Board on Research Data and Information

Symposium on Digital Curation in the Era of Big Data: Career Opportunities and Educational Requirements

Session 1 -- Why is Digital Curation Important for Workforce and Economic Development?
Session 2—Workforce Demand and Career Opportunities
Session 3 – Education and Training – Needs and Opportunities
Session 4 – Paths Forward

Future Career Opportunities and Educational Requirements for Digital Curation

Symposium on Digital Curation in the Era of Big Data: Career Opportunities and Educational Requirements

Source: http://sites.nationalacademies.org/PGA/brdi/PGA_070217

Board on Research Data and Information
National Research Council
Keck 100, 500 Fifth Street NW
Washington, DC

Thursday, July 19, 2012

MP3 Audio Files
- Symposium Audio – Morning (172 MB)
- Symposium Audio – Afternoon Part One (101 MB)
- Symposium Audio – Afternoon, Part Two (69.8 MB)

DRAFT AGENDA
Session 1 -- Why is Digital Curation Important for Workforce and Economic Development?

Session Chair: Margaret Hedstrom, Associate Dean for Academic Programs, School of Information, University of Michigan

8:30 Chair’s opening remarks—Margaret Hedstrom

8:35 Views of the sponsors

- Institute of Museum and Library Services — Susan Hildreth, Director
- National Science Foundation – Alan Blatecky, Director, Office of Cyber Infrastructure
- Alfred P. Sloan Foundation – Joshua Greenberg, Program Director

9:05 Keynote: Digital Curation and Big Data — David Weinberger, Senior Researcher, Berkman Center for Internet & Society, Harvard University

9:35 A Government Policy Perspective – Michael Stebbins, Assistant Director for Biotechnology, White House Office of Science and Technology Policy

9:50 National Science Foundation Policies About Information Access – Myron P. Guttmann, Assistant Director, Directorate for the Social, Behavioral, and Economic Sciences

10:05 Coffee break

Session 2—Workforce Demand and Career Opportunities

Session Chair: Michael Goodchild, University of California, Santa Barbara

10:30 Universities and Research Libraries—Anne Kenney, Director, Cornell University Library

10:45 Scientific Data Centers -- Margarita Gregg, National Oceanographic Data Center, National Oceanographic and Atmospheric Administration

11:00 A Data Scientist Perspective -- Vicki Ferrini, Associate Research Scientist, Lamont-Doherty Earth Observatory, Columbia University Slides

11:15 Entertainment Industry -- Andy Maltz, Director, Science and Technology, Academy of Motion Picture Arts and Sciences

11:30 Panel Discussion

12:00 Lunch

Session 3 – Education and Training – Needs and Opportunities

Session Chair: Carole Palmer, University of Illinois at Urbana-Champaign

1:15 Digital Curation as a Core Competency -- Elizabeth Liddy, Dean, School of Information, Syracuse University
Future Career Opportunities and Educational Requirements for Digital Curation

Source: http://sites.nationalacademies.org/PGA/brdi/PGA_069853

In December 2011, the Board on Research Data and Information launched its first consensus study titled “Future Career Opportunities and Educational Requirements for Digital Curation.” For the purposes of this study, Digital Curation is defined as the active management and enhancement of digital information assets for current and future use. The study will be performed pursuant to the following statement of task:

1. Identify the various practices and spectrum of skill sets that comprise digital curation, looking in particular at human versus automated tasks, both now and in the foreseeable future.

2. Examine the possible career path demands and options for professionals working in digital curation activities, and analyze the economic and social importance of these employment opportunities for the nation over time. In particular, identify and analyze the evolving roles of digital curation functions in research organizations, and their effects on employment opportunities and requirements.

3. Identify and assess the existing and future models for education and training in digital curation skill sets and career paths in various domains.

4. Produce a consensus report with findings and recommendations, taking into consideration the various stakeholder groups in the digital curation community, that address items 1-3 above.

The study will be performed in 18 months and the resulting consensus report will be published, in the first half of 2013, in accordance with NRC procedures. The study is sponsored by the Institute of Museum and Library Services (IMLS), the
National Science Foundation (NSF) and the Alfred P. Sloan Foundation. An ad hoc study committee has been appointed by the President of the National Academy of Sciences to conduct the study and write the consensus report.

**Members of the study committee:**

- Dr. Margaret Hedstrom (Chair), University of Michigan
- Mr. Lee Dirks, Microsoft Research
- Dr. Nicholas Economides, New York University
- Dr. Peter Fox, Rensselaer Polytechnic Institute
- Dr. Michael F. Goodchild, University of California, Santa Barbara
- Ms. Heather Joseph, Scholarly Publishing and Academic Resources Coalition
- Dr. Ron Larsen, University of Pittsburgh
- Dr. Carole L. Palmer, University of Illinois at Urbana-Champaign
- Steven Ruggles, University of Minnesota
- Dr. David E. Schindel, Smithsonian Institution
- Dr. Stephen Wandner, The Urban Institute

**Study committee meetings:**
The study committee held its first meeting on 15th and 16th of December, 2011 in Washington, DC. It held its second meeting on 3rd and 4th of May 2012 in Washington, DC. In the second meeting several guest speakers were invited to make presentations and participate in discussions on topics that are relevant to the scope of the study. The speakers were: Lauren Csorny, Bureau of Labor Statistics, U.S. Department of Labor; Nirmala Kannankutty, National Science Foundation; Gail Greenfield, National Research Council; Rachel Frick, Coalition for Library Information Resources; Carole Palmer, University of Illinois Urbana-Champaign; and Michael Chui, McKinsey Global Institute.

**Symposium**
As part of its third meeting, the study committee will hold a 1-day symposium on July 19, 2012 in Washington DC. The committee will invite several experts from the academia, private sector and the governmental agencies to provide their perspectives on digital curation workforce demand, education and training currently, and in the next decade. The symposium is open to the public and all stakeholders in the digital curation field. Once the agenda is finalized it will be posted on this website.

**Contact information:**
For more information please feel to contact the study director, Subhash Kuvelker (SKuvelker@nas.edu), or the BRDI director, Paul Uhlir (PUhlir@nas.edu).