

**NDSU** NORTH DAKOTA  
STATE UNIVERSITY

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ANNUAL FACULTY CONFERENCE

# Open Scholarship in the Digital Age

## Data Initiatives at North Dakota State University

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# Agenda

- What is going on with research data?
- AAU/APLU document
  - Best practices and trends
- NDSU digital scholarship efforts
  - Digital Scholarship Advisory Board
- Road Ahead?

# Digital Scholarship

Digital scholarship creates research in all forms, including digital and data-intensive scholarship, digital humanities, and digital publishing.

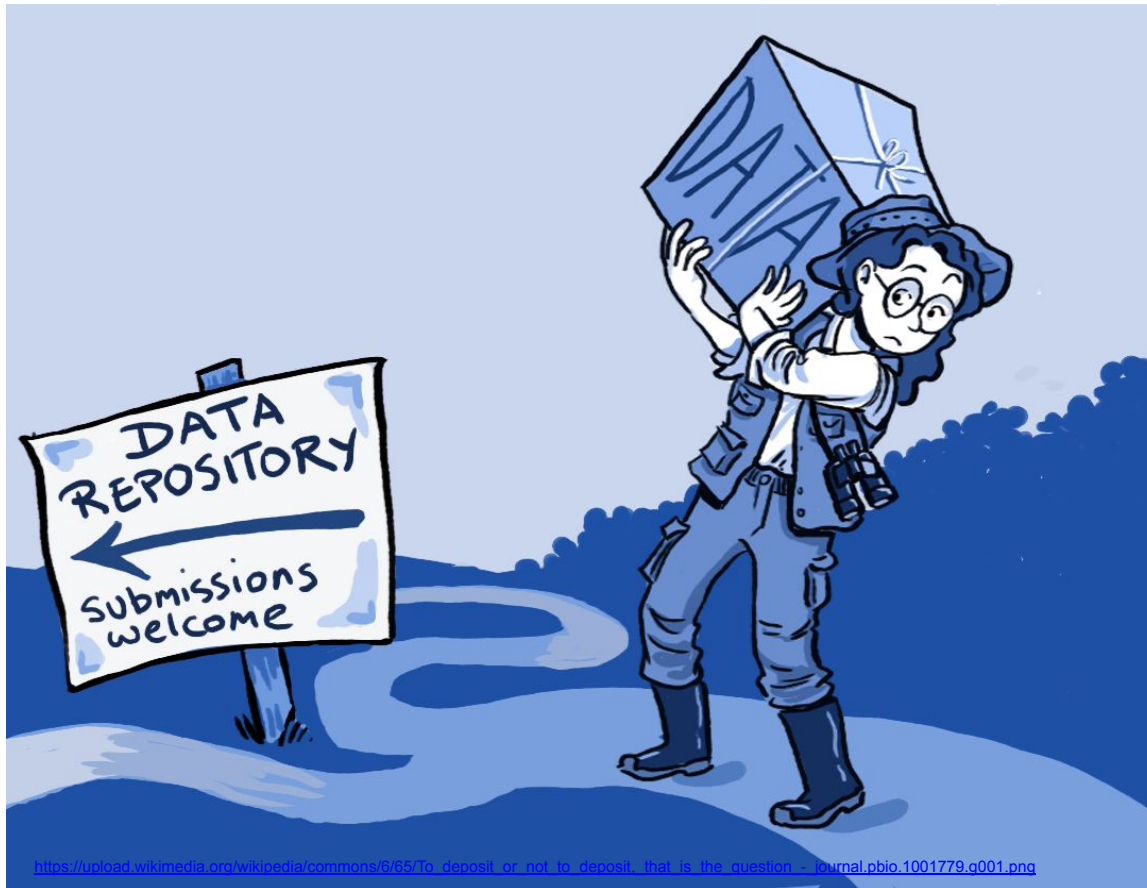
Open scholarship practices accelerate the dissemination of scholars' work and improve its quality, impact, and reach.

--Association of Research Libraries

# Data Sharing and Management Snafu in 3 Short Acts



# What is your story with data sharing and management?



[https://upload.wikimedia.org/wikipedia/commons/8/85/To\\_deposit\\_or\\_not\\_to\\_deposit\\_that\\_is\\_the\\_question\\_-\\_Journal.pbio.1001779.g001.png](https://upload.wikimedia.org/wikipedia/commons/8/85/To_deposit_or_not_to_deposit_that_is_the_question_-_Journal.pbio.1001779.g001.png)



# AAU/APLU



## **AAU-APLU Public Access Working Group Report and Recommendations**

*November 29, 2017*

In this era of open scholarship, greater access to research findings and data, especially when grounded in the FAIR principles (findable, accessible, interoperable, reusable), has proven to be an important way to accelerate scientific progress and advance innovation to better serve the public good. Although there is general agreement about the value of increased public access to data, ensuring such expanded access will require a significant culture shift at universities and among their faculty, thoughtful and carefully crafted new government policies and practices, and investment in the infrastructure required to make data publicly accessible.

