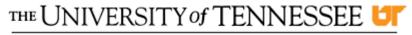
### DataONE: A Glimpse into the Practices of Data Managers

Eleanor J. Read Usability & Assessment Working Group <u>eread@utk.edu</u> IASSIST 2012

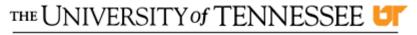


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#### DataONE: Data Observation Network for Earth

- www.dataone.org
- Funded by the National Science Foundation
- Building cyberinfrastructure to ensure the preservation of and access to environmental science data. There is also a focus on community engagement and outreach efforts related to DataONE.



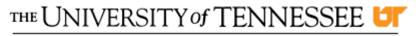
### Data Managers Survey

- Created by members of the Usability & Assessment Working Group led by Carol Tenopir (University of Tennessee School of Information Sciences)
- Distributed to a variety of groups and individuals by WG members and others
- Sent to IASSIST listserv

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80 respondents

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#### **Respondent Characteristics**

#### • Primary work sector:

- Government: 54/68%
  - State/Provincial/Tribal: 7/13%

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- Federal/National: 47/87%
- Academic: 22/28%
- Non-profit: 2/2%
- Other: 2/2%

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### **Respondent Characteristics**

- Primary subject discipline of the data:
  - Environmental science: 46 responses
  - Ecology: 37

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- Biology: 36
- Physical sciences: 30
- Hydrology, social sciences: 29

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- Geology: 25
- Atmospheric Science: 23

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#### **Respondent Characteristics**

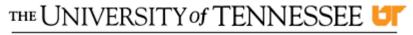
- Primary types of data managed:
  - Observational (no manipulation): 47 responses
  - Data models: 31

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- Biotic surveys: 29
- Experimental (some degree of manipulation): 26
- Remote-sensed abiotic data: 25

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- Social science survey: 22
- Remote-sensed biotic data, abiotic surveys: 21
- Interviews: 13



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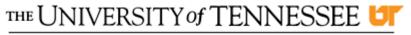
### **Providing Data Management**

 How many researchers do you support?

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- 0 3(4%)
- 1-5 7(9%)
- 6-10 4(5%)
- 11-20 3(4%)
- 21-30 4(5%)
- 31-40 1(1%)
- 41-50 3(4%)
- More than 50 49(66%)

- What percent of the data your agency generates is managed by you?
- 1-24% 42(67%)
- 25-49% 8(13%)
- 50-74%
  3(5%)
- 75-100% 10(16%)



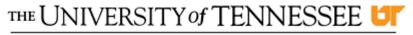
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# If your data are not available electronically to others....Why?

• Data are restricted: 29 responses

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- No administrative incentives/requirements: 23
- P.I. doesn't want the data available: 22
- Lack of staff: 21
- Lack of time: 20
- Lack of funding: 17
- Lack of technical infrastructure: 16
- Lack of standards, insufficient time to make available: 15
- Data may be temporarily embargoed: 14



Increasing Data Deposit / Storage

Increase funds to manage data: 44

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- Data deposit required/Extra Assistance: 29
- Credit: 28
- Training: 26

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• Support incremental data deposit: 16



### Data Management Plans

- Have a data management plan for data that you manage?
- Yes: 49/83% ; No: 10/17%

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- Confident the DMP will ensure longterm access to the data:
- Agree: 73%, Disagree: 19%



#### Data Management Plans

• My DMP is regularly reviewed and updated: Agree: 56%, Disagree: 29%

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 Researchers I work with understand the DMP: Agree: 37%, Disagree: 29%



#### Conditions of Data Sharing Important or Very Important

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- Formal acknowledgement of the data providers and/or funding agencies in all disseminated work: 95%
- Formal citation of the data providers and/or funding agencies in all disseminated work: 99%
- Prior approval before results based on the data are disseminated in any format: 41%

## Conditions of Data Sharing

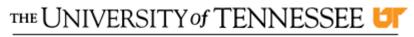
#### Important or Very Important

 At least part of the costs of data acquisition or retrieval must be recovered: 20%

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 Reprints of articles that make use of the data must be provided to the data provider: 47%



#### Conditions of Data Sharing Important or Very Important

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- The data provider is given a list of all products that make use of the data: 58%
- Permission for use is obtained: 42%



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#### Questions?

