

RDMLA:

Five Months Post Launch



RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY

Elaine Martin & Rong Tang

DataONE Webinar


February 11, 2020 | 9:00 PST/12:00 EST

Agenda

- Overview of RDMLA: What, Why, Who, and When
- Why is RDMLA valuable?
- RDMLA Usability Study
- Success metrics to date and the future
- What future plans are there for expanding RDMLA?
- Questions and Answers

What is RDMLA & Why is it Unique?

[RDMLA](#) [About](#) [Contact](#) [RDMLA Curriculum](#) [Events](#) [RDMLA Community](#) [Publications](#)



RDMLA
RESEARCH DATA MANAGEMENT LIBRARIAN ACADEMY

The RDMLA Course on Canvas is officially open!
2,100 learners have registered (as of January 31, 2020).

Access the course page here: [RDMLA Course](#)

The **Research Data Management Librarian Academy (RDMLA)** is a free online professional development program for librarians, information professionals, or other professionals who work in a research-intensive environment throughout the world.

RDMLA features a unique partnership between a LIS academic program, academic health sciences and research libraries, and Elsevier. Partner institutions include:

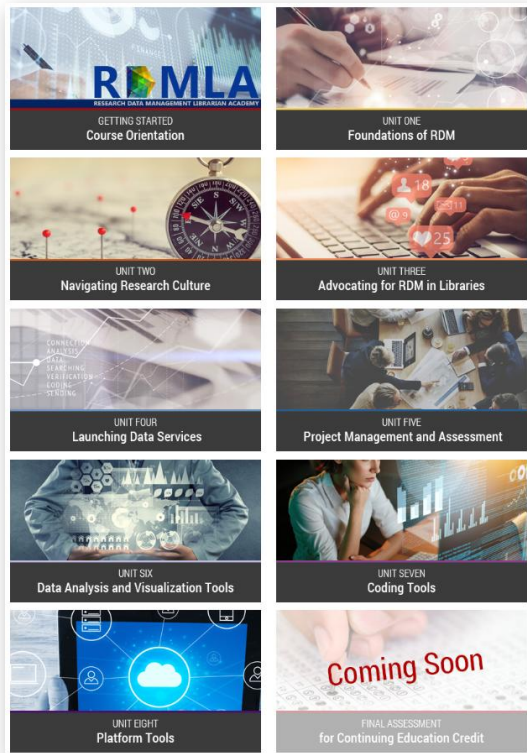
- Harvard Medical School
- Harvard Library
- Simmons University
- Boston University
- Brown University
- Massachusetts College of Pharmacy and Health Sciences
- Northeastern University
- Tufts University
- Elsevier

Find out more about the RDMLA community here: [RDMLA Community](#).
Download this factsheet for your quick reference: [RDMLA Fact Sheet](#)

RDMLA Curriculum

- An online education program offering individuals an opportunity to learn about research data management practices.
- Developed in partnership with industry, teams of librarians and LIS faculty who have expertise with RDM.
- Filling in a gap in RDM training
- Website: rdmla.github.io

RDMLA Course on Canvas



- The Academy 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.
- Website: rdmla.github.io

