Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

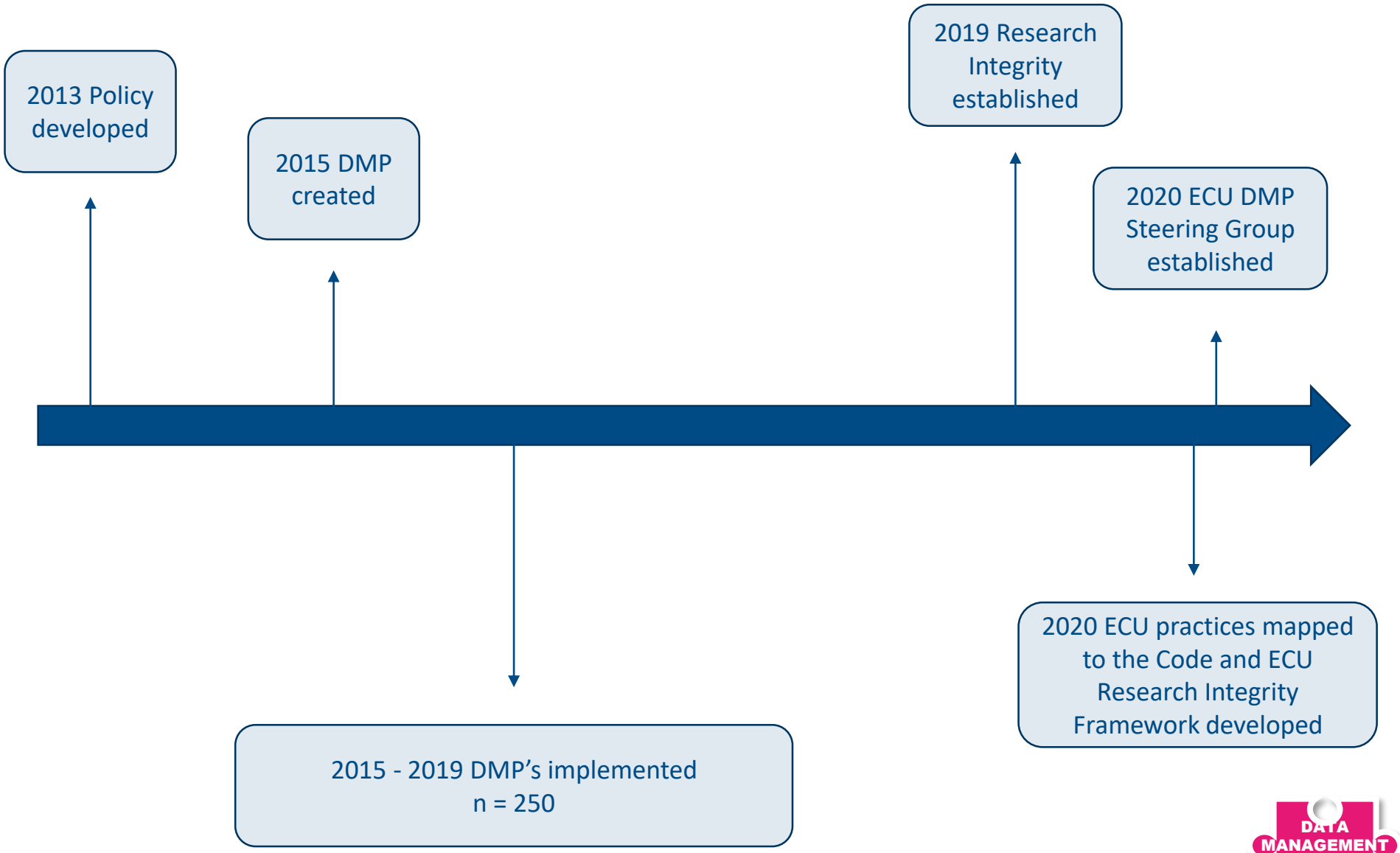
Data Management Planning at ECU

DATA MANAGEMENT PLANNING

History of the data management journey at ECU

Research Services

AUSTRALIA ECU EDITH COWAN UNIVERSITY



DATA MANAGEMENT PLANNING

The actual experience 2015 - 2020

Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

