

# 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.

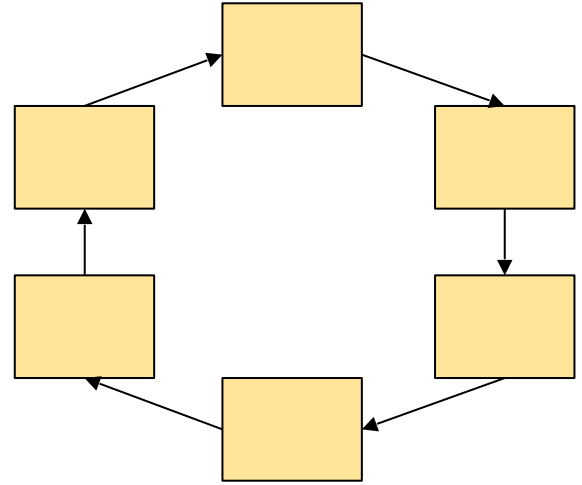
...

The research project ends.

...

Someone wants to reuse data.

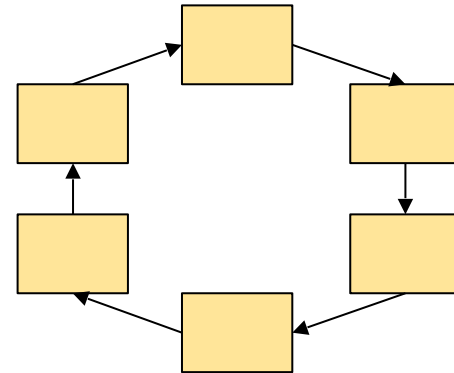
# Diagrams as a tool



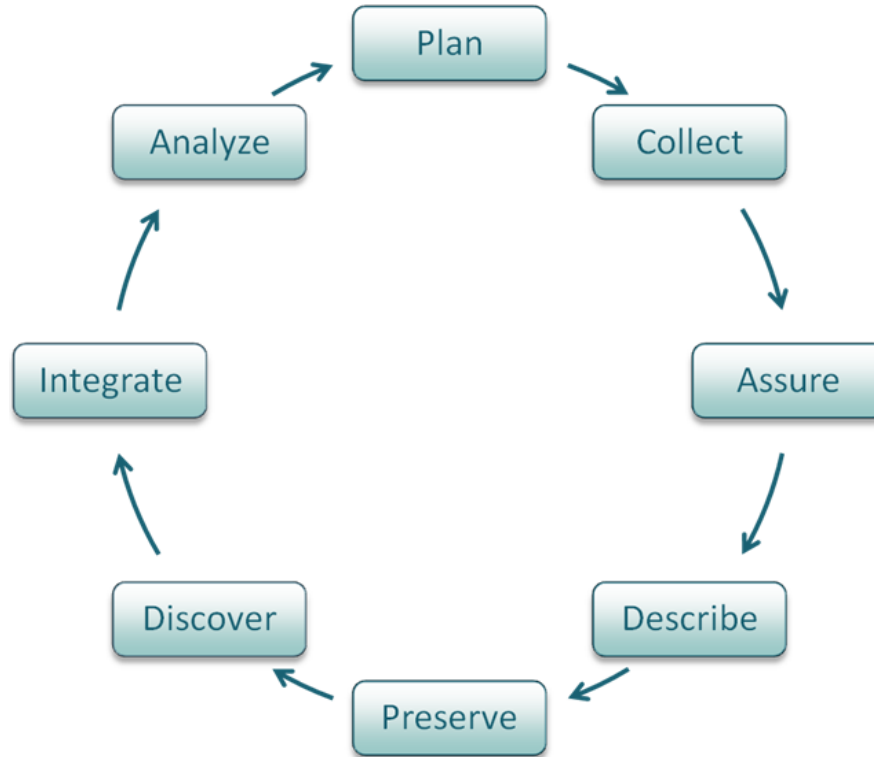