# AAU/APLU Goals

- Provide public access to research data
- Minimize administrative burden
- Allow exceptions for privacy, security, and IP
- Prioritize data quality and evaluation in preparing, documenting, and releasing data
- Balance the costs of data access against the benefits of access
- Recognize that data types and accessibility needs vary across disciplines
- Consider the community of interest and duration of usefulness for the data to make retention and access requirements clear



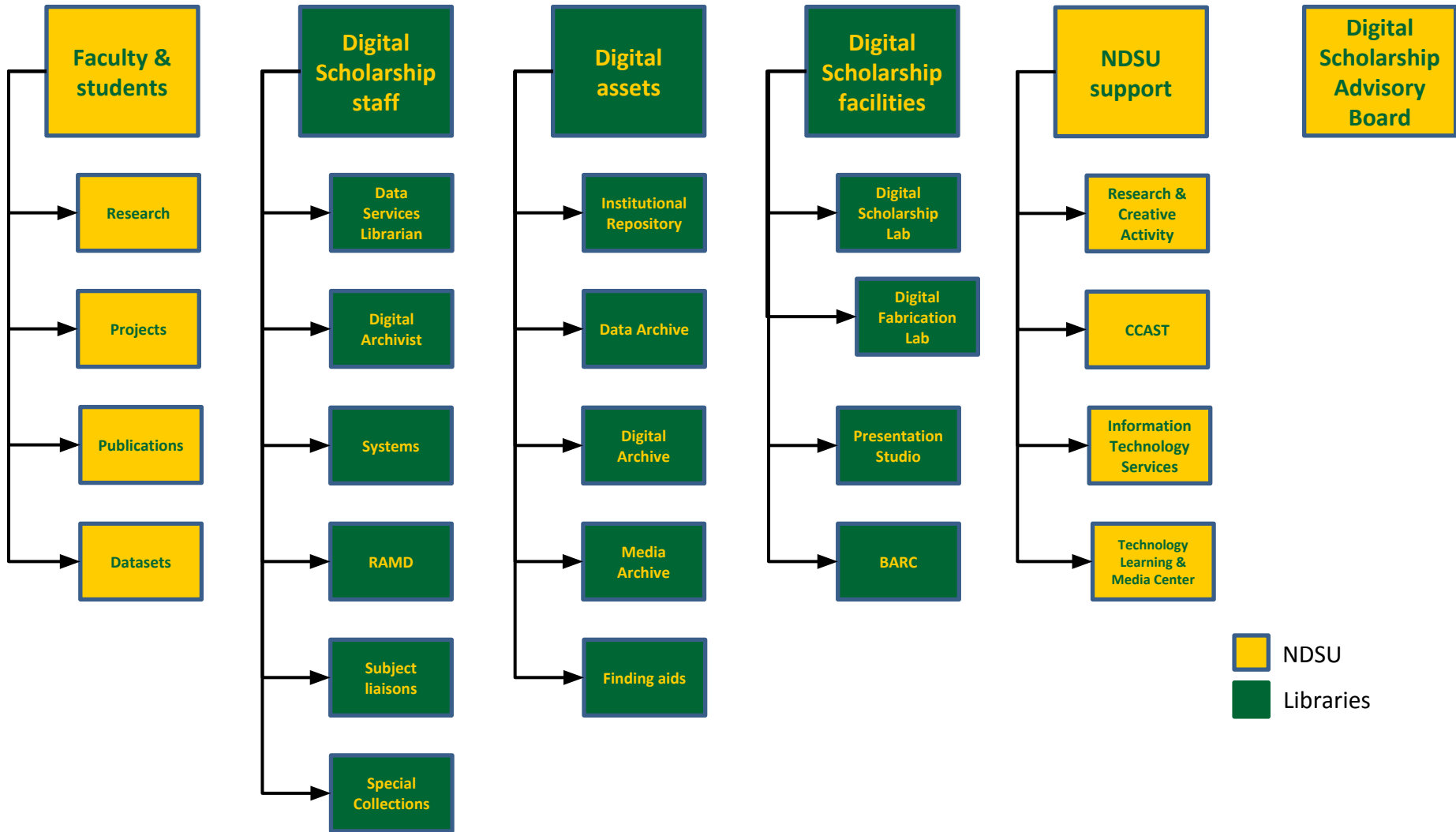
# Guidance for Research Universities

- Ensure access to data sets associated with a peer-reviewed scholarly works
- Provide clear guidance to researchers to ensure uniformity in data access plans
- Develop documentation, metadata, and standards to support sharing and stewardship of the data
- Implement policies, develop digital repositories, and reward researchers