Partner Institutions



Harvard
University



Harvard
Medical School



Simmons
University



Boston
University



Tufts
University



Northeastern
University



Massachusetts
College of
Pharmacy and
Health Sciences



BROWN
Brown
University



ELSEVIER

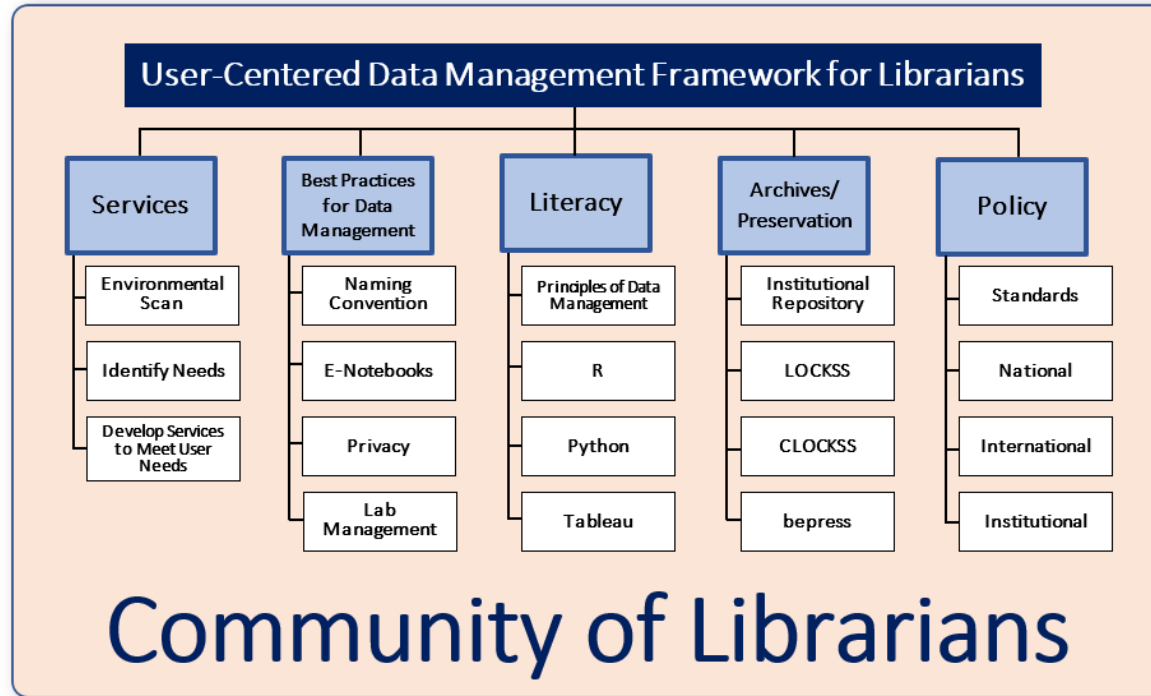
Elsevier

(financially supports program)

The Role of Librarians in RDM

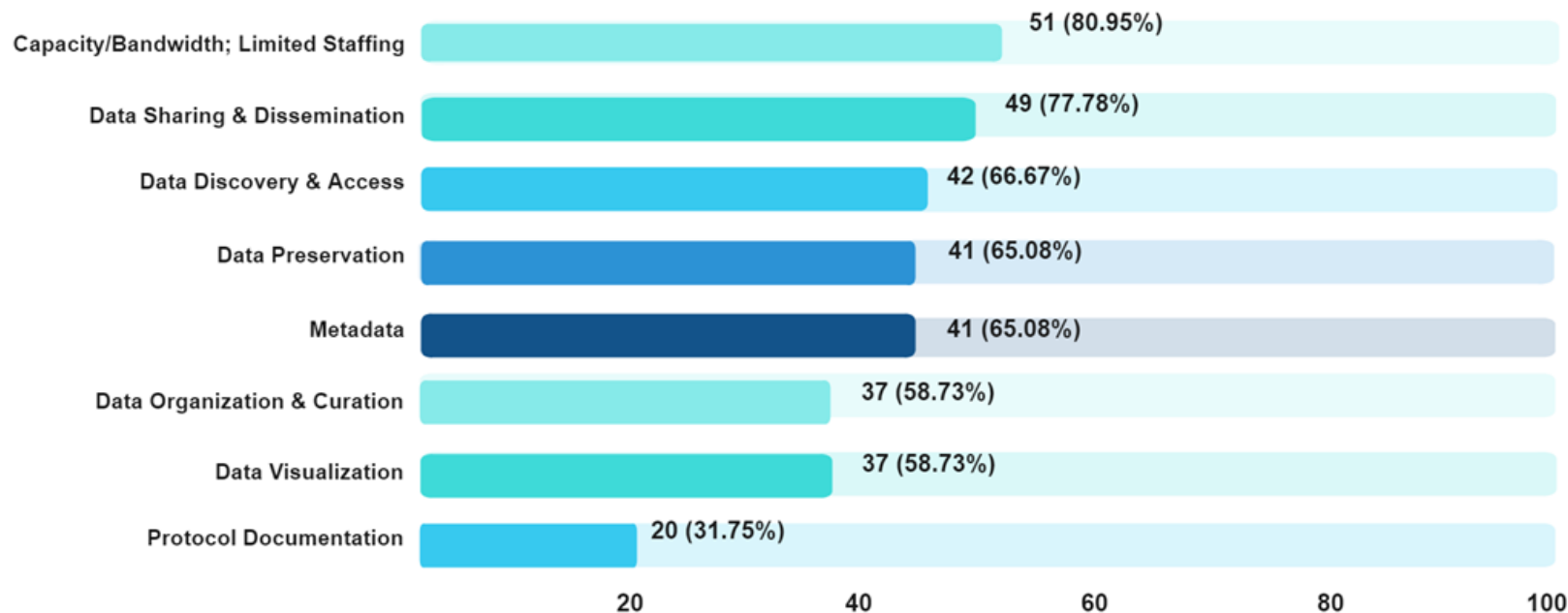
- **Service** Bucket
- **Best Practices for Data Management** Bucket
- **Literacy** Bucket
- **Archives/Preservation** Bucket
- **Policy** Bucket
- **Community of Librarians**

