Research Data Management
LIBRARIAN ACADEMY
(RDMLA)

iConference 2019

Elaine Martin, Rong Tang, and Sanda Erderz

Agenda

- Overview
  - What is RDMLA
  - Partner Institutions
  - The RDMLA Team
  - Timeline
- RDMLA Curriculum & Unit Development
  - RDMLA Curriculum
  - Units
- Simmons SLIS CE
- Next Steps

What is RDMLA?

- An online educational program offering individuals to learn about research data management practices.

- Developed by a team of librarians who have expertise with RDM.

- The Academy offers eight units which can be taken separately or as a group.

- All units will be hosted online via the Canvas platform.

Partner Institutions

- Harvard University

- Simmons University

- Boston University

- Brown University

- Massachusetts College of Pharmacy and Health Science University

- Northeastern University

- Tufts University

- Elsevier
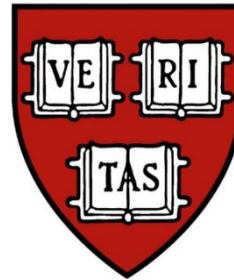
RDMLA Development Team

RDMLA Faculty

- Elaine Martin (Harvard); Julie Goldman (Harvard); Danielle Pollock (Simmons); Philip Coombs (BU);

- Andrew Creamer (Brown)

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

- Jen Ferguson (Northeastern); Rebecca Morin (Tufts)

- Rachel Lewellen (Harvard); Alison Thornton (Harvard); Denielle Adams (Harvard)

- Berika Williams (Tufts)

- Julie Goldman (Harvard); Scott Lapinski (Harvard), Jean Shipman

Timeline

PHASE 1

Summer - Fall 2018
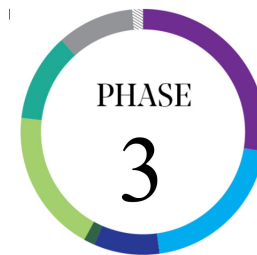
- A needs assessment survey & a LIS educator short survey
- A competency scan and an inventory of training and formal RDM curricula

PHASE 2

Spring - Summer 2019

- Academy course unit design and development
- Video recording, implementation of exercises and interactive learning objects
- Establish Simmons CE system

PHASE 3

Summer - Early Fall 2019

- Usability and UX tests
- QA tests
- Formal launch of RDMLA
- CE credit issuance (start in January 2020)

The RDMLA Curriculum

- 8 Unit + 1 Assessment Unit (for CE)

RDMLA

- Foundations of RDM
- Navigating Research Data Culture
- Advocating and Marketing the Value of RDM in Libraries
- Launching Data Services in Libraries
- Project Management & Assessment
- Overview of Data Analysis and Visualization Tools
- Overview of Coding Tools
- Overview of Platform Tools

Note: The Mendeley Data modules developed by Elsevier would be included in the RDMLA

RDMLA Units 1-2

Foundations of RDM

- Instructors: Philip Coombs, Elaine Martin, Danielle Pollock, Julie Goldman
- Introduction to the full range of RDM services based on DataOne data lifecycle stages, with a clear understanding of the role of the librarian/information professional.

Navigating Research Data Culture

- Instructor: Andrew Creamer
- RDM librarians need to understand researcher roles and research culture so they can design their services to meet the needs of research teams

RDMLA Units 3-4

Advocating and Marketing the Value of RDM in Libraries

- Instructors: Ceilyn Boyd; Richard Kaplan; Eric Albright; Mary Blanchard; Elaine Martin
- By using case studies of effective advocacy, make the case why libraries are the institutions that should offer data services to research projects

Launching Data Services in Libraries

- Instructor: Jen Ferguson; Rebecca Morin
- Focuses on what RDM services to deliver and how those services will be delivered (will use international case studies)

RDMLA Units 5-6

Project Management & Assessment

- Instructors: Rachel Lewellen; Alison Thornton; Danielle Adam
- Focuses on the project management aspect of RDM services and assessing that the services offered are effective at meeting their objectives.