# Exercise

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

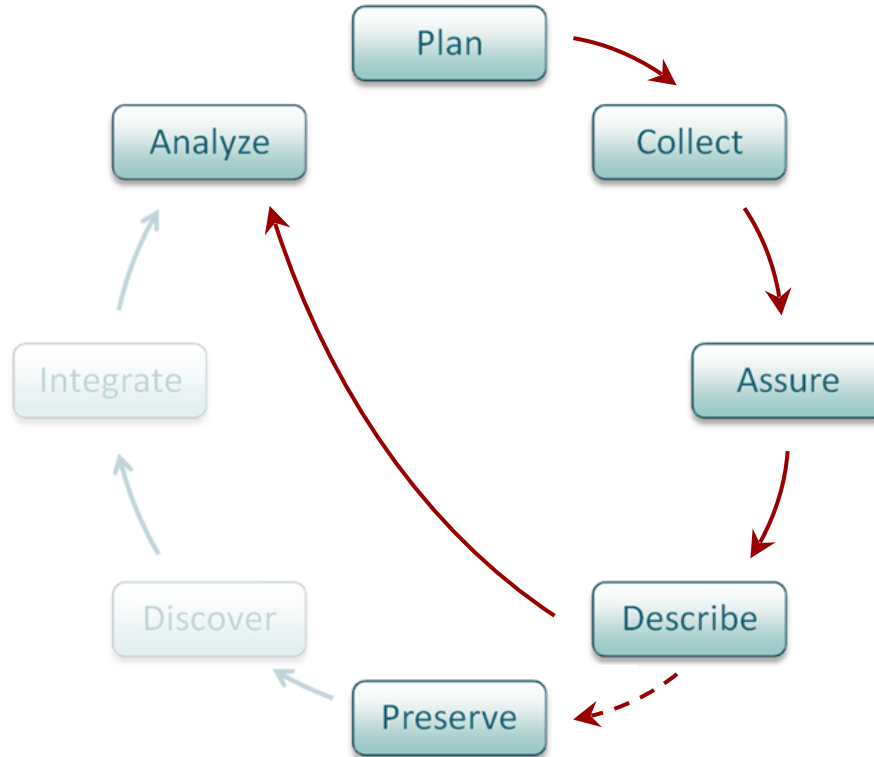
- Create an overview of the data over time.
- Cover the period from project proposal to data deletion or reuse.
- It's okay to have a few very broad steps.