DATA MANAGEMENT POLICY IN PLACE

PAPER-BASED DMP

POOR COMPLIANCE

250 DMP's completed in 5 years

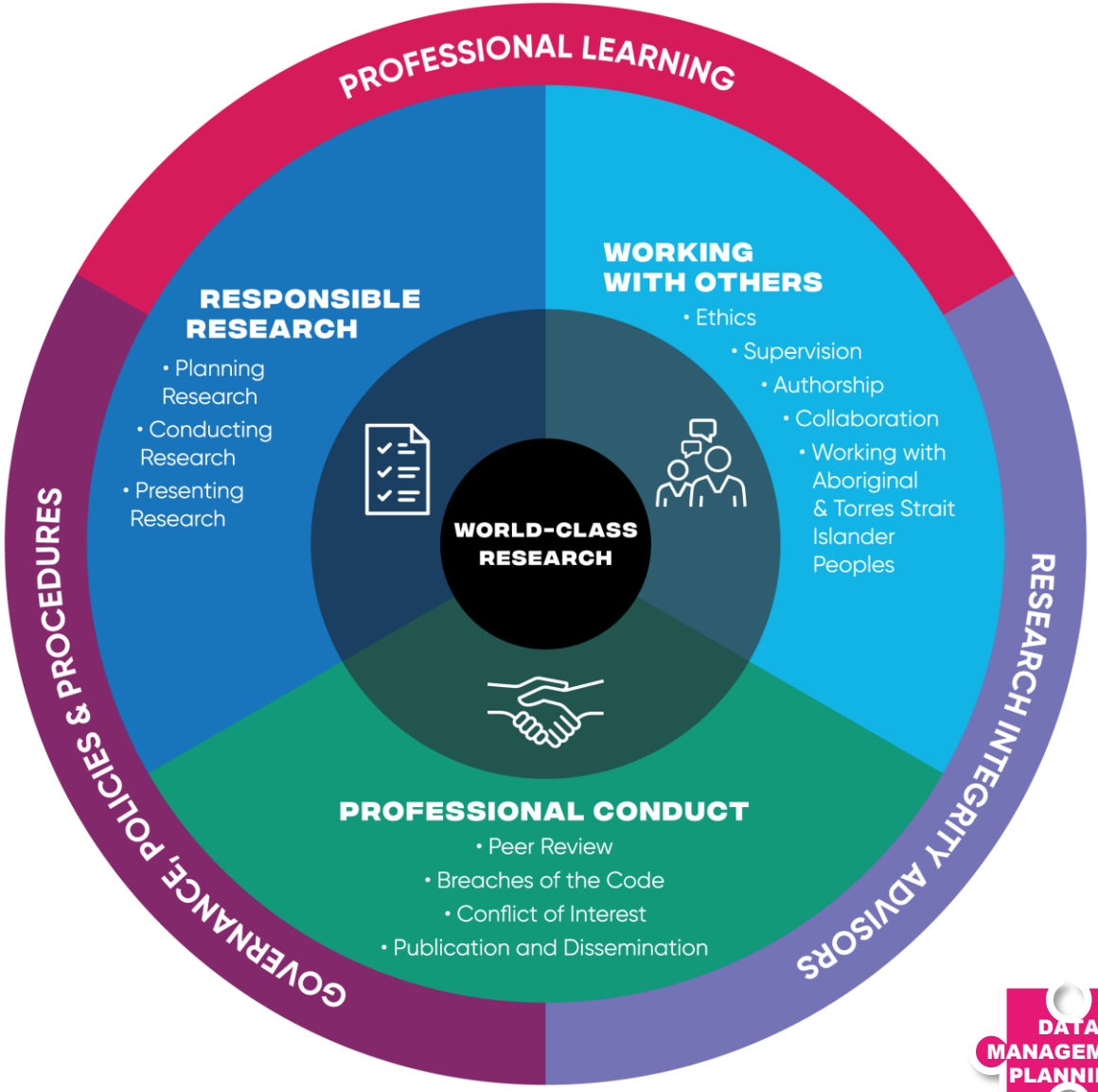
DATA MANAGEMENT PLANNING

2019 – 20 ECU's Approach to Research Integrity

Research Services

ECU EDITH COWAN UNIVERSITY AUSTRALIA

ECU has developed a formal approach to reflect our alignment and application of *the Code*.



