National Data Integrity
Conference Remarks

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Dean of CSU Libraries and VP for IT
May 8, 2015
Ruminations, Contemplations & Musing

• Big Data
  – Big opportunity
  – Big task
CIF21: cyberinfrastructure as an ecological system

- Grand Challenge Communities
- Scientific Instruments
- Advanced Computational Infrastructure
- Software
- Campus Bridging, Cybersecurity
- Learning & Workforce Development
- Innovation, Discovery
- Data
Accelerate Discovery via Reuse
21st Century Research Institution

VP for Research

Institutional Research

Faculty

Library

VP for IT

5/8/15 NDIC Conf. Intro
Open Government & OA

My Administration is committed to creating an unprecedented level of openness in Government. We will work together to ensure the public trust and establish a system of transparency, public participation, and collaboration. Openness will strengthen our democracy and promote efficiency and effectiveness in Government.

— PRESIDENT OBAMA, 01/21/09
The “Serials” Crisis: When Can We?

• Push for a 6-month embargo period?
  – Stop ordering some journal titles?
• Rely on publications being available on PubMed, etc?
• Stop paying publishers for perpetual access?
A Confusing Ecospace
Where Will We Store Data

Federal
Disciplinary
SC Centers
Institutional
Shared

“All of the above”
More Importantly

Where will our data be Organized, and Made discoverable?
The 7 V’s: Institutional Challenges

1. Volume
2. Velocity
3. Variability
4. Variety
5. Veracity
6. Visualization
7. Value
The Next BIG Thing?

Learning Analytics
Relative Magnitudes

Learning Analytics Data

Business Data
Recently
IT TAKES A VILLAGE...
Libraries-IT Integration

Librarians
- Data organization & structure
- IP issues
- Metadata
- Discoverability
- Preservation

Joint Operations

IT
- Storage capacity
- Transport capacity
- Back-up
- System admin
- IT security/privacy
- Transcoding

Data/Info Stewards
- The ‘front end’
- Interactions w/ researchers

System Stewards
- The ‘back end’
WE Have Much to Do
Let’s Do It Together
And Now, Introducing
Introduction - Elizabeth Iorns

• Co-Founder & CEO of Science Exchange
• Asst. Prof., Dept. of Medicine, U Miami School of Medicine
• Education
  – Y Combinator S2011 Mountain View, CA
  – Ph.D. in Cancer Biology Institute of Cancer Research London, U.K.
  – B.Sc (Hons) in Biomed. Science University of Auckland School of Biological Sciences Auckland, New Zealand
• All pubs in PubMed!
And, More Importantly

• Her research has focused on identifying mechanisms of breast cancer development and progression
• Recognized by Nature as one of the “Ten People that Mattered in 2012” for her role in launching the Reproducibility Initiative
• May 2013: named, with co-founders Ryan Abbott and Dan Knox, as "Tech’s Most Inspiring New Founder" by SV Angel’s David Lee.
• June 2013: mentioned as one of the "50 Women Who Are Changing The World" by WIRED
• May 2014: one of six female entrepreneurs to receive the Glamstarter Award from Glamour Magazine.
Please Join Me In Welcoming Elizabeth