

datasummit.library.ualberta.ca

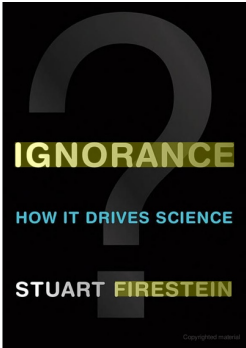
University of Alberta
Campus Data Summit
March 22-23 2012

Please join our Survey on Data Sharing & Management. The highlights will be shared at the Data Summit.



Research Data Management and Stewardship

Data are the lifeblood of research. Whether the product of observation, experimentation or simulation, data are the evidence upon which research is conducted. Given the long-standing importance of data to research, it has only been in the past few years that attention has been expressed about the treatment of data. For one thing, data are increasingly being viewed and managed as an asset of research, especially because of the substantial public investments now being made in the production of high-quality data. Rarely are data now looked upon as something to be discarded at the end of a project. As an asset, however, data need some form of stewardship to ensure their long-term preservation and usability.



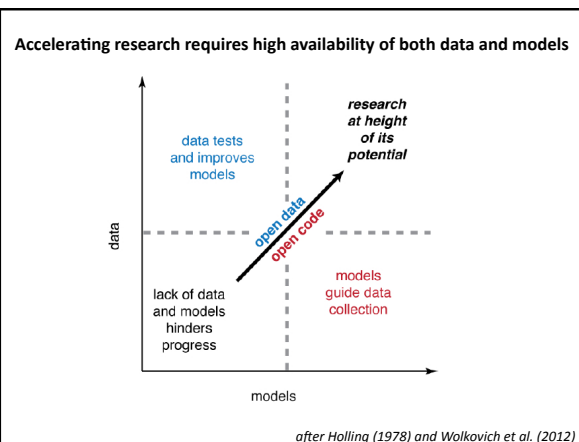
IGNORANCE
HOW IT DRIVES SCIENCE
STUART FIRESTEIN

Published by OUP, March 2012

“For scientists, facts are just the starting point.”

“Simply knowing a lot of stuff doesn’t make you a scientist, just a geek.”

“The main purpose of scientific knowledge is to generate new, knowledgeable ignorance.”



Why a Data Summit?

- ✓ **Research norms are changing with respect to the sharing of data.**
This is manifested in the Open Data movement and in calls for greater return on the investments made in data produced through public funding.
- ✓ **New developments in scholarly communication.**
Enabling the linkage of research findings with the evidence upon which they are based, by packaging new knowledge with the data on which it is based.
- ✓ **The Web itself is generating demands for greater access to data.**
The ability to ‘mash-up’ and repurpose information is becoming common practice, requiring greater attention to data preservation and dissemination capacities.
- ✓ **Methods of citizen science or crowd sourcing.**
Participation in the collection of data (e.g., bird censuses) or its analysis (e.g., SETI) has increased societal awareness of the value of data.



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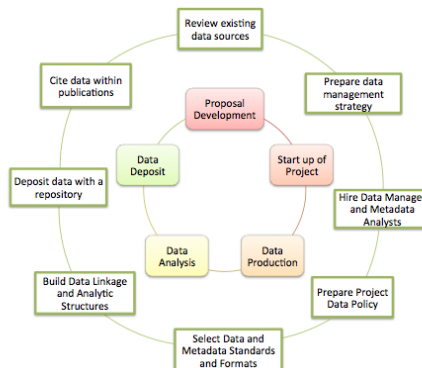


Research Data

“factual records used as primary sources for research, and that are commonly accepted in the research community as necessary to validate research findings”

Virtually all types of digital information have the potential to be research data but it isn't until this digital content is structured through a methodology or practice for analysis purposes that it specifically becomes research data.

Research Lifecycle and Data Curation



* Policies
* Infrastructure
* Coordination and Leadership
* Standards and Interoperability

* Capabilities and Education
* Research Culture
* Funding and Sustainability

Framework for Action

- **Researchers** ensure data management standards are taken into account when creating and analyzing research data.
- **Universities** further develop the infrastructure for collecting and preserving research data.
- **Funding agencies** require that funded projects adopt appropriate standards for data management and that data management plans are part of funding applications.
- **Canadian governments** establish policies that make recipients of public research funding accountable for managing research data.

OPEN  International
ACCESS WEEK

Tuesday, Oct 25th, 2011
2:00-3:30 pm
CAB 229

Open Data at the U of A and Beyond:
What Is It – and Why Does It Matter to You?

<http://www.library.ualberta.ca/studenttraining/section/index.cfm?cid=170>

 UNIVERSITY OF ALBERTA
LIBRARIES

 CCI 50 years
1968-2018

March 22, 2012

Data-Intensive Research Transforming Science

- 2:00 - 2:15 Welcome and Introductions
- 2:15 - 3:00 Data Summit Keynote Presentation (Dave Carlson)
- 3:00 - 4:00 Challenges in collecting, managing and archiving data: vignettes
Isabel Barrio, Zac Robinson, Liza Piper, Scott Williamson, Gilberto Pastorello, Todd Kristensen
- 4:00 - 4:15 Preliminary Results from the Campus Data Management Survey
- 4:15 - 4:45 Data in the Research Library of the Future (Mary-Jo Romaniuk)
- 4:45 - 5:15 Open Discussion
- 5:15 - 6:30 Reception

March 23, 2012

Polar Research, Data Management and Archiving (ECHA 2-490)

- 9:00 - 9:30 Polar Data Commons: national infrastructure to support international research (*Dave Carlson*)
- 9:30 - 10:00 Inuit Tapiriit Kanatami: working with Inuit communities to preserve their data (*Scot Nickels*)
- 10:00 - 10:15 Open Data: legal and conceptual issues (*Tania Bubela*)
- 10:15 - 10:30 Data Assembly Centre Network Infrastructure: making it all work (*Lindsay Johnston*)
- 10:30 - 10:45 Sanity Break
- 10:45 - 11:30 Panel: Coordinating Northern Research Data Practices and Infrastructure
David Hik, David Carlson, Scot Nickels, Tania Bubela, Chuck Humphrey
- 11:30 - 12:00 University Service & Academic Unit Responses
Susan Babcock (Research Ethics Office)
Lorraine Deydey (Research Services Office)
Cindy Paszkowski (Associate Chair Research, Biological Sciences)
AICT, FGSR, and others