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## Challenges of Data Management Training for Graduate Students at a Large Research University

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**Presenter Information**

Matt Sheridan, Jessica Adamick, MJ Canavan, Steven McGinty, Rebecca C. Reznik-Zellen, and Maxine Schmidt

# Challenges of Data Management Training for Graduate Students at a Large Research University

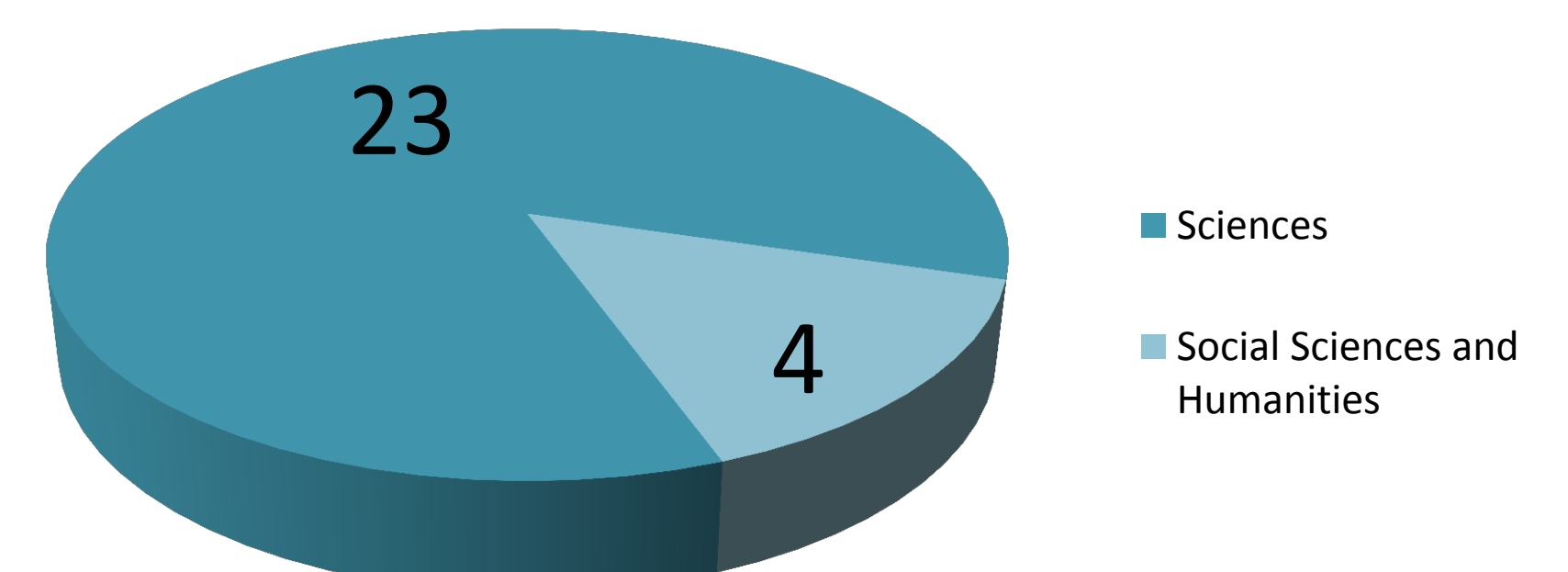
Jessica Adamick, MJ Canavan, Stephen McGinty, Rebecca Reznik-Zellen, Maxine Schmidt, Matt Sheridan



Beginning in 2010 the University of Massachusetts Amherst Libraries' Data Working Group has conducted a series of training workshops for graduate students on the subject of data management and preservation, with specific regard to the data management requirements of the National Science Foundation and National Institutes of Health. Below is a timeline of the Data Working Group's progress and its findings.