User-Centric Data Management Framework for Librarians



Challenges That Librarians Face

Challenges Libraries Face in RDM Service Provision(N=54)



Strategies to Address the Challenges

- **RDMLA**
- **Collaboration** with IT, Office of Research, and other stakeholders.
- Library directors need to **advocate** for fundings for their RDM services.
- **Partner** with other libraries and **share** experiences to build a community of RDM.

Why Was RDMLA Created?

- Researchers can benefit from a team member who can **organize and describe data effectively**.
- Librarians can transfer **content organizational and descriptive talents to data** along the different phases of the research lifecycle.
- Librarians currently have a continuum of skill levels with research data management (RDM); RDMLA was created for the **practicing librarian** to **enhance** their skill sets so they can be part of research teams.
- RDMLA can also be applied by researchers wishing to learn more about **RDM foundations and related software and tools**.

Why is RDMLA Valuable?

- **For Research Leaders:**

- Understand the role of librarians in supporting RDM planning, and execution for their grants/projects (Unit 2: Roles of the Research Team).
- Involve librarians in data curation, archiving, and reuse.

- **For Librarians:**

- An extremely valuable resource for current library workforce to tool or retool themselves on RDM practices and projects.

- **For LIS Educators:**

- A valuable source for teaching RDM courses in LIS schools or programs.

Who Developed RDMLA?

Leadership

Elaine Martin (Harvard)

Rong Tang (Simmons)

Jean Shipman (Elsevier)

Project Staff

Zhan Hu (Simmons)

Irena Fayngold, Ellen Berrigan, Madhu Narayan
(Simmons)

Ashley Thomas (Simmons, Harvard)

Faculty

See Next Slide

Simmons SLIS & Simmons Online

Sanda Erdelez (SLIS Director, Simmons SLIS)

Kristen Palson, Courtney Bohr, Madhu Narayan
(Simmons Online)

RDMLA Faculty

Unit 1 Elaine Martin (Harvard), Julie Goldman (Harvard), Danielle Pollock (Simmons), Philip Coombs (BU)

Unit 2 Andrew Creamer (Brown)

Unit 3 Ceilyn Boyd (Harvard); Elaine Martin (Harvard), Mary Blanchard (BU), Eric Albright (Tufts), Richard Kaplan (MCPHS)

Unit 4 Jen Ferguson (Northeastern), Rebecca Morin (Tufts)

Unit 5 Rachel Lewellen (Harvard), Alison Thornton (Harvard), Danielle Adams (Harvard)

Unit 6 Berika Williams (Tufts)

Unit 7 Scott Lapinski (Harvard), Roger Vargas (Harvard)

Unit 8 Jean Shipman (Elsevier), Julie Goldman (Harvard), Scott Lapinski (Harvard)

What Content Is Available In RDMLA?

Unit 1: Foundations of Research Data Management (RDM)

