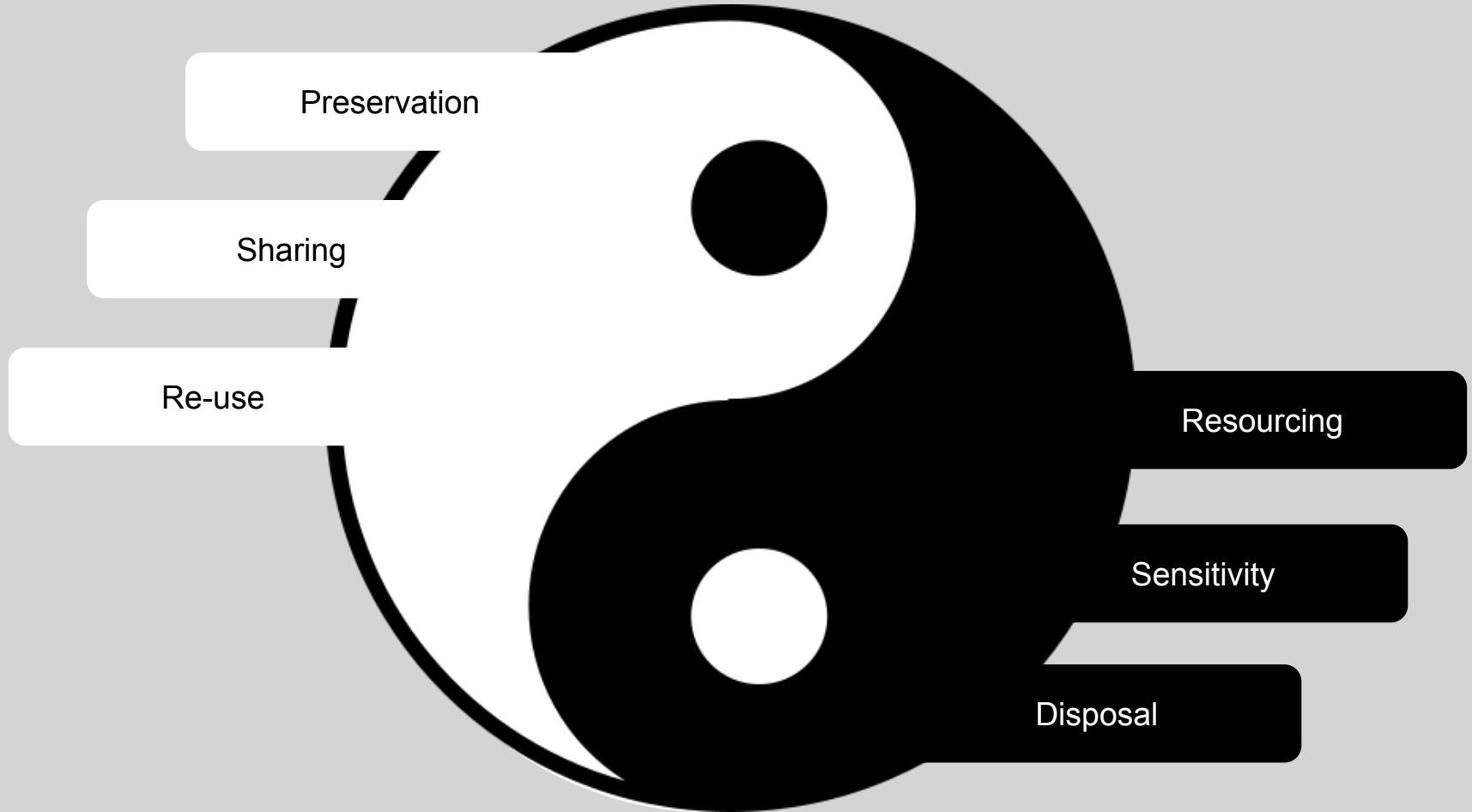
Focus the use of human  
capital to support research  
and research domain specific  
needs

# ARDC Questions

## ARDC is seeking input from the sector

- How can national and institutional data collections infrastructure integrate into a more coherent national data system?
- What role should institutions have in a national data commons and what role does a national data commons play for institutions?
- What ongoing arrangements/structures might be required for mutual value adding?
- How can investments in FAIR be aligned with institutional priorities such as GDPR, sensitive data, disposal and capacities at large?