DATA MANAGEMENT PLANNING

2020 priority

Research Services

In order for ECU to discharge its duties to store, retain and reuse the data according to laws and best practice standards, researchers must advise institutions:

- what data they have;
- who can access it;
- where it is being stored;
- how it is secured;
- how it will be retained post-project; and
- if the data can be reused.

DATA MANAGEMENT PLANNING

2020

Research Services

AUSTRALIA ECU EDITH COWAN UNIVERSITY

Data Management Steering Group

Research Services, IT, Information Security, Information Management, Library & Researchers

Oversight of data management formally delegated to Research Services with input from the Steering Group

Data Management Conceptual Framework co-developed grounded in best practice

Data Management Plan questions developed

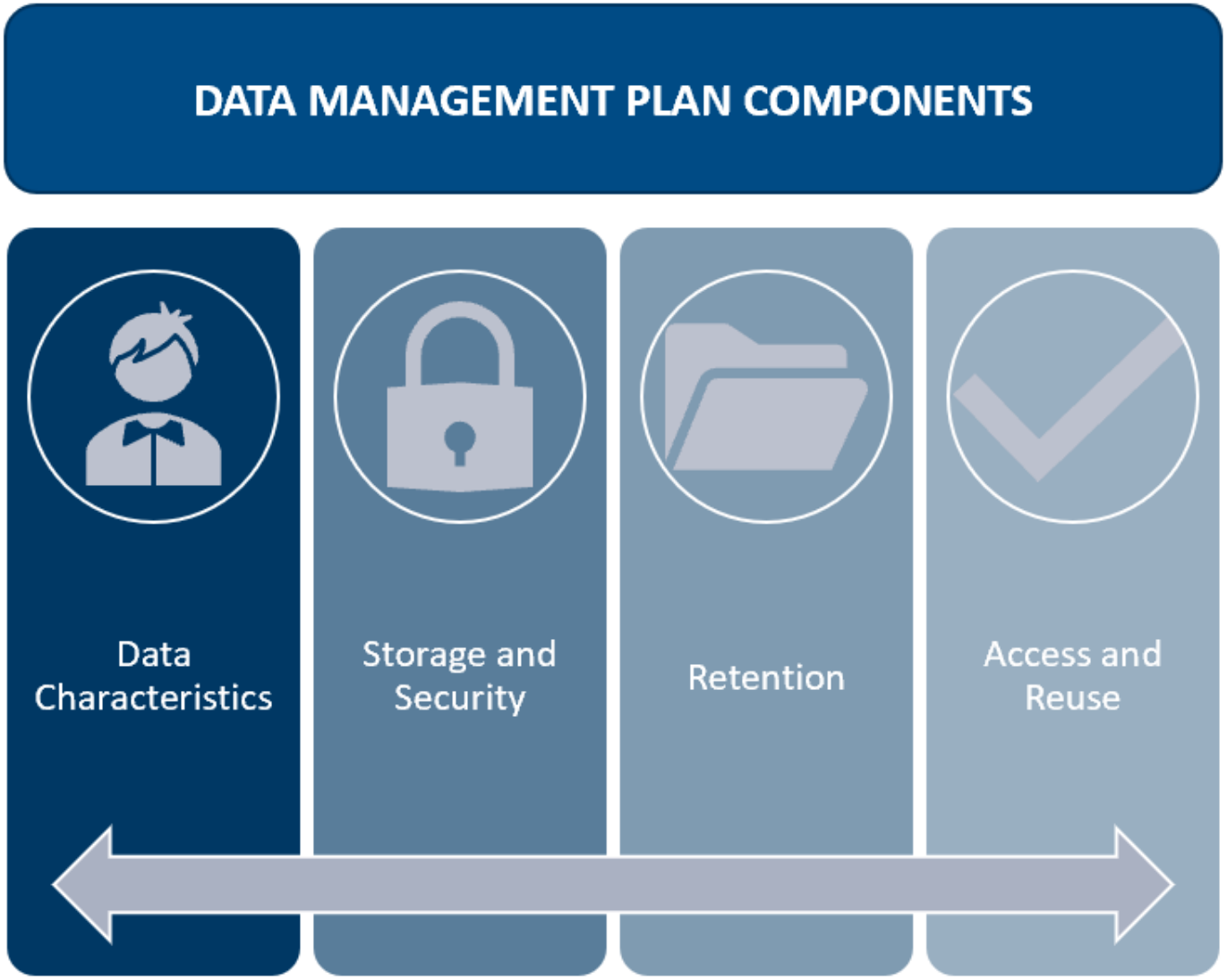
Data Management Plan integrated into Research Ethics Management System

