

研究資料管理實務  
線上工作坊

2021/11/12



# Research Data Management Librarian Academy

Expanding and Advancing a Global Community of Practice in Research Data  
Management

National Taiwan University Online Workshop

November 11th (US)/November 12th (TW), 2021 | Time: 10:10 to 10:40  
Presented By: Rong Tang, Ph.D.

# Agenda

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1. Background
2. Curriculum
3. Partnerships
4. Impact
5. Chinese Translation
6. Future Plans

# Why RDMLA?

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- RDMLA was created for the **practicing librarian to enhance** their skill sets so they can be part of research teams
- RDMLA can be utilized by researchers wishing to learn more about **RDM foundations and related software and tools**
- Extremely valuable resource for **practicing librarians to tool or retool** themselves on RDM practices and projects

# RDMLA and Practicing Librarians

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- I recently successfully completed the 8 module Canvas course for Research Data Management offered by the Research Data Management Library Academy (RDMLA).
- By taking this course I was able to focus on how to **improve service to our students, faculty, and staff**. I learned about the research lifecycle and best practices for organizing research.
- I am now able to create a data management plan and familiarized myself with the tools to create visualizations and gained confidence in how to better synthesize large quantities of data. **Completion of this course has made me a stronger advocate for data management within our library."**

Digital Content Management Librarian



RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY

# What is RDMLA?

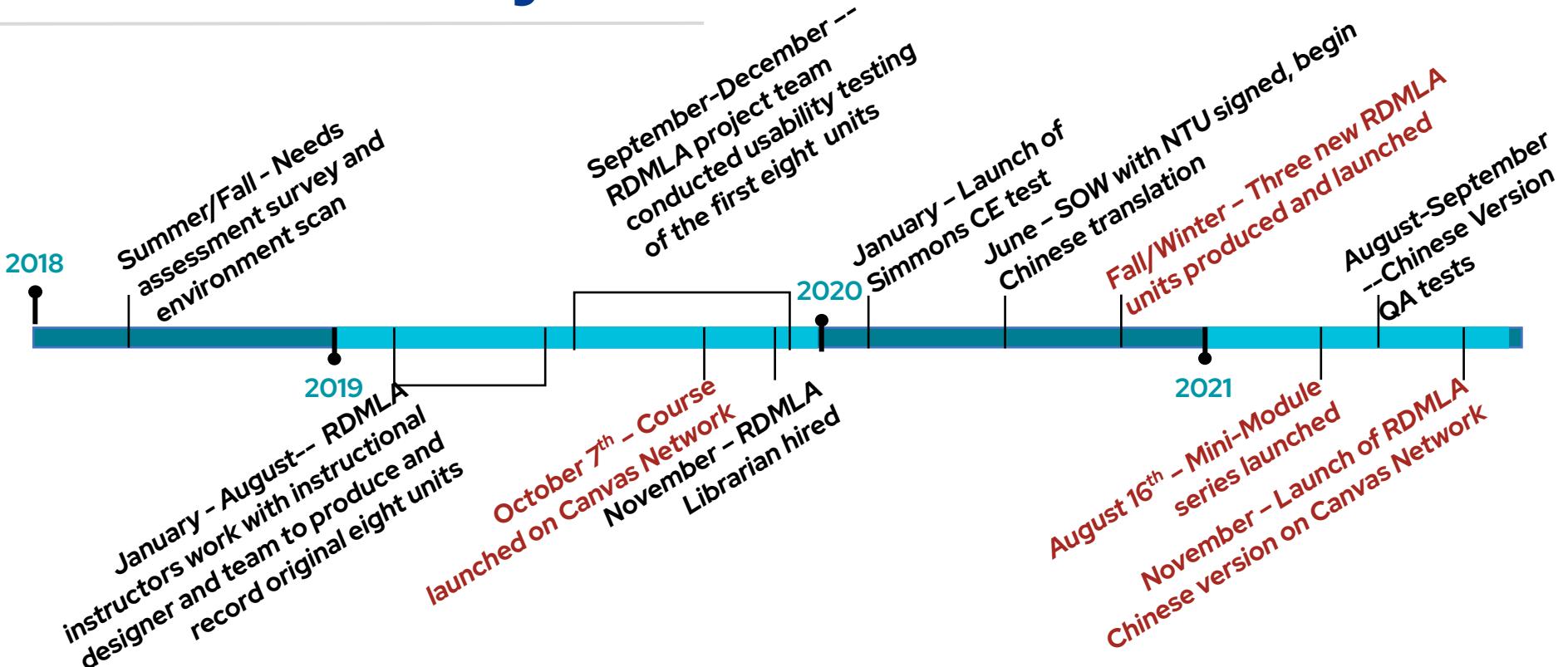
- An online education program offering individuals an opportunity to learn about research data management practices
- Filling a gap in RDM training
- Developed in partnership with industry, teams of librarians and LIS faculty who have expertise with RDM
  - **15 partners and growing**
- Financially funded by Elsevier