Unit 2: Navigating Research Data Culture

Unit 3: Advocating and Marketing the Value of RDM in Libraries

Unit 4: Launching Data Services in Libraries

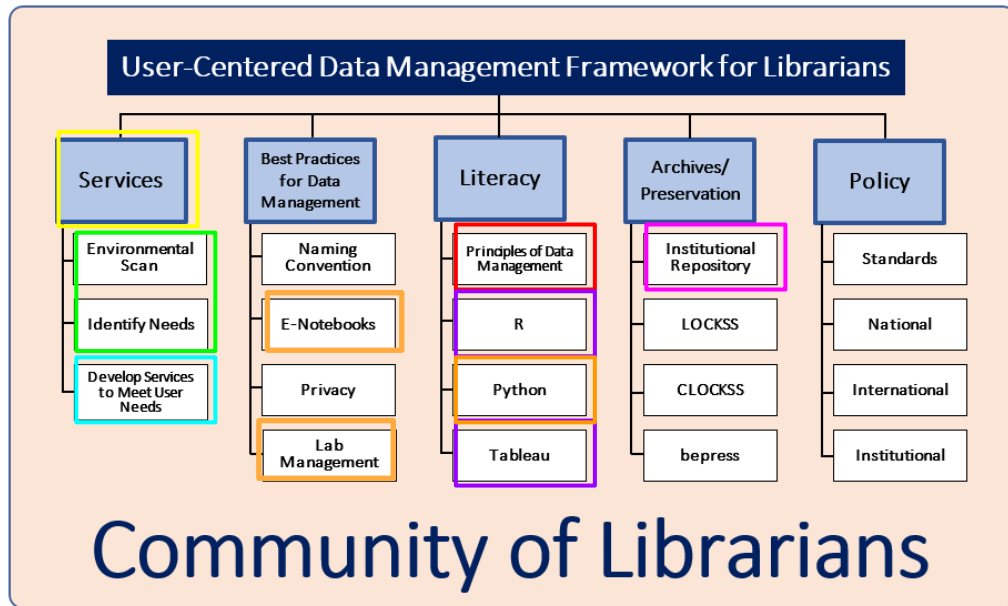
Unit 5: Project Management and Assessment

Unit 6: Overview of Data Analysis and Visualization Tools

Unit 7: Overview of Coding Tools

Unit 8: Overview of Platform Tools

The Match



Welcome Page

The screenshot shows the Canvas LMS interface for the course PD-0116-RESEARCH-DATA-MANAGEMENT. The left sidebar contains navigation links: Account, Dashboard, Courses, Calendar, Inbox, and Help. The main content area has a 'Recent Announcements' section with a welcome message dated Nov 8, 2019. Below this is the 'Research Data Management Librarian Academy (RDMLA)' section, which includes a video player for 'RDMLA: An Introduction' and a list of course units. The units are: GETTING STARTED Course Orientation, UNIT ONE Foundations of RDM, and UNIT TWO Data Management Best Practices. The bottom of the page features a 'This table includes 9 unit navigation blocks for the course' section.

Course Orientation

The screenshot shows the Canvas LMS interface for the course PD-0116-RESEARCH-DATA-MANAGEMENT, specifically the 'RDMLA: An Introduction' page. The left sidebar contains navigation links: Account, Dashboard, Courses, Calendar, Inbox, and Help. The main content area has a 'Recent Announcements' section with a welcome message dated Nov 8, 2019. Below this is the 'RDMLA: An Introduction' section, which includes a video player for 'RDMLA: An Introduction' and a list of course units. The units are: GETTING STARTED Course Orientation, UNIT ONE Foundations of RDM, and UNIT TWO Data Management Best Practices. The bottom of the page features a 'This table includes 9 unit navigation blocks for the course' section.

UNIT THREE

Advocating for RDM Libraries

Instructors



Ceilyn Boyd



Elaine Martin



Mary Blanchard



Eric Albright



Richard Kaplan

Unit Objectives

- Describe common institutional RDM stakeholders, including advocates and potential partners.
- Describe common institutional and organizational barriers to implementing RDM services in the library.
- Compare common successful and unsuccessful strategies for advocating for RDM services.

Instructors



Jen Ferguson



Rebecca Morin

Unit Objectives

- Evaluate how their institution might fit with various data service approaches and models.
- Describe the stakeholders and groups to consider when launching and managing data services in libraries.
- Design an action plan to establish data services in their institution.

Timeline



Summer-Fall 2018

- A needs assessment survey
- A LIS educator short survey
- A competency scan
- An inventory of training and formal RDM curricula



Spring-Summer 2019

- Course unit design and development
- Video recording, implementation of exercises and interactive learn objectives
- Establish Simmons CE system



Fall 2019

- QA tests
- Usability and UX tests
- Formal launch of RDMLA on October 7, 2019
- Simmons SLIS CE credit issuance (start February 2020)



Spring 2020 forward

- Launch CE
- Additional units
- Collaboration with DataONE
- New Partnerships

Phase 4 Activities

- Complete usability testing sessions and product quick fixes recommendations
- Launch Simmons CE Program (available February 5, 2020)
- Adding new units to RDMLA:
 - Data Copyright
 - Data Ethics
 - Data Curation and Archiving
- Collaboration with DataONE
- Exploring international partnership for translations for multilingual versions
- Using learning analytics to improve and enhance RDMLA

RDMLA CE Launched

Continuing Education Credit: Welcome!