DATA MANAGEMENT PLANNING

Conceptual Framework – the Four Pillars

Research Services

AUSTRALIA ECU EDITH COWAN UNIVERSITY



DATA MANAGEMENT PLANNING

Data Management Planning

Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

Data Characteristics

Describing the features and identifying attributes of the data you are collecting or generating as part of your research.

Questions

- Sensitive Data
- Data collection dates
- Data identifiability
- Genomic research

Storage and Security

Identifying processes to safely and securely store your research data.

Questions

- Centrally provisioned storage
- Data format
- Digital storage and file size

Retention

Outlining the ongoing storage and archiving requirements of the research data after the project has been completed to ensure federal and state compliance.

Questions

- Anticipated retention dates
- Retention period

Access and Reuse

Considering the benefits of making the research data openly accessible and discoverable, including the potential for future reuse of the data by yourself and other researchers.

Questions

- Additional access requirements
- Data sharing intentions
- Future use of data

DATA MANAGEMENT PLANNING

How does this work at ECU?

Research Services

ECU EDITH COWAN UNIVERSITY AUSTRALIA

All research at ECU should be first tested in the Research Ethics Management System (REMS) to determine if ethical review is required

For all research, regardless of whether ethical review is required, a data management plan will then be created within REMS

DATA MANAGEMENT PLANNING

Congratulations, you have completed a DMP – now what?

Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

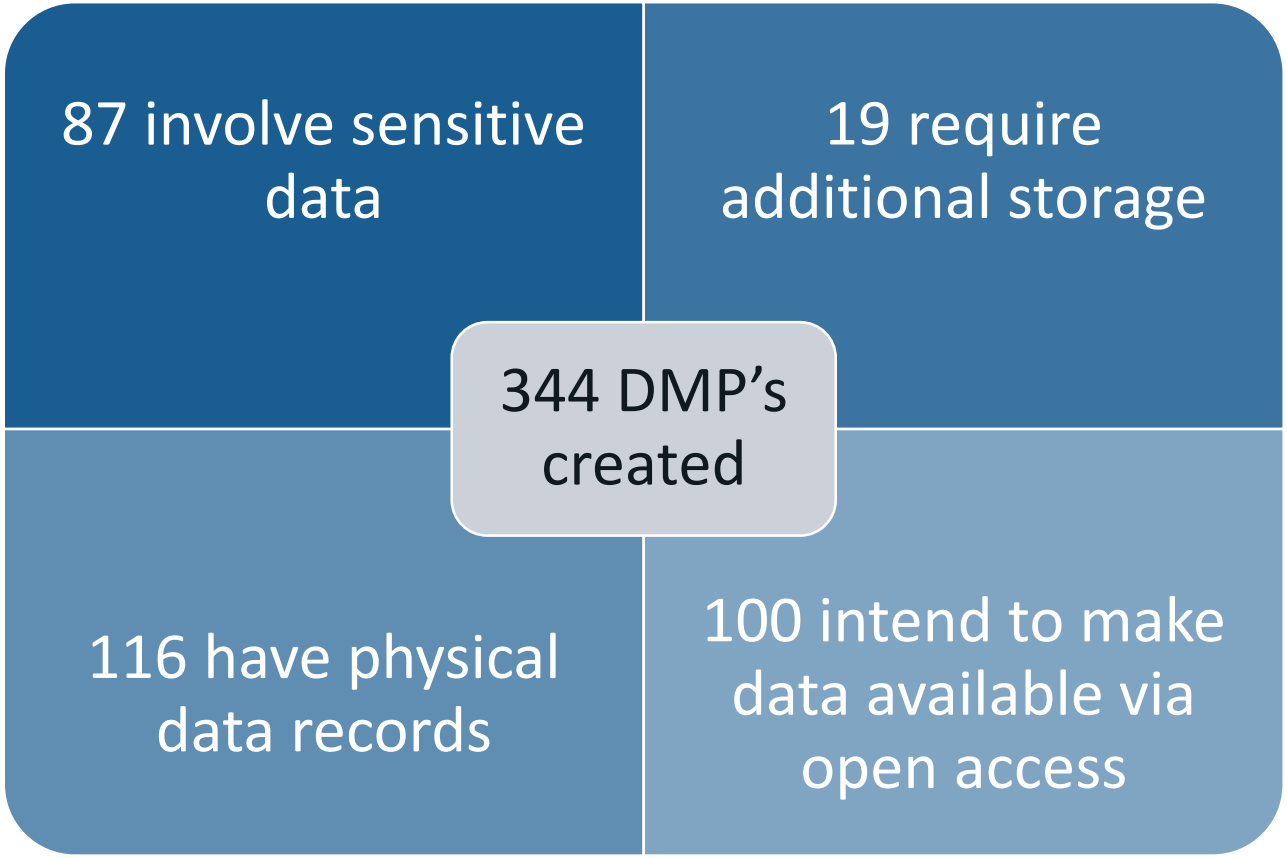
- DMP information securely stored in SharePoint
- Notifies IT if additional security or space required
- Notifies Library if data are to be shared in the repository
- Notifies Information Management of retention-ready date
- Allocates secure SharePoint storage for all research records
- DMP can be modified by a researcher at any time
- Sends reminders when data are retention ready

DATA MANAGEMENT PLANNING

Since mid 2020…

Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

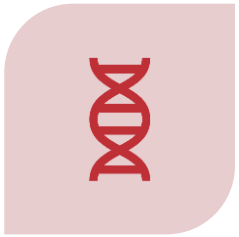


DATA MANAGEMENT PLANNING

All new research data at ECU is now:

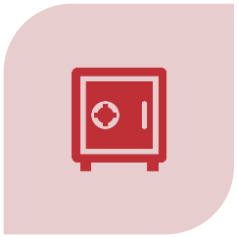
Research Services

AUSTRALIA ECU EDITH COWAN UNIVERSITY

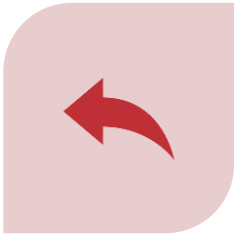


KNOWN

MANAGED



SECURED



RETAINED

REUSABLE

DATA MANAGEMENT PLANNING

Key to success

Research Services

ECU AUSTRALIA EDITH COWAN UNIVERSITY

Clear leadership

Shared vision

Integrated, automated, online DMP

Provide real-time information to relevant service centres to best support ECU researchers to effectively manage their data

DATA MANAGEMENT PLANNING

Research Services

AUSTRALIA ECU EDITH COWAN UNIVERSITY

Dr Stacey Waters
Manager Research Governance
Edith Cowan University