The screenshot shows the Canvas Network interface. At the top, there's a navigation bar with links for 'Offer a Course', 'About Us', 'Take a Course', and 'Login'. Below the navigation is the course title 'RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY [RDMLA]'. To the left of the title is a large image of a person looking at a large screen displaying various data visualizations like charts and graphs. A prominent red 'ENROLL' button is overlaid on this image. To the right of the title, there's a grid of course details:

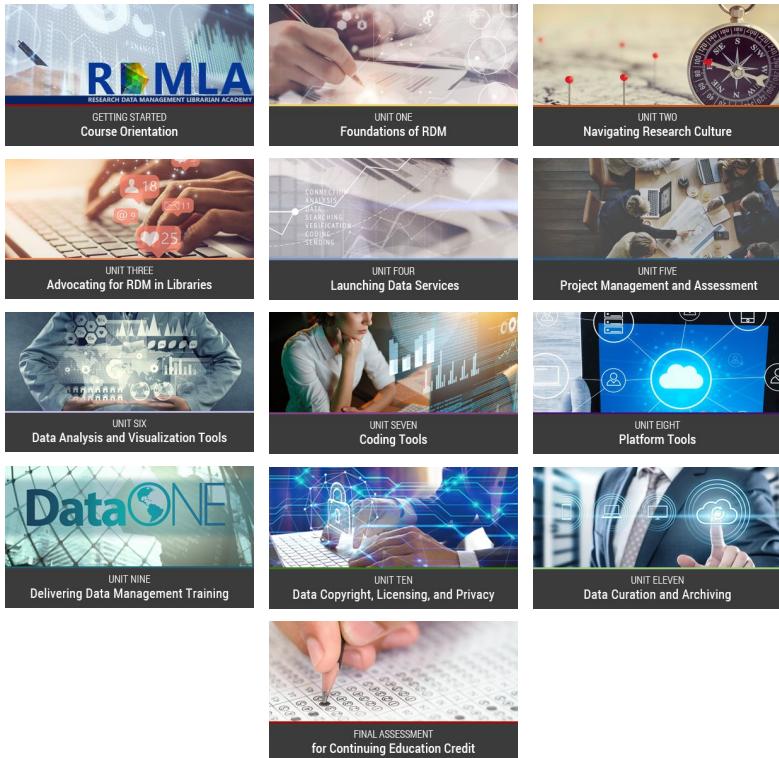
- Self-paced**
- COURSE DATE:** Open
- DURATION:** Ongoing
- COMMITMENT:** 1.5-2 hrs/unit
- REQUIREMENT:** None
- COURSE TYPE:** Self-paced
- CREDENTIAL:** Certificate: Cont Ed Credits (CEUs)



# RDMLA Project Timeline



# RDMLA on Canvas Network



- The Academy currently offers **eleven** units and **one** mini-module, which can be taken in sequence or out of order.
- All units are hosted online via the Canvas Network platform under **CC-BY-NC-SA** licensing.

# RDMLA on Canvas Network

- Mini-Modules focus on timeliness of emerging topics of research data management
  - One-hour video lecture with open-source readings
  - Content is not static, will evolve or be removed if out of date
- First mini-module launched in July 2021
  - 2023 NIH Policy on Data Management and Sharing Policy

The screenshot shows a module titled "MINI-MODULES RDM Trending Topics". Below the title, it says "RDM Trending Topic Mini-Module 2023 NIH Policy on Data Management & Sharing". Under "Instructors:", four profiles are shown: Taunton Paine, MA; Cindy Danielson, Ph.D.; Lisa Federer, Ph.D.; and Heather Coates. At the bottom, there are icons for Creative Commons license, Research Data Management Trending Topic Mini-Module, and the RDMLA logo.