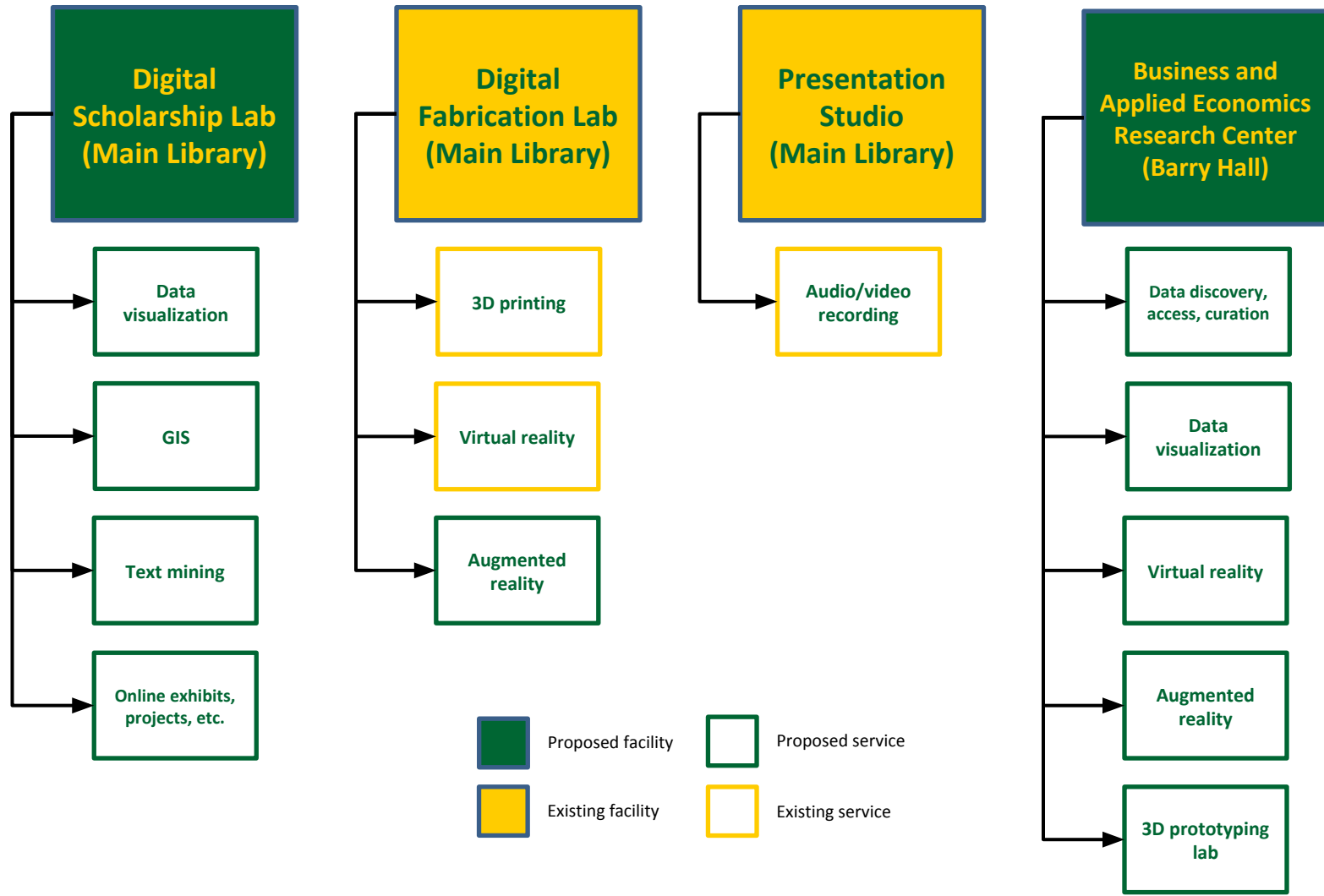
# NDSU Digital Scholarship

- Digital Scholarship Advisory Board
- Raise awareness of digital scholarship happening at NDSU
- Connect University faculty, staff, and students with the assistance needed at any point during a digital scholarship project

# Digital Scholarship components



# NDSU Libraries Digital Scholarship Facilities (existing/proposed)



# Next Steps

- Engagement on campus
- Structure and process
- Customization
- Sustainability
- Building a community of open scholarship
- Repeat...

# Services

- Data management plan
- Preservation
- Metadata and linked data
- Research data services
- Subject matter consultations
- Project help
  - Scholarly publishing
  - Special collections





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