FINAL ASSESSMENT for Continuing Education Credit

Thank you for your interest in the Continuing Education (CE) Credit!

Below, RDMLA co-leaders Elaine Martin and Rong Tang, and Sanda Erdelez, Director of the School of Library and Information Science at Simmons University welcomes you the CE portion of the RDMLA course.

Hello!

On behalf of the RDMLA faculty and development team, we would like to congratulate you on completing the RDMLA course. We hope your learning experience has been positive and rewarding.

Now that you have completed all the RDMLA units, we would like to introduce to you the opportunity to obtain three continuing education (CE) credits from Simmons University's School of Library and Information Science. To earn these credits, you will pay an administrative fee of \$100 USD and pass a final online assessment. You will have two chances to pass the assessment with a score of 75% or higher. Upon passing the assessment, you will receive an electronic certificate recognizing and acknowledging your CE credits.

We wish you the best of luck as you pursue the CE credits and in your future RDM endeavors!

Best Regards,

Elaine Martin and Rong Tang

Click **play** to begin.



Run Time: 1:59 | [Transcript](#)



Continuing Education Credit Test - First Attempt



FINAL ASSESSMENT for Continuing Education Credit

You are now ready to demonstrate your knowledge.

In order to receive continuing education credit you will need to successfully complete this cumulative assessment test.

To pass, you will need to receive a **75% or higher**.

Questions come from all units' content, including lectures, readings, and activities.

You will have **90 minutes** to complete the test. Questions will appear one at a time, but you are able to return to questions you skipped, or to review your answers before submitting.