Overview of Data Analysis and Visualization Tools

- Instructor: Berika Williams
- RDM Services can include processing, analyzing, and visualizing research data. This unit gives high level overivew of tools needed for these tasks.
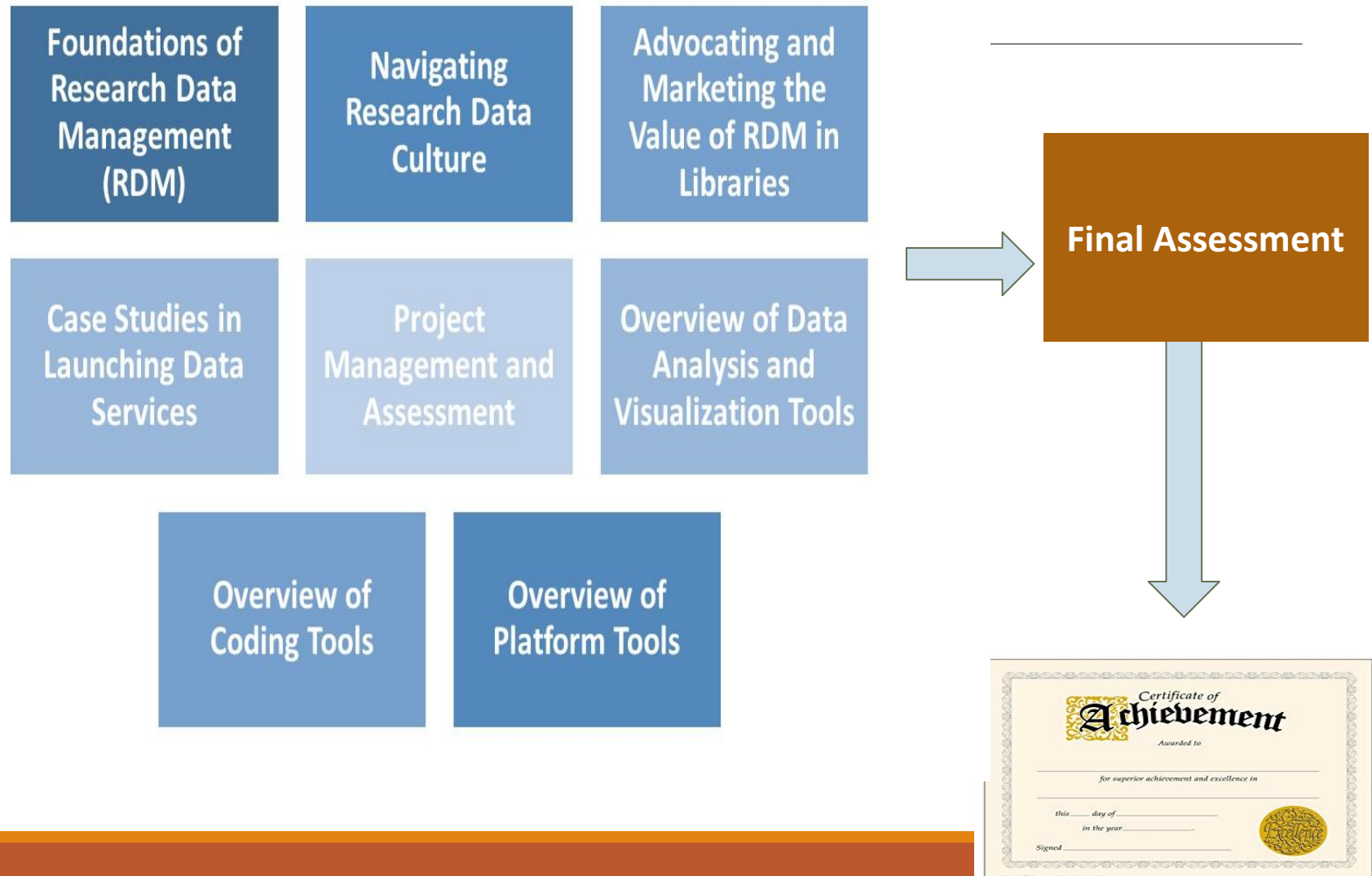
RDMLA Units 7-8

Overview of Coding Tools

- Instructors: TBA
- Focus on particular programming tools such as Python and Jupyter Notebook by providing a higher level overview of the tools but not specific procedure of using the tools

Overview of Platform Tools

- Instructor: Julie Goldman; Scott Lapinski; Jean Shipman
- RDM Services can't be accomplished without data repositories. This unit introduces platforms used for sharing data and collaborating.

Course Units & CE certificate

Foundations of Research Data Management (RDM)

Navigating Research Data Culture

Advocating and Marketing the Value of RDM in Libraries

Case Studies in Launching Data Services

Project Management and Assessment

Overview of Data Analysis and Visualization Tools

Overview of Coding Tools

Overview of Platform Tools

Final Assessment

Certificate of Achievement

Awarded to

for superior achievement and excellence in

this _____ day of _____

in the year _____

Signed _____

The CE Process

- RDMLA learners access course units on Canvas

- Upon completing each unit, they receive a unit completion certificate

- After they complete all eight units, if they choose to obtain Simmons CE credits, they pay a fee, take the RDMLA overall assessment test, and