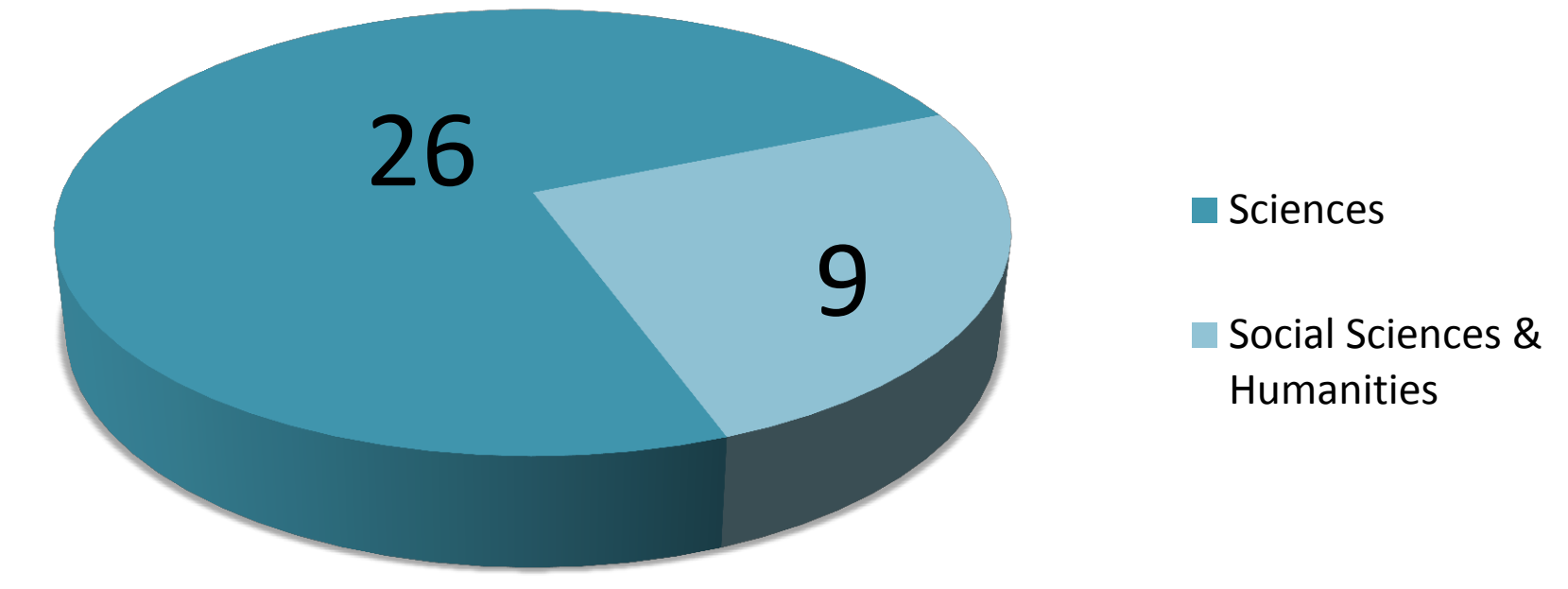


Graduate Students at September 2011 Workshop



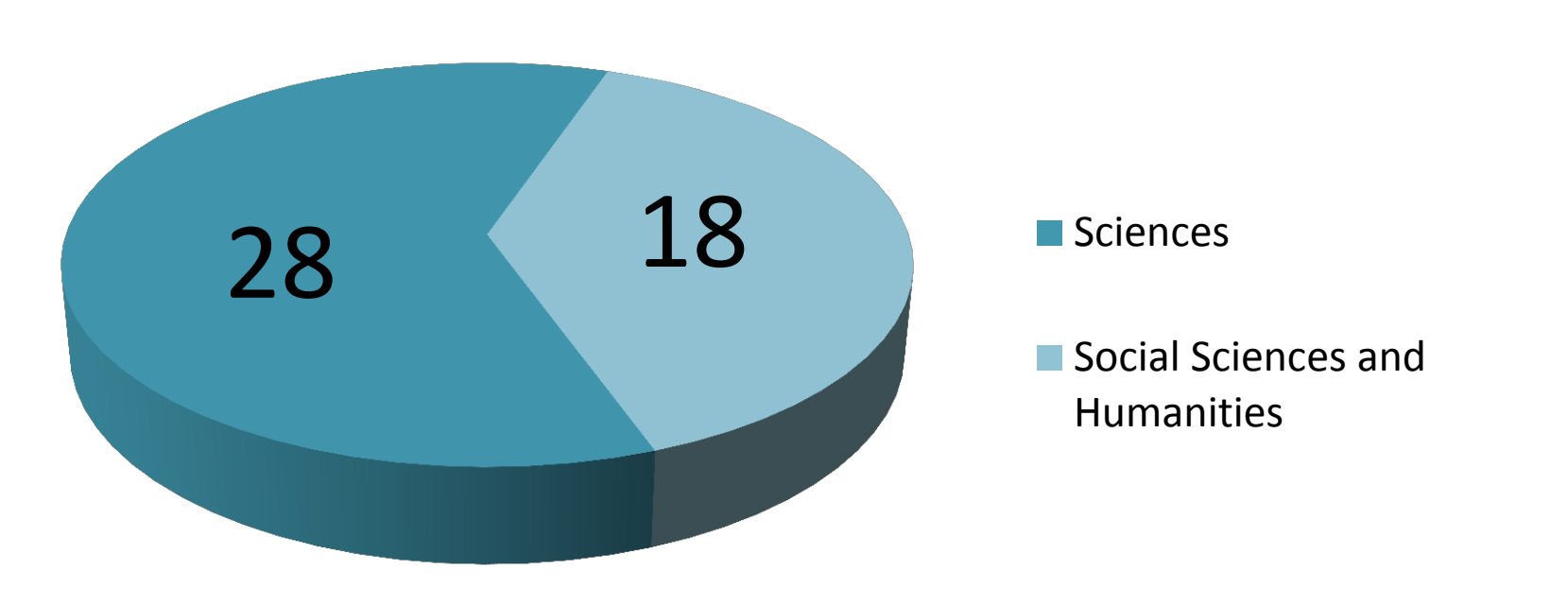
"I don't know what I don't know yet"

Graduate Students at December 2011 Workshop



"Even though it seems like common sense, most of us just have no idea"

Graduate Students at March 2012 Workshop



"This should be required curriculum in all incoming graduate student classes in science and engineering"

## Conclusions

- Graduate students not adequately prepared by PIs to deal with data
- Graduate students are made responsible for the data management
- Little to no experience with metadata or smart data practices
- Working with increasingly large amounts of data

## Future Steps

- Offer workshops and consultations more frequently
- Target incoming graduate students
- Develop a curriculum for graduate students on data literacy



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