Usability Study

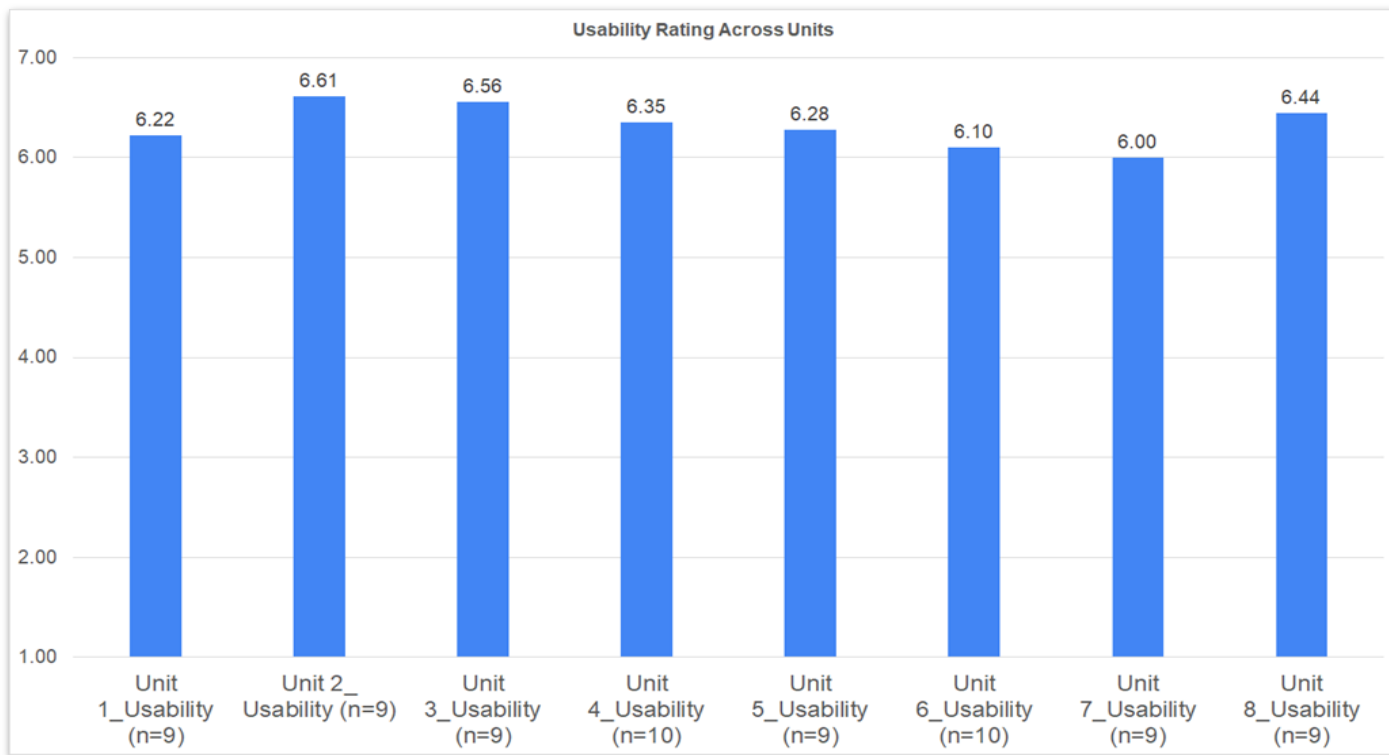
- **Overview of usability sessions:**

- **Online remote usability sessions** with 42 participants ran from September 3 to December 12, 2019. 41 online sessions were video recorded.

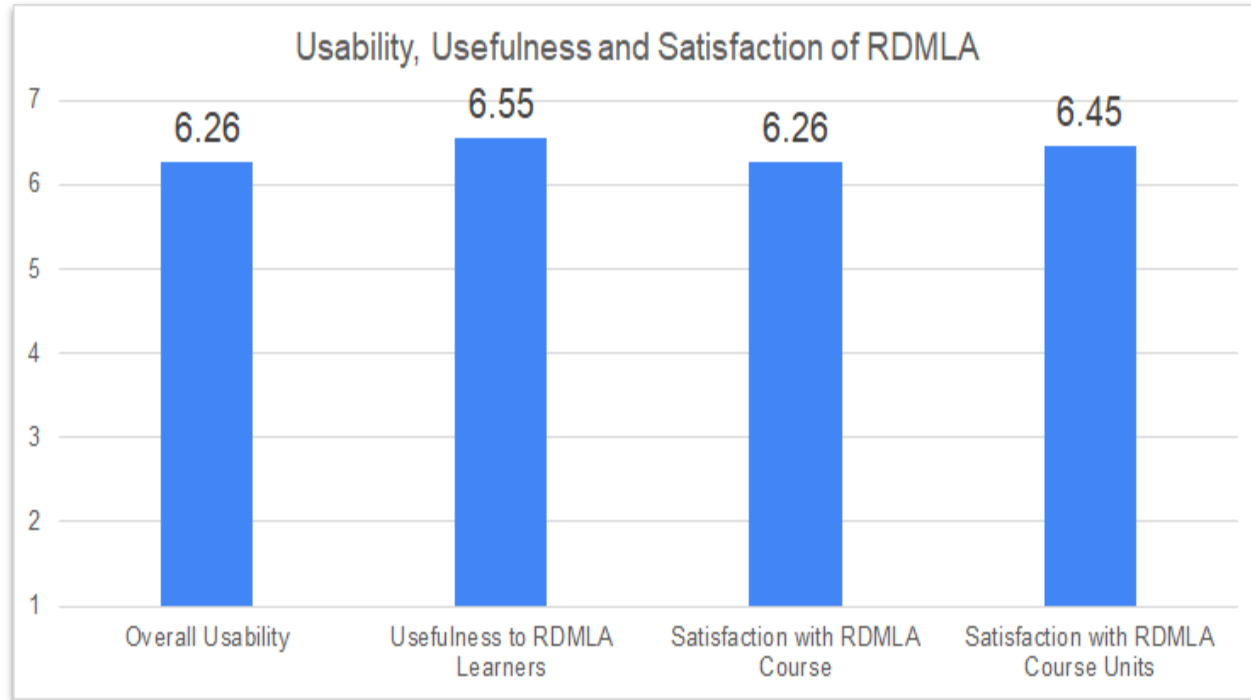
- **Future of RDM in libraries:**

- Twenty participants (**47.62%**) emphasized the **importance and potential** of RDM and they also indicated that RDM is growing in the LIS field.
- Eight participants (**19.05%**) saw LIS professionals taking on a **bigger role** in the RDM area
- Seven participants (**16.67%**) asserted that LIS professionals need to provide **training and educational programs to users** including students and faculty members.
- Seven participants (**16.67%**) mentioned the value of **acquiring RDM knowledge and skills** in order to provide quality services.

