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2014 e-Science Symposium

Apr 9th, 12:00 AM

Librarians Working with Institutional Stakeholders to Support Researchers Writing Data Management Plans: Piloting a Research Data Management Curriculum

Andrew T. Creamer

University of Massachusetts Medical School

Donna Kafel

University of Massachusetts Medical School

Elaine R. Martin

University of Massachusetts Medical School

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Repository Citation

Creamer, A. T., Kafel, D., Martin, E. R., & Raboin, R. (2014). Librarians Working with Institutional Stakeholders to Support Researchers Writing Data Management Plans: Piloting a Research Data Management Curriculum. *University of Massachusetts and New England Area Librarian e-Science Symposium*. <https://doi.org/10.13028/bn59-k072>. Retrieved from https://escholarship.umassmed.edu/escience_symposium/2014/posters/3

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Librarians Working with Institutional Stakeholders to Support Researchers Writing Data Management Plans: Piloting a Research Data Management Curriculum

Andrew Creamer, Donna Kafel, Elaine Martin (University of Massachusetts Medical School) and Regina Raboin (Tisch Library Tufts University)

Overview



Biomedical researchers face multiple challenges in maintaining proper stewardship of their research data. The collaborative nature of team science and funders' requirements for data management plans have revealed a broad need for adherence to consistent research data management (RDM) best practices. UMMS and partnering libraries have developed the New England Collaborative Data Management Curriculum (NECDMC), a case-based RDM curriculum to support researchers' writing of data management plans. This poster presents ways that NECDMC is being used by a sample of pilot sites and initial feedback from researcher participants.

The New England Collaborative Data Management Curriculum

Lamar Soutter Library
A Leader in Service and Learning

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New England Collaborative Data Management Curriculum

About the New England Collaborative Data Management Curriculum

The New England Collaborative Data Management Curriculum (NECDMC) project is led by the Lamar Soutter Library at the University of Massachusetts Medical School in partnership with libraries from the Marine Biological Laboratory and Woods Hole Oceanographic Institution, Northeastern University, Tufts University, and University of Massachusetts at Amherst.

NECDMC is an instructional tool for teaching data management best practices to undergraduates, graduate students, and researchers in the health sciences, sciences, and engineering disciplines. Each of the curriculum's six online instructional modules aligns with the National Science Foundation's data management plan recommendations and addresses universal data management challenges. Included in the curriculum is a collection of actual research cases that provides a discipline specific context to the content of the instructional modules. These cases come from a range of research settings such as clinical research, biomedical labs, an engineering project, and a qualitative behavioral health study. Additional research cases will be added to the collection on an ongoing basis. Each of the modules can be taught as a stand-alone class or as part of a series of classes. Instructors are welcome to customize the content of the instructional modules to meet the learning needs of their students and the policies and resources at their institutions.

Built upon the Frameworks of a Data Management Curriculum developed by the Lamar Soutter Library and the George C. Gordon Library at Worcester Polytechnic Institute, the NECDMC is designed to address present and future researchers' data management learning needs.

Editors/Contributors

PI and Editor-in-Chief:

- Elaine Russo Martin, D.A.

Project Coordinators and Editors:

- Andrew T. Creamer, MA Ed, MSLIS
- Donna M. Kafel, RN, MLIS

<http://library.umassmed.edu/necdmc>



How Is NECDMC Being Used?



Funded by the National Library of Medicine under HHS-N-276-2011-00010-C with the University of Massachusetts Medical School, Worcester

Participant Responses from the Launch

Now I think of the data lifecycle as cyclical instead of linear

I now understand the risks associated with data sharing and storage applications

I never would have guessed something so small as a date format could affect the accessibility of my data!

I'd never considered granting a level of access to my data...

Wow, someone requested data even after 6 years!

Participants Suggestions for Improving NECDMC

- Specific examples of metadata preparation
- Details of where people should go for help
- RDM responsibilities (PI, students, etc.)
- Local tools, policies, and support available
- Discussions about quality control
- Specifics on sharing
- Specifics on depositing data