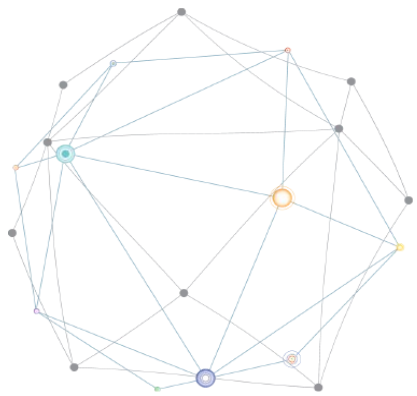- By passing the test, they receive Simmons SLIS CE credits

Next Steps
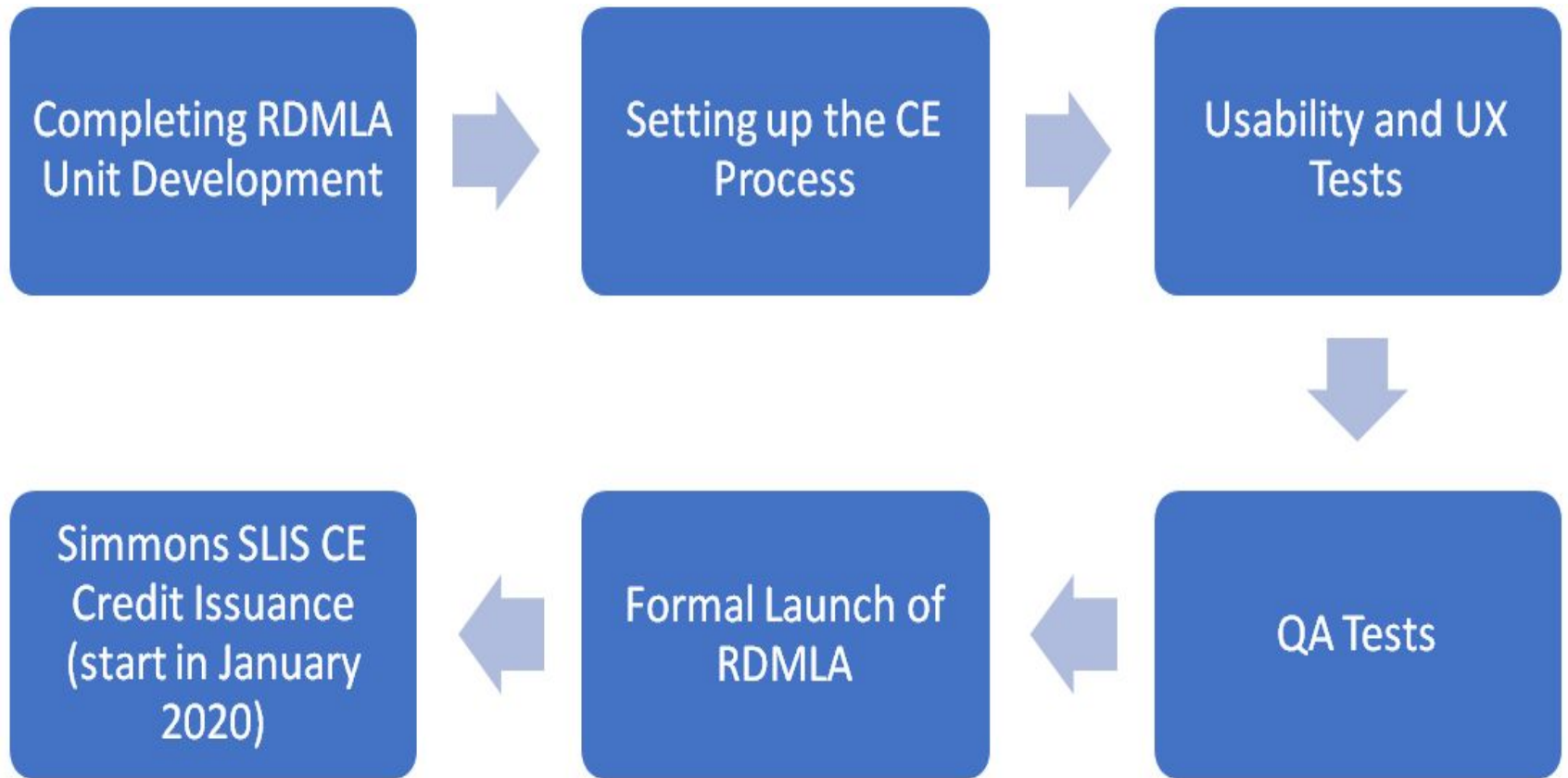
THANK YOU!

Please tell your community members about

Questions?