Usability Ratings Across Units



Usability, Usefulness & Satisfaction (n=42)



Comments by Usability Participants

Positive Reactions to RDMLA

- P027: "I saw Tufts and Harvard and Simmons, Boston University, of course, Elsevier ... There were several very prestigious organizations involved. It makes me feel like this is a really nice joint effort."
- P031: "It's self paced ... I like the course objectives, I like that it's on there because now I'm getting more of like, alright this is what we're going to be talking about."
- P035: "I know a lot of librarians that would find this useful. Especially if it's going to stay with the Creative Commons license. It's cool, I really like it!"

Usability Comments

- P001: "It looks very nice and very simple. I like the layout of the individual units ... It's very clearly laid out."
- P004: "The quiz automatic grading does not provide explanation for why certain option selected is wrong."
- P031: "I will say, now that I'm here [Unit Overview page], I wish there was some kind of overarching hierarchy tree, on the side of the page. You know if I were coming back ... I know on the front page you can like skip around."

Feedback

P060 from Usability Testing

*Lecturer on Information Sciences,
University of Pretoria, South Africa*

“I would like to commend you (and the others involved) on a really excellent and much needed course on RDM. I felt that it was well organized, and a good blend of different types of materials (e.g. video, text, exercises). I am looking forward to doing the rest of the modules.”

From Email Exchange

*Associate Professor, School of Library and
Information Studies, University of Alberta, Canada*

“I wanted to thank you so much for your work on this project and making it available as an open education resource. I am going to enroll immediately. I also teach the Introduction to Research in LIS course and the Seminar in Advanced Research and will definitely either encourage students to use this resource, build a small assignment using it, or both. This is wonderful.”

