

# Research Data Management

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# Outline Lectures

- Research data and data management planning
  - ▶ What are research data
  - ▶ Research data lifecycle
  - ▶ Data types, formats, and standards
  - ▶ Metadata
  - ▶ Data management, plans and planning tools
- Working with research data
  - ▶ Access to research data
  - ▶ Data transformations
  - ▶ Data storing and databases
  - ▶ Versioning and backup
- Sharing and archiving research data
  - ▶ Benefits and challenges
  - ▶ Data identification and citation
  - ▶ Data repositories

# Outline Exercises

- Write a data management plan with DMPonline
- Versioning data with GitHub
- Archive data with figshare and PANGAEA

# Schedule

09:00 - 09:15 Welcome and overview

## Part I

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09:15 - 09:45	Lecture	Research Data and Data Management Planning
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09:45 - 10:15	Exercise	Write a Data Management Plan with DMPonline
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10:15 - 10:30	Break	
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## Part II

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10:30 - 11:00	Lecture	Working with Research Data
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11:00 - 11:30	Exercise	Versioning Data with GitHub
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11:30 - 11:45	Break	
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## Part III

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11:45 - 12:15	Lecture	Sharing and Archiving Research Data
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12:15 - 12:45	Exercise	Archive Data with figshare and PANGAEA
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12:45 - 13:00	Closing	Final questions and comments
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