

NSF Public Access Initiative

Update for ISE
March 26, 2015

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Public access activities at NSF

2012

- Set up a small internal technical group
- Organized an interagency information exchange

2013

- OSTP memo released in February
- Organized public comment in May
- Prepared NSF's public access draft plan
- Initiated technical analysis

2014

- Completed the technical architecture, identified DOE/OSTI as the partner, and signed the MOU/IAA
- Completed two cycles of comments and responses on the draft plan
- Briefed the NSB

2015: Plan accepted

Participation

- NSF Steering Committee
 - Myron Gutmann, Cliff Gabriel, Joanne Tornow, co-chairs
 - Amy Friedlander
 - Amy Northcutt
 - Mary Santonastasso
 - Jane Silverthorne
 - Howard Wactlar
 - Roger Wakimoto
 - Coordinated with OGC and Policy Office as needed
- Technical teams drawn from DIS, BFA, OIRM, DOE, Policy Office
- Program Officer working groups to develop the plan (2013) and participate in two rounds of usability/requirements gathering (2014, 2015)

NSF Planning Requirements

- Provide access to the public
- Minimize burden on awardees/investigators and on NSF staff
- Embed public access activities in existing workflows
- Leverage existing systems:
 - Internal proposal and award management systems (research.gov; e-Jacket; Award Search; etc.)
 - External systems
 - DOE/OSTI infrastructure
 - Publisher/library services, e.g., CrossRef
 - Potentially others (federated system)
- Extensible to other products of NSF funded research
- Minimize cost

What does the plan say?

(consistent with OSTP policy objectives)

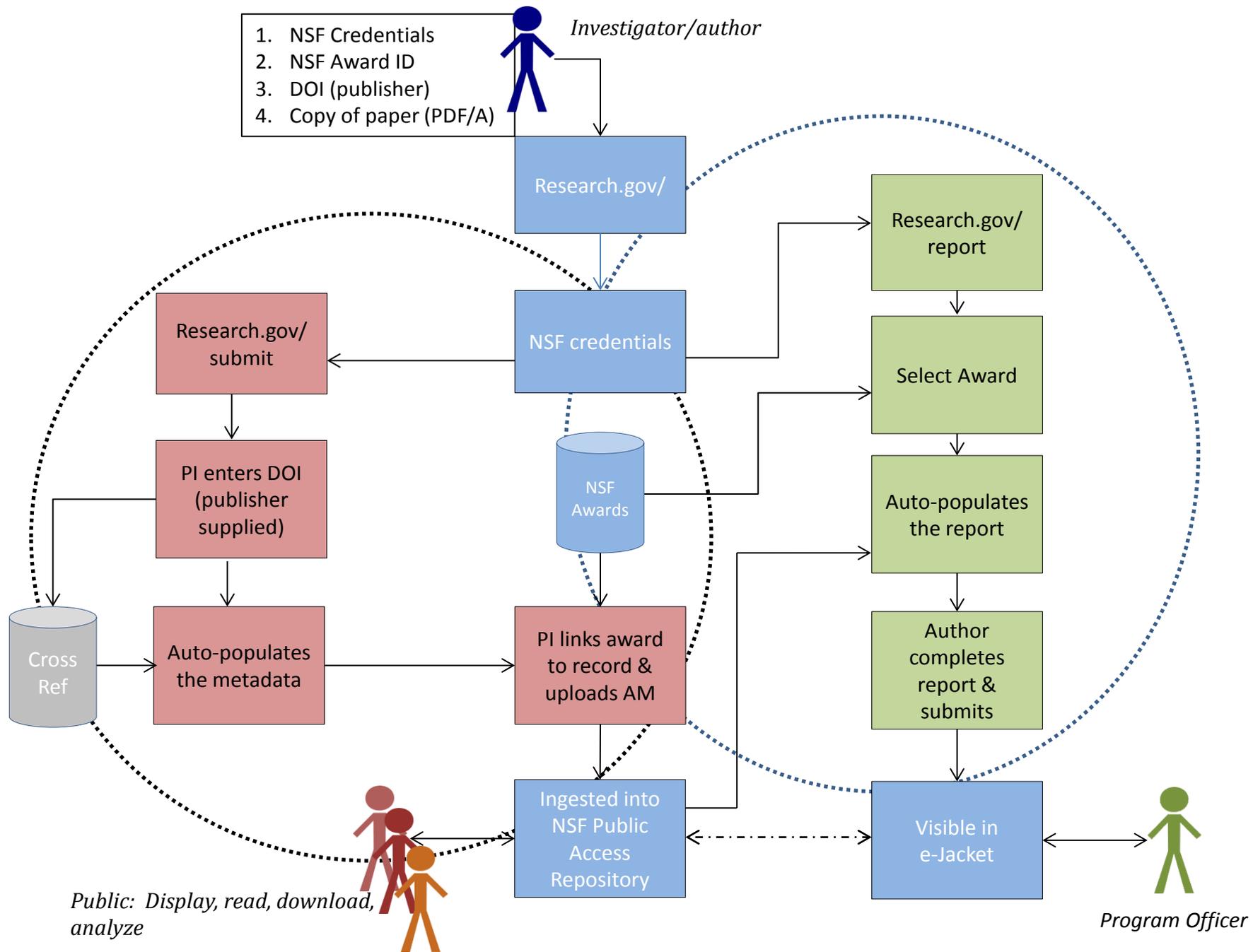
- Requires deposit of journal articles and juried conference papers funded by awards resulting from proposals submitted in January 2016 (PAPPG) to be made publicly available no later than 12 months after publication
- Allows for a waiver to the 12-month embargo
- Retains current DMP requirement, allowance for costs, and data citation and calls for community engagement to support consistent use of identifiers and metadata
- Leverages current programs, policies, and systems (e.g., Big Data to meet the requirement for education and training of requirement)
- Calls for a Working Group to provide oversight
- Establishes a website with the Plan, opportunity for feedback, and FAQ
- Calls for regular updates to the NSB and OSTP/OMB
- Allows for evolution to other products of NSF-funded research

What will/will not change?

- Deposit in support of public access is a **new requirement**.
 - Deposit is separate, but integrated with reporting in Research.gov. to minimize burden and support post award deposit including legacy
 - Builds on an **existing** reporting requirement.
 - Article Processing charges can be requested as a direct cost, as is **current policy**.
- Current DMP policies **remain in place** with activities intended to enable consistent identification, description, and management through the directorates/communities.

Publications: Two Ways to Deposit

- Publications submitted during the period of the award (multiple award cycles capture additional publications)
- Publications submitted after the award is requirement who want to make work available
- To deposit, a PI needs four pieces of information:
 - NSF credentials
 - NSF award ID
 - If available, Digital Object Identifier (DOI)
 - Copy of the journal publication in PDF/A



Next steps