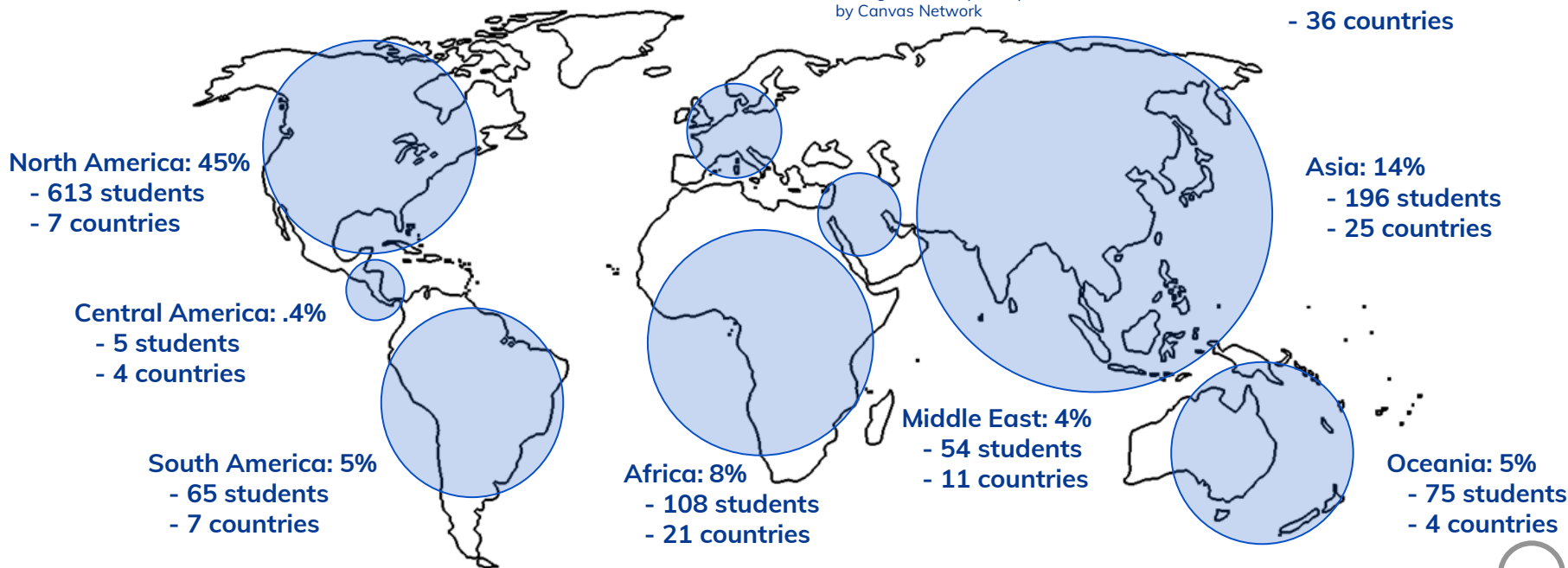
Success Metrics to Date

October 7, 2019 to February 11, 2020

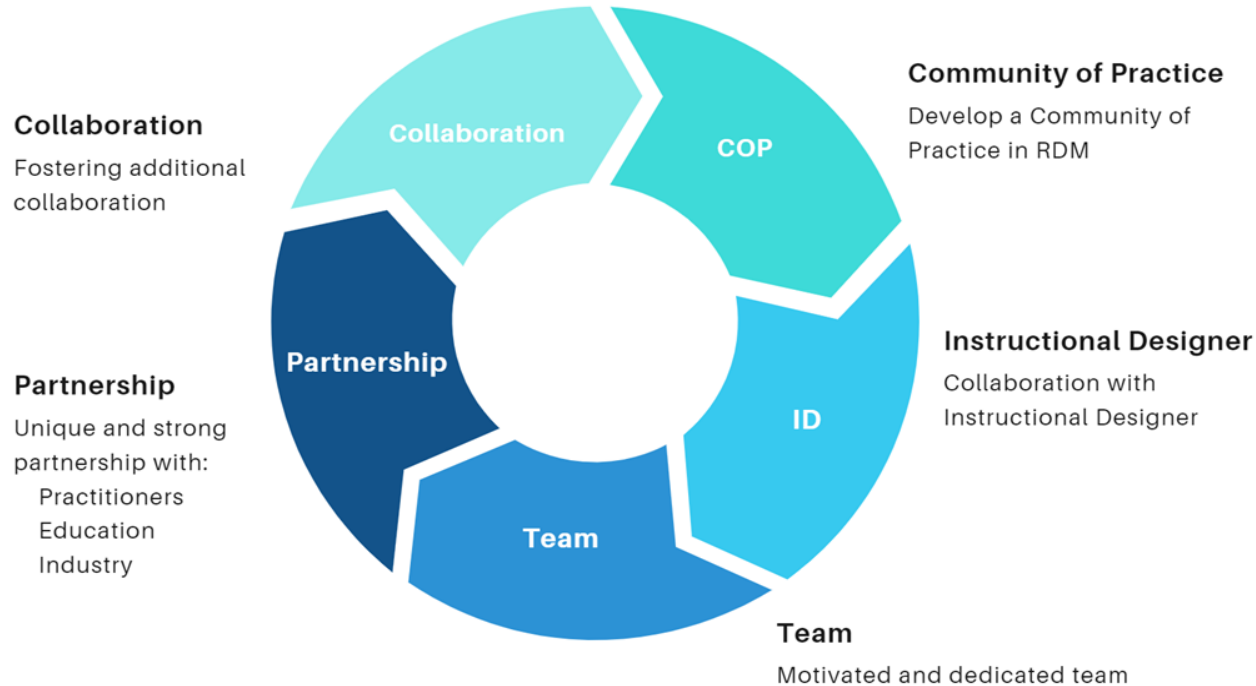
- Active Students: **2,277**
- Discussion Forum Posts: **809**
- Quiz Submissions: **4818**
- Course Completion Badges: **78**

Where In the World Are RDMLA Students?

Based off of 1,371 geolocation points provided
by Canvas Network



RDMLA Development: Recipe for Success



Potential New Partners

Simmons
UNIVERSITY

School of Library and
Information Science

RDMLA CE Credits



National
Taiwan
University

**Chinese Version of
RDMLA**

DataONE

**DataOne Skill
Building Hub Unit**



Monthly Meeting
April 2019

Check out the Course at:
canvas.net/browse/simmonsu/courses/research-data-management

Please help us spread the word!



Questions?



@TheRDMLA



@The_RDMLA