# DataONE lifecycle diagram

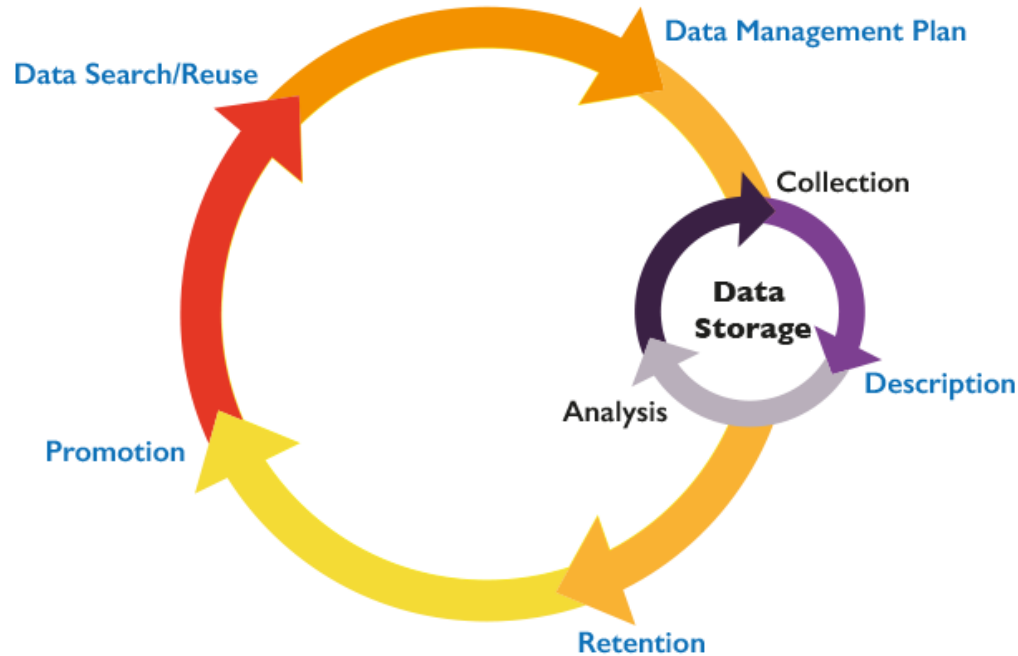


# DataONE lifecycle diagram



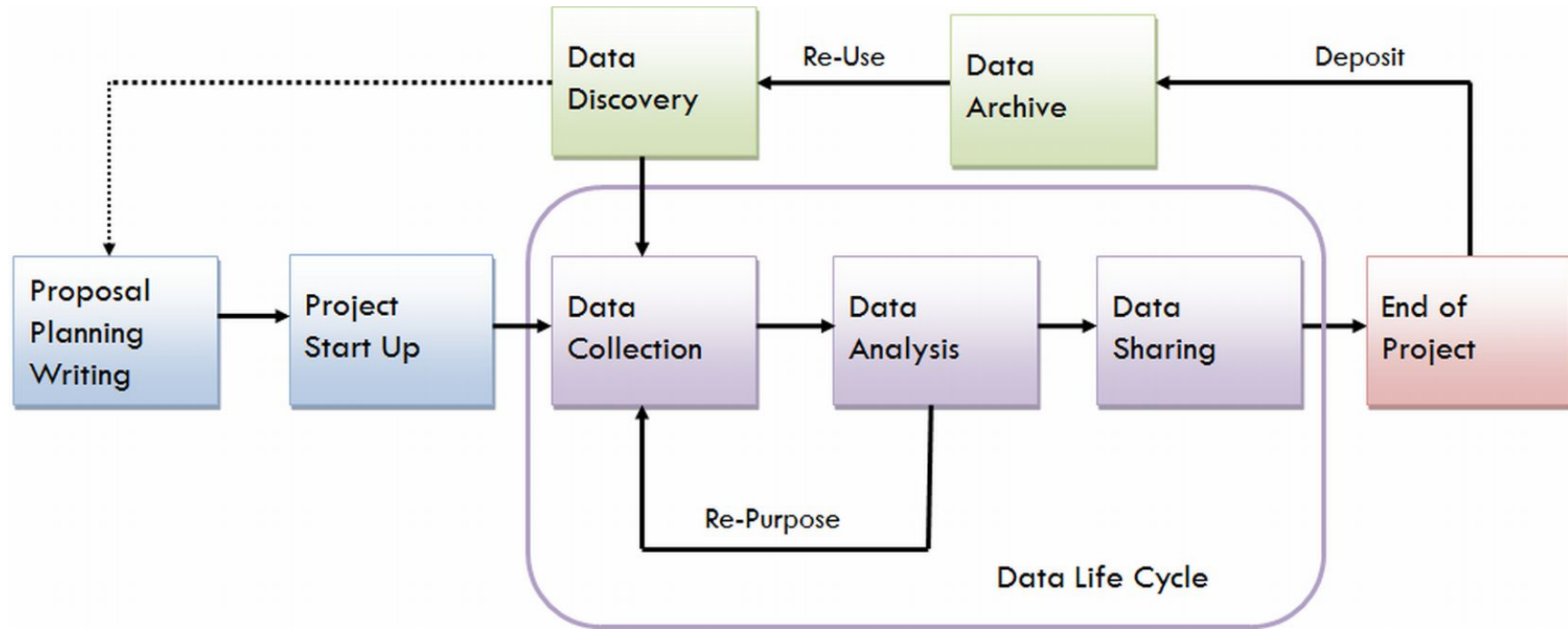
# University of California, Santa Cruz

## The Research Data Management Lifecycle





# University of Virginia



# Discussion

Would you change anything about the diagram you made?

# Workshops

1. Build an overview
2. Collect and document data
3. Store digital data
4. Work with data
5. Share and preserve data
6. Plan ahead

# 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.

# References and resources

- DataOne. "Data Lifecycle" [Website](<https://www.dataone.org/data-life-cycle>)
- University of California, Santa Cruz. "Research Data Management Lifecycle" [Website](<http://guides.library.ucsc.edu/datamanagement>)
- University of Virginia. "Steps in the Data Life Cycle" [Website](<http://data.library.virginia.edu/data-management/lifecycle/>)