# Institutions confront the Yin & Yang of data



# Institutions confront the Yin & Yang of data

Preservation

Sharing

Re-use

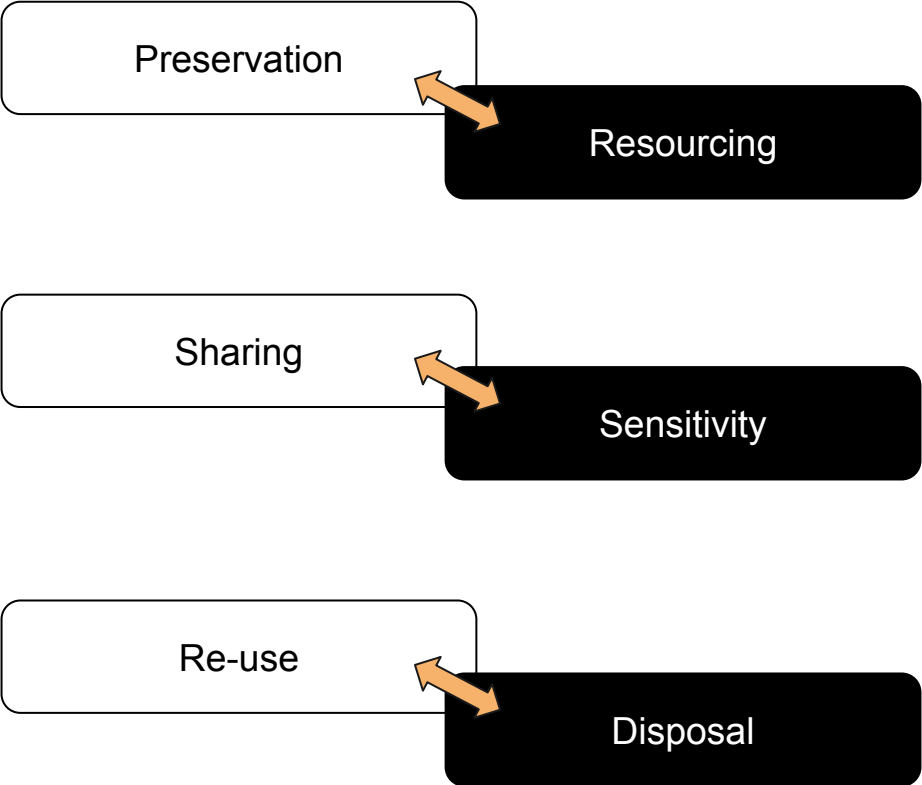
Institutions seek a  
Research Data Culture  
that enables practices  
that address all of the  
challenges that data  
provides

Resourcing

Sensitivity

Disposal

# Open input





# December Workshop

Programme might be

10am	Welcome and background	Introduction Rhys, Steve, Adrian
10.15am	Summary of RDC interests	
10.15am	Showbags & discussion	Examples of state-of-the-art in open access data
11.15am	Showbags & discussion	Examples of state-of-the-art in sensitive data
12.15pm	<lunch>	
1.00	Showbags & discussion	Examples of state-of-the-art in researcher participation OR Examples of state-of-the-art in preservation and resourcing
2.00	Showbags & discussion	Examples of state-of-the-art in cradle-to-grave for data
3.00	Key issues arising	Observations from above Emerging ARDC strategy ARDC questions - next actions
4.30	Close and thank you	Second workshop will address continuing mechanisms for institutional / ARDC interaction strategy

Showbag examples would explain (10 minutes each):

- What is being achieved
- Participation of the pillars (archive, DVCsR, eResearch, ITS, Library, records, researchers)