MINI-MODULES  
RDM Trending Topics

RDM Trending Topic Mini-Module  
2023 NIH Policy on Data Management & Sharing

Instructors:

Taunton Paine, MA  
Director, Scientific Data Sharing  
Policy Division  
Office of Science Policy  
National Institutes of Health

Cindy Danielson,  
Ph.D.  
Health Science Policy Analyst  
Office of Extramural Research  
National Institutes of Health

Lisa Federer, Ph.D.  
NLM Data Science and Open  
Science Librarian  
Office of Strategic Initiatives  
National Library of Medicine

Heather Coates  
Digital Scholarship & Data  
Management Librarian  
IUPUI University Library, Center for  
Digital Scholarship

CC BY-NC-SA  
Research Data Management Trending Topic Mini-Module  
RDMLA

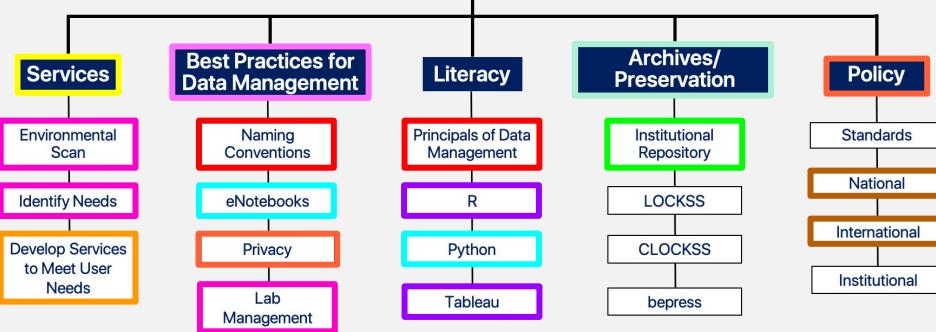
# Unit Structure Components

- Welcome
- Overview and Objectives
- Faculty Profiles
- Video Lectures
- Readings
- Exercises/Case Studies
- Quizzes

The screenshot displays a list of components for 'Unit 1: Foundations of RDM'. The components are:

- Unit 1: Welcome
- Unit 1: Overview and Objectives
- Unit 1: Video Overview
- Unit 1: Faculty Profiles
- Unit 1: Preliminary Reading and Resources
- Data Life Cycle: Wrap-Up
- Exercise 4: Data Management Plan (DMP) (Quiz)  
0 pts
- Unit 1: Summative Assessment (Quiz)  
10 pts
- Unit 1: Additional Readings and Resources
- End of Unit 1

## User-Centered Data Management Framework for Librarians



## Community of Librarians



UNIT ONE  
Foundations of RDM



UNIT TWO  
Navigating Research Culture



UNIT THREE  
Advocating for RDM in Libraries



UNIT FOUR  
Launching Data Services



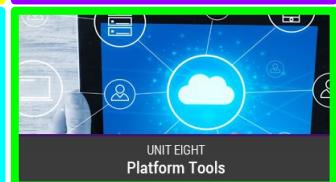
UNIT FIVE  
Project Management and Assessment



UNIT SIX  
Data Analysis and Visualization Tools



UNIT SEVEN  
Coding Tools



UNIT EIGHT  
Platform Tools



UNIT NINE  
Delivering Data Management Training



UNIT TEN  
Data Copyright, Licensing, and Privacy



UNIT ELEVEN  
Data Curation and Archiving



MINI-MODULES  
RDM Trending Topics

# Community of Practice

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Growing the RDMLA community of practice through:

1. New units addressing more areas of the framework
  - a. Develop mini-modules to address **time-sensitive topics** in RDM
2. Translation efforts to reach a broader learning groups
3. Community meetings to gather input and foster new collaborations
  - a. Monitor **trending topics** in RDM
  - b. Experiment with designs for **new training delivery models**

# Network of Communities



Unit and Mini-Module  
Instructors

RDMLA  
Leadership

Simmons CE  
Coordinator

RDMLA Staff

Canvas  
Coordinator

R DMLA

National Taiwan University  
Library Translation Team

R DMLA

RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY

# Types of Partner Institutions

## Government Agencies

- National Institutes of Health
- National Library of Medicine

## Academic Institutions

- Harvard Medical School
- Harvard University
- Simmons University
- National Taiwan University
- Tufts University
- Boston University
- Northeastern University
- Brown University
- MCPHS University
- Indiana University-Purdue University, Indianapolis

## Data-Oriented Organizations

- DataONE
- Elsevier

# Success Metrics and Stats

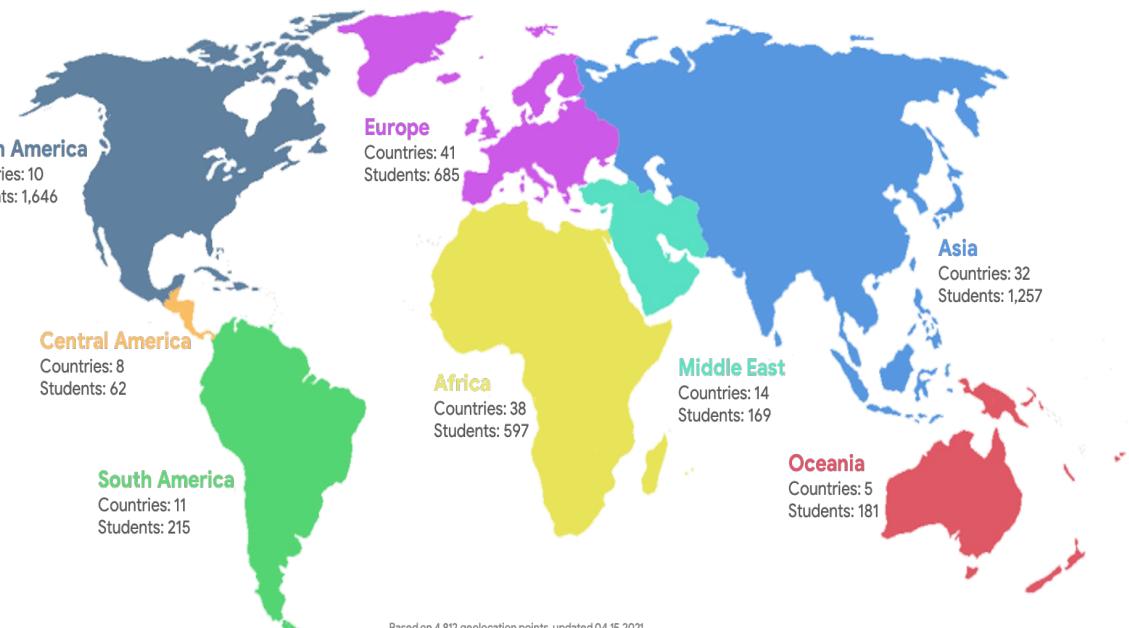
October 7, 2019 to November 11, 2021

Active Students: **6,020**

Discussion Forum Posts: **3,042**

Course Completion Badges: **450**

CE Certificates: **44**



# The Impact of RDMLA

**RDMLA has been used by instructors worldwide, including:**

- The United States
- Turkey
- Israel
- Kenya
- Thailand

**RDMLA has been used by worldwide libraries & educators:**

- As a course and workshop
- As a resource
- Listed in U.S. libraries' research and/or libguides
- Listed in international libraries' research guides, libguides, or blog posts
- In LIS coursework and classroom learning

# Translation Partnership

- Translation Partners: **National Taiwan University Library**
  - Traditional Chinese language translation
  - Translation lead by Drs. Chen and Tang, with assistance from Chiu-Hsun Lin, Wen-Chi Huang, and Ching-Yi Lai
- Translation efforts began May 25, 2020
  - Unit translation review once every two to three months
- Translation of Units 1 to 8 launched on November 10, 2021



National  
Taiwan  
University

# 研究資料管理圖書員課程 [RDMLA 中文版]

- The RDMLA 中文版 currently offers **Eight** units, which can be taken in sequence or out of order.
- All units are hosted online via the Canvas Network platform under **CC-BY-NC-SA** licensing.
- Three more units** under translation; expected to be published in **Spring 2022**.



# NTU Library Translation Team



Kuang-hua Chen, Ph.D.  
University Librarian and  
Professor



Muh-Chyun Tang, Ph.D.  
Associate University Librarian  
and Professor



Chiu-Hsun Lin  
Director of Research  
Support Division



Wen-Chi Huang  
Research Support  
Division



Ching-Yi Lai  
RDMLA Project  
Manager

# RDMLA Translation Review Team



Rong Tang, Ph.D.  
RDMLA Co-Leader; Professor,  
Simmons University



Zhan Hu  
Doctoral Student,  
Simmons University



Elaine Martin, D.A.  
RDMLA Co-Leader; Director,  
Countway Library of  
Medicine



Ashley Thomas  
RDMLA Librarian,  
Countway Library of  
Medicine



Nicole Henry  
Student,  
Simmons University

# **Live Demo of RDMLA & RDMLA Chinese Version**

# Future Plans

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- Data Ethics Workshop
  - Date: December 9, 2021
  - Hosted by: RDMLA, Countway Library, National Library of Medicine (U.S.)
- RDMLA Symposium
  - Theme: **Data and Communities: Intersections of Truth, Silence, Access, and Identity**
  - Date: April 22, 2022
  - Hybrid (virtual and in-person)
- Launch of Mini-Modules
  - Data Ethics
  - Data and Communities



# Watch out for our upcoming events and new modules!



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Check out the course on  CANVAS | NETWORK

## RDMLA:

[canvas.net/browse/simmonsu/courses/research-data-management](https://canvas.net/browse/simmonsu/courses/research-data-management)

## RDMLA 中文版

:<https://www.canvas.net/browse/simmonsu/courses/research-data-management-librarian-academy-rdmla-->



[rdmla.github.io](https://rdmla.github.io)



[@TheRDMLA](#)



[@The RDMLA](#)

# Questions?