

# Data-Sharing in GEM<sub>3</sub>

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GEM<sub>3</sub> Data Managers



# Pop Quiz:

What are my obligations for data under GEM3?

- a. Collect data and use it for myself
- b. Share my data with other GEM3 folks
- c. Share my data with the public
- d. A & B
- e. All of the above

# NSF Open-Science Requirement

May 9, 2013

Open Data Memorandum  
(OMB Memorandum M-13-13)



THE DIRECTOR

EXECUTIVE OFFICE OF THE PRESIDENT  
OFFICE OF MANAGEMENT AND BUDGET  
WASHINGTON, D.C. 20503

May 9, 2013

M-13-13

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Sylvia M. Burwell  
Director

Steven VanRockel  
Federal Chief Information Officer



Todd Park  
U.S. Chief Technology Officer

Dominic J. Mancini  
Acting Administrator, Office of Information and Regulatory Affairs

SUBJECT: Open Data Policy—Managing Information as an Asset

Information is a valuable national resource and a strategic asset to the Federal Government, its partners, and the public. In order to ensure that the Federal Government is taking full advantage of its information resources, executive departments and agencies (hereafter referred to as “agencies”) must manage information as an asset throughout its life cycle to promote openness and interoperability, and properly safeguard systems and information. Managing government information as an asset will increase operational efficiencies, reduce costs, improve services, support mission needs, safeguard personal information, and increase public access to valuable government information.

# So how does this impact to YOU?

	 <b>Internal sharing</b>	 <b>External sharing</b>
<b>Who</b>	Other GEM <sub>3</sub> researchers	The public
<b>What</b>	All data (input, output, models, code)	All non-sensitive GEM <sub>3</sub> data
<b>When</b>	A.S.A.P.	No later than 12 months after publication
<b>Where</b>	Idahogem3.org	Any approved public data repository
<b>Why</b>	Because NSF requires it and we said we would in the proposal	

How to share internally?

[www.idahogem3.org](http://www.idahogem3.org)



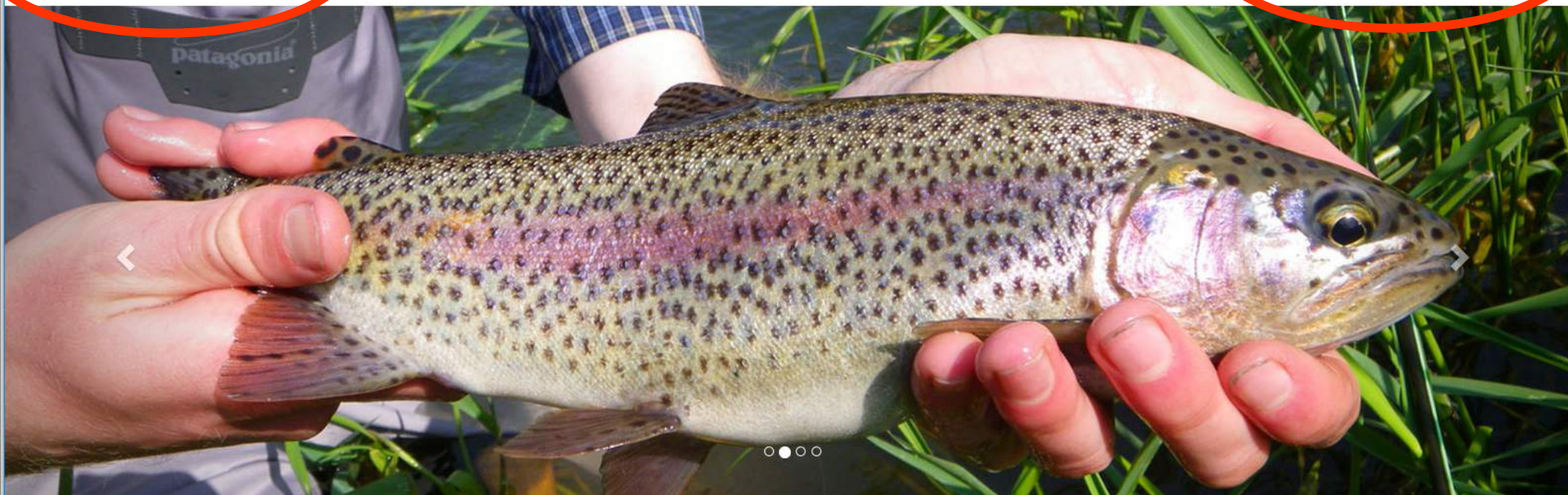
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# GEM3

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## Welcome

**GEM3** is an **NSF EPSCoR** research program seeking to understand how genetic diversity and phenotypic plasticity affect species response to environmental change, shaping both population response and adaptive capacity. Two focal taxa will be under study: one aquatic (redband trout) and one terrestrial (sagebrush). These taxa are integral to ecosystems in the American West, and are central to land-use management decisions that drive the economy of the region.

## GEM3 in a Nutshell

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Mail - croever@uidaho.edu

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Award No. OIA-1757324


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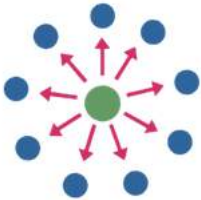
# Participant Responsibilities



## Report

Report your GEM3 progress and accomplishments every year (link available in March 2019).

Reporting helps us to demonstrate to NSF the wide impact and importance of the NSF investment in Idaho, and helps ensure their future investment in Idaho EPSCoR.



## Share


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**Click here**

[Share your data privately](#) with other GEM3 researchers.

Share your data with the public using one of these open data repositories:

- [Northwest Knowledge Network \(NKN\)](#)
- [Boise State University Scholarworks](#)




## Acknowledge

Acknowledge the **EPSCoR award (OIA-1757324)**.

If your work benefited from the use of EPSCoR equipment or an EPSCoR sponsored student worked in your lab or you received money from EPSCoR that contributed to your research or career, you must cite EPSCoR on all publications, presentations, press releases, requests for proposals, bid invitations, or any other documents or applications that describe projects or programs that were supported by EPSCoR.

**Example:** "This publication was made possible by the NSF Idaho EPSCoR Program and by the National Science Foundation under award number OIA-1757324."



## Participate

Attend the [GEM3 Annual Meeting](#) and connect with other GEM3 researchers.



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Carrie Roever

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## Submit Dataset

**Title of Dataset\***

**Description\***

The information someone would need to understand this dataset (the who, what, when, why, where, and how).

**Authors\***

Comma separated list (e.g., John Doe, Mary Smith, Gadgets Unlimited)

**Contact Person\***

First and last name -or- Organization

**Contact Email\***

**Spatial / Geographical Coverage Location**

Spatial location of the dataset. Could be Address, City, State, part of the world or other description.  
examples: "Northern Idaho, USA" or "Treasure Valley, Idaho"

**Spatial Extent (Lat/Lon)**

**Authors\*****Contact Person\*****Contact Email\*****Spatial / Geographical Coverage Location**

Spatial location of the dataset. Could be Address, City, State, part of the world or other description.

**Spatial Extent (Lat/Lon)****Temporal Extent (start date)****Temporal Extent (end date)****License****Additional Information****Upload file(s)** **Upload requirements**

If you experience problems uploading a file, please contact [croever@uidaho.edu](mailto:croever@uidaho.edu).

Metadata goes here

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## Submit Dataset

Thank you for your dataset submission! Once your dataset has been reviewed/approved by a data manager, the metadata will be made publicly available on GEM3.

If you have questions, please contact [Carrie Roever](#).

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Funding for this project is provided by:



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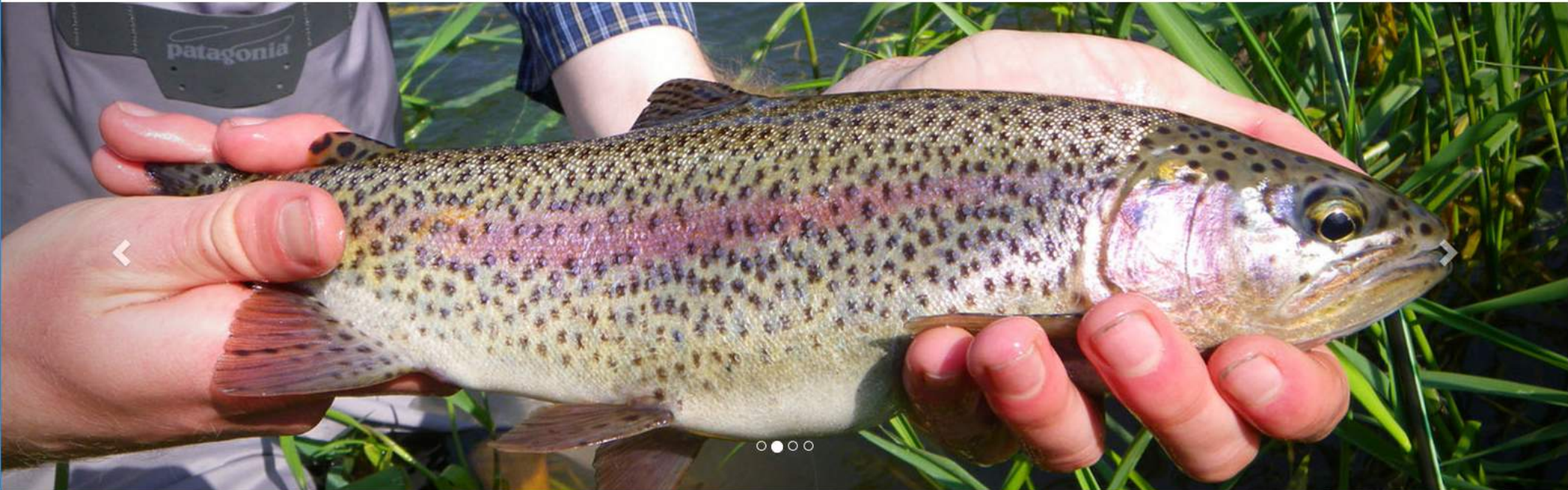
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Visit them at:  
<https://www.idahogem3.org>

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GEM3 Data Management Plan

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👤 Education

👤 Society

The following policy statements have been developed and refined for the [Idaho NSF EPSCoR Genes to Environment: Modeling, Mechanisms, and Mapping (GEM3)](<https://www.idahogem3.org>) grant OIA-1757324. The National Science Foundation (NSF) requires...

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Date Changed

December 3, 2018 (1)



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## GEM3 Data Management Plan

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The following policy statements have been developed and refined for the [Idaho NSF EPSCoR Genes to Environment: Modeling, Mechanisms, and Mapping \(GEM3\)](#) grant OIA-1757324. The National Science Foundation (NSF) requires establishment and enforcement of such policies as part of the new data management requirements of the Idaho EPSCoR program. These policies are intended to supplement standard legal constraints (such as Institutional Review Board [IRB] requirements); they are not intended to supplant or create conflicts with other institutional and legal requirements. These policies will be reviewed annually by the Data Management (DM) Working Group in consultation with the GEM3 Executive Leadership Team (ELT). Recommended policy revisions will be submitted to the GEM3 ELT for final approval.

As benefactors and contributors in the EPSCoR Program, we recognize that we are a team of scientists and administrators who have a collective obligation to maximize the utility of the granted resources through 1) active communication between project leaders, teams, the DM Working Group, and DM staff at the universities; 2) through collaboration, to more efficiently allocate and share resources (e.g. personnel, equipment, and software); and 3) recognition that raw data and subsequent data products generated internal to EPSCoR projects are a common good and priority should be given to provide mechanisms for access and sharing to the research community and the public as rapidly as possible according to the policies outlined below.

The complete GEM3 Data Management Plan can be downloaded below.

### Data and Resources

 [GEM3 Data Management Plan \(download\)](#)

**Click here to download**

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Mail - croever@uidaho.edu

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Education - Society


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**Data and Resources**

 **GEM3 Data Management Plan (download)**



Securely share data via email using the URL

Data is always associated with the metadata

No worries about file size, multiple-file sets, or encryption

# Discussion

- Is the LOGIN too great of a barrier?
- Any other questions/concerns?

## Contact us:

Jean Barney (BSU): [jeanbarney@boisestate.edu](mailto:jeanbarney@boisestate.edu)

Carrie Roever (UI): [croever@uidaho.edu](mailto:croever@uidaho.edu)