

Introduction to Research Data Management

The life of research data

Introduction

In this section, we'll introduce the data management perspective by looking at the life of research data.

The life of data

The research project is proposed.

...

Research papers are published.

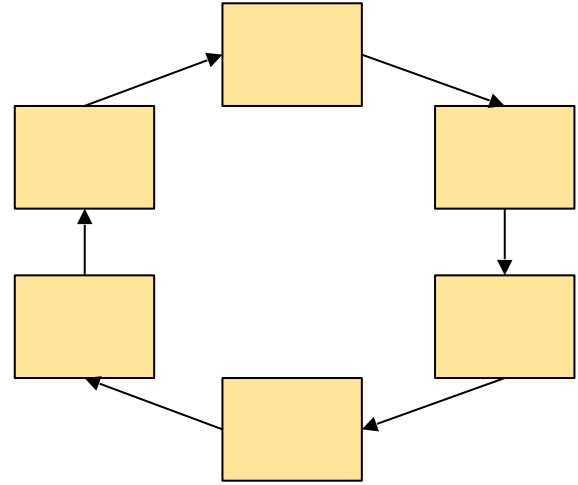
...

The research project ends.

...

Someone wants to reuse data.

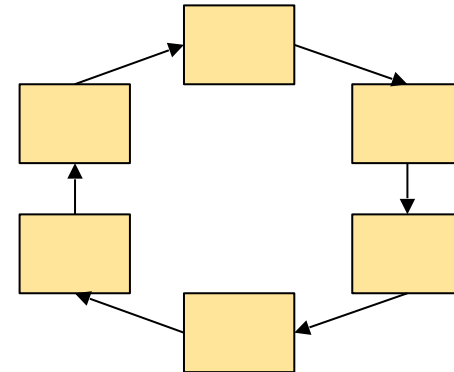
Diagrams as a tool



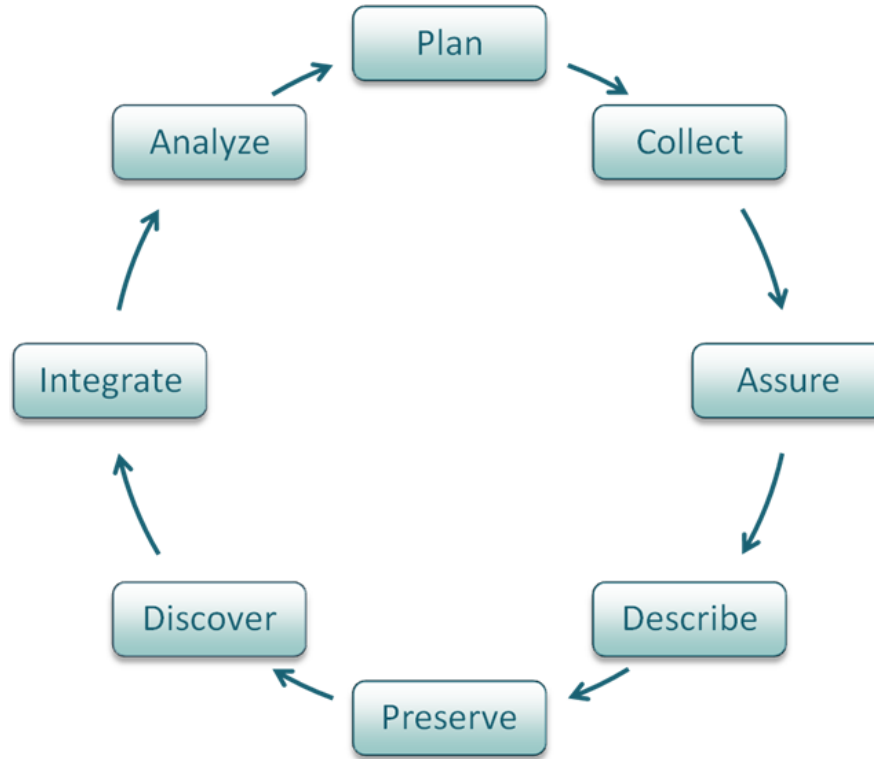
Exercise

Use sticky notes to diagram major steps in the life of your research data.

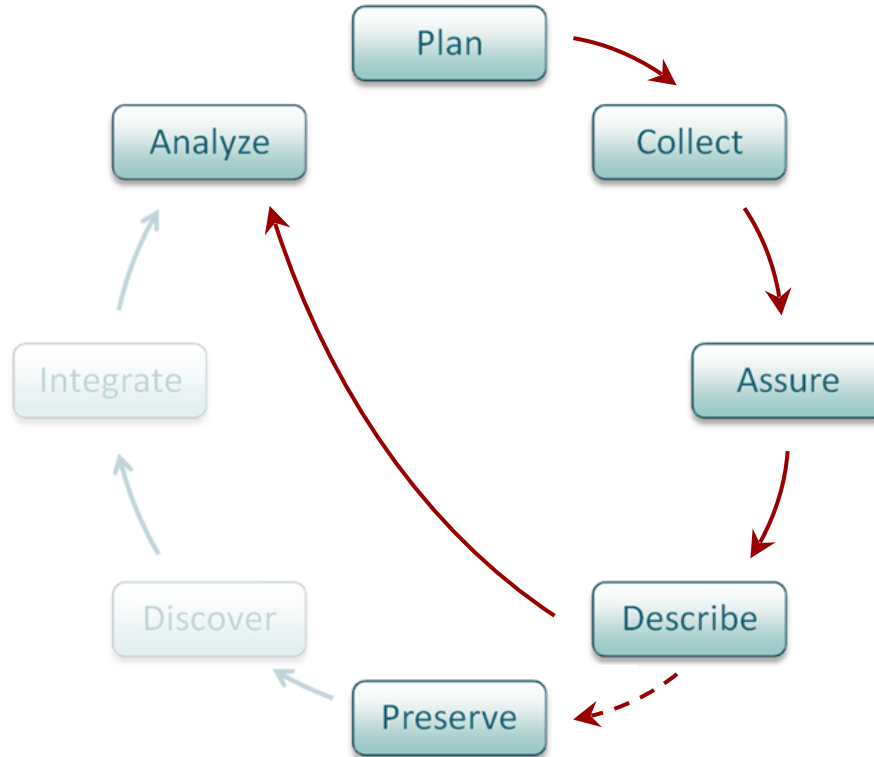
- Create an overview of the data over time.
- Cover the period from project proposal to data deletion or reuse.
- It's okay to have a few broad steps.



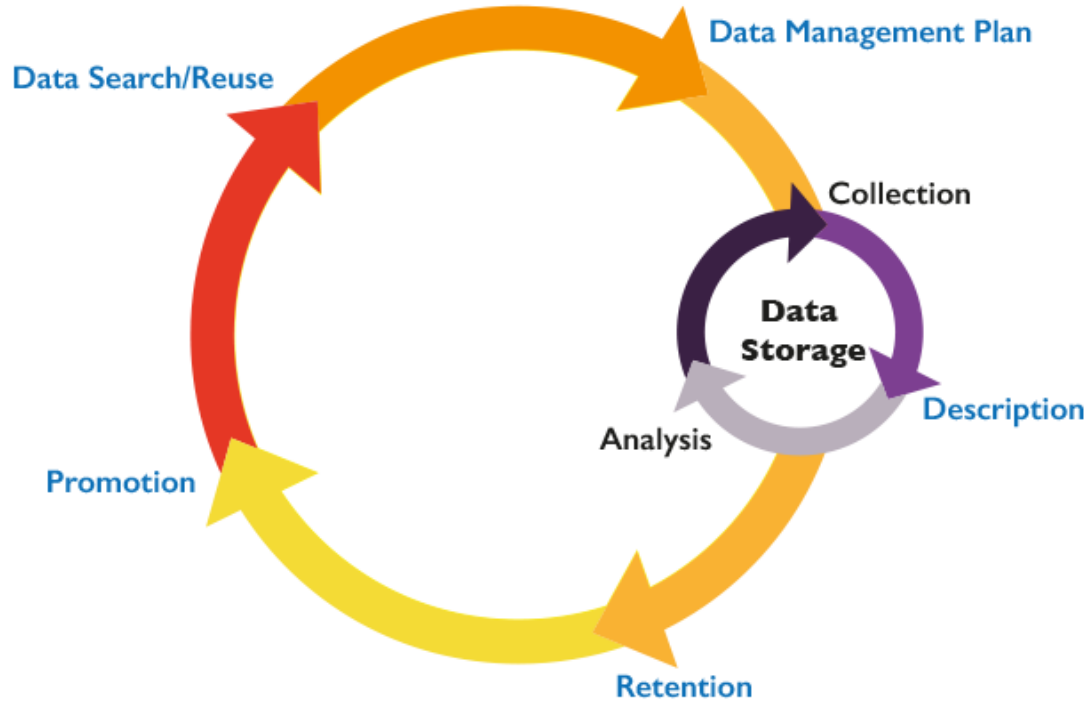
DataONE lifecycle diagram



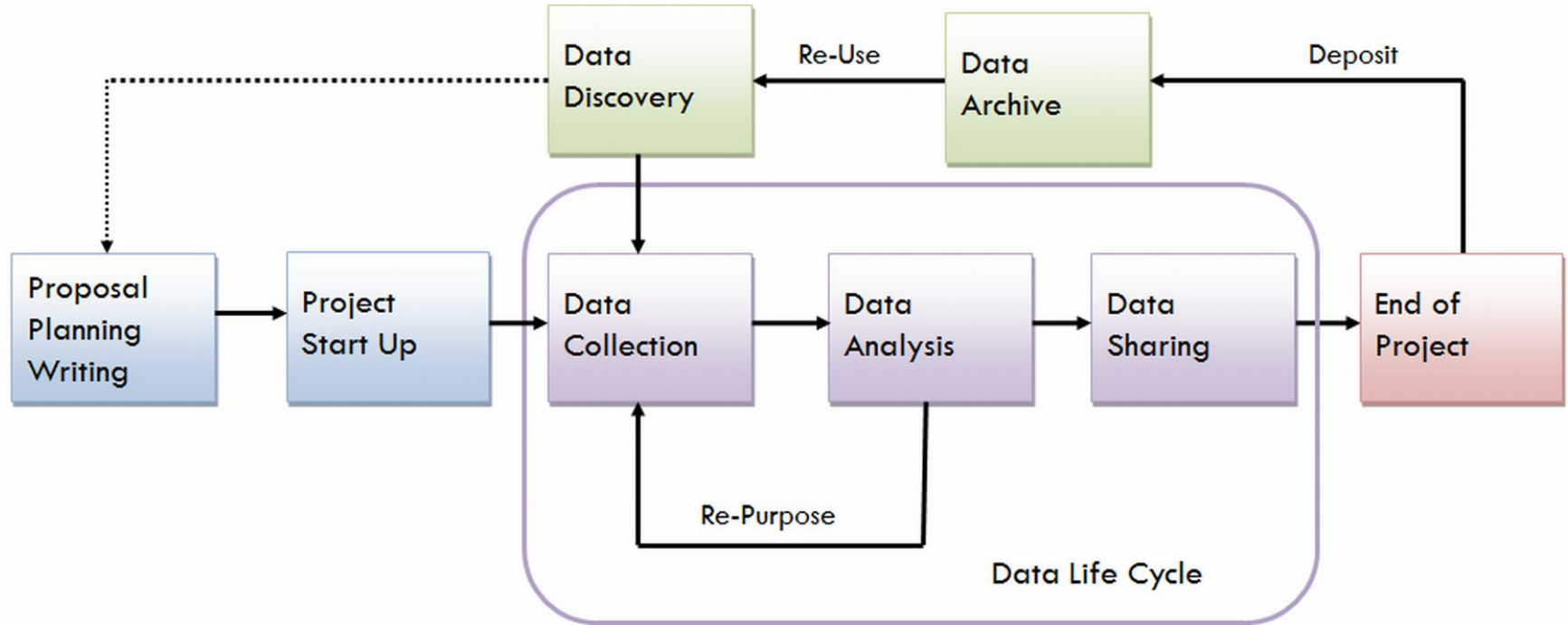
DataONE lifecycle diagram



University of California, Santa Cruz



University of Virginia



Discussion

Would you change anything about the diagram you made?

Conclusion

We covered components of the research data lifecycle, and how they can be diagrammed to help think about the progress of a research project and data management activities.

Recommended reading

- DataOne. “Best Practices” [Website](<https://www.dataone.org/best-practices>)