

# Water Resources in a Changing Climate Cyberinfrastructure Working Group

Gessler, Glenn, Ames, Godfrey, Gollberg, Sheneman,  
McNamara, Snyder, Weber, Schumaker, Consultants...

- MOU – 2011
- Other Actions – CI working group
  - Cybercollaboratory, Point Observation, Geospatial Architecture Development – NKN
  - Data Policy – directive from NSF
- CI Strategic Action Plan for Idaho Universities
  - Survey
  - Goals 1-5
- Role CIAC Members

# Idaho Cyberinfrastructure Advisory Council

- Research University's, INL/CAES, IRON
- Report to our respective Vice President's for Research

## Member representatives

- BSU - Davis-Johnson & Flores
- ISU - Weber & Schou
- UI - Ewart & Gessler
- INL - Whiting
- IRON -

Create a forum for collaborating on cyberinfrastructure investment to support research in the state and region



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Award Abstract #1341040

**CC-NIE Networking Infrastructure: Enhancing Network Capabilities to Foster Big Data Science at the University of Idaho**

NSF Org: [ACI Div Of Advanced Cyberinfrastructure](#)

**Initial Amendment Date:** September 11, 2013

**Latest Amendment Date:** September 11, 2013

**Award Number:** 1341040

**Award Instrument:** Standard Grant

**Program Manager:** Kevin L. Thompson  
ACI Div Of Advanced Cyberinfrastructure  
CSE Direct For Computer & Info Scie & Enginr

**Start Date:** October 1, 2013

**End Date:** September 30, 2015 (Estimated)

**Awarded Amount to Date:** \$447,969.00

**Investigator(s):** Paul Gessler paulg@uidaho.edu (Principal Investigator)  
James Foster (Co-Principal Investigator)  
Daniel Ewart (Co-Principal Investigator)  
Lucas Sheneman (Co-Principal Investigator)

**Sponsor:** University of Idaho



# Big Data Regional Innovation Hubs

## Charrettes for Accelerating the Big Data Innovation Ecosystem



Ann Arbor, MI • Salt Lake City, UT • Durham, NC • Boston, MA


Presented by  
**USENIX**

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 **Tim Hunter** 15 May  
@trjh

...it's not easy to get to quality conferences these days, especially with the cost, and that one was absolutely brilliant.  
[#srecon15europa](#)

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 **USENIX** 15 May

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## Overview

### CONNECT WITH US

In mid-2014, the National Science Foundation (NSF) issued a Request for Input entitled, [Accelerating the Big Data Innovation Ecosystem](#), to explore the establishment of a national network of "Big Data Regional Innovation Hubs". These hubs would help scale up the activities and partnerships established over the past 3 years by the National Big Data R&D Initiative, as well as stimulate new regional and grassroots partnerships in this field. They could help accelerate Big Data solutions to global and societal challenges by convening stakeholders across sectors to partner in results-driven programs and projects; act as a matchmaker among the various academic, industry, and community stakeholders to help drive successful pilot programs; help share best practices; help accelerate technology transfer between universities, public and private research centers and laboratories, large enterprises, and small- and medium-sized businesses; facilitate engagement with opinion and thought leaders on the societal impact of Big Data technologies; and support education and training in the new interdisciplinary field of *Data Science*.

A series of four intensive planning activities (*charrettes*) is being held with the objective of bringing together various stakeholders in order to map solutions paths. USENIX is conducting these charrettes to bring together academic, non-profit, governmental, and business communities throughout the country to form grassroots *regional* partnerships to foster and propel Big Data approaches across all sectors. These communities represent stakeholders in the Big Data ecosystem, including corporations, universities, philanthropies, non-profits, and state and local governments.

Each *charrette* is meant to be an intensive, one-day design and planning workshop with the objective of convening stakeholders in that region around a common set of Big Data challenges —particularly those that may be especially relevant to that region. Each charrette aims to help establish a regional consortium that builds upon existing efforts within the region.

The charrettes will take place within the defined regions of the [West, Midwest, South, and Northeast\[1\]](#). The dates and locations of the charrettes are:

- April 8<sup>th</sup>, 2015: Midwest, in Ann Arbor, MI (Sheraton Ann Arbor Hotel);
- April 10<sup>th</sup>, 2015: West, in Salt Lake City, UT (Sheraton Salt Lake City Hotel);
- April 13<sup>th</sup>, 2015: South, in Durham, NC (Marriott at Research Triangle Park);
- April 17<sup>th</sup>, 2015: Northeast, in Boston, MA (Four Points by Sheraton Wakefield Boston Hotel & Conference Center).

Meetings will be held from 9:00 a.m. to 5:00 p.m., with registration and breakfast beginning at 8:00 a.m.

### USENIX CONFERENCE POLICIES

- [Event Code of Conduct](#)
- [Conference Network Policy](#)
- [Statement on Environmental Responsibility Policy](#)

# Big Data Regional Innovation Hubs (BD Hubs) Accelerating the Big Data Innovation Ecosystem

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## PROGRAM SOLICITATION NSF 15-562



**National Science Foundation**

Directorate for Computer & Information Science & Engineering

**Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):

June 24, 2015

### IMPORTANT INFORMATION AND REVISION NOTES

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Any proposal submitted in response to this solicitation should be submitted in accordance with the revised NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 15-1), which is effective for proposals submitted, or due, on or after December 26, 2014. The PAPPG is consistent with, and implements the new Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance) (2 CFR § 200).

### SUMMARY OF PROGRAM REQUIREMENTS

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#### General Information

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**Program Title:**

Big Data Regional Innovation Hubs (BD Hubs)  
Accelerating the Big Data Innovation Ecosystem

**Synopsis of Program:**

In March 2012, the Administration announced the National Big Data Research and Development Initiative, which aims to solve some of the Nation's most pressing R&D challenges related to extracting knowledge and insights from large, complex collections of digital data. As part of this initiative, the Administration encouraged multiple stakeholders



## Erin Robinson, Executive Director, Foundation for Earth Science



email: [erinrobinson@esipfed.org](mailto:erinrobinson@esipfed.org)  
Phone: 314-369-9954  
[Connect with Erin on LinkedIn](#)

In November, 2014, Erin began working for the Foundation for Earth Science, as the Executive Director. Prior to that worked for FES as the Information and Virtual Community Director. She leverages her knowledge of environmental informatics, in particular collaborative web technologies to support the diverse communities of practice that make up the Federation for Earth Science Information Partners (ESIP). Her current research interest include improving collaboration among distributed partners by enhancing connections at various levels in the interoperability stack, coordinating events to enhance human-to-human relationships, developing collaborative sites that integrate social media to facilitate knowledge exchange and sharing Earth observations through standard data access.

## Annie Burgess, ESIP Community Director, Foundation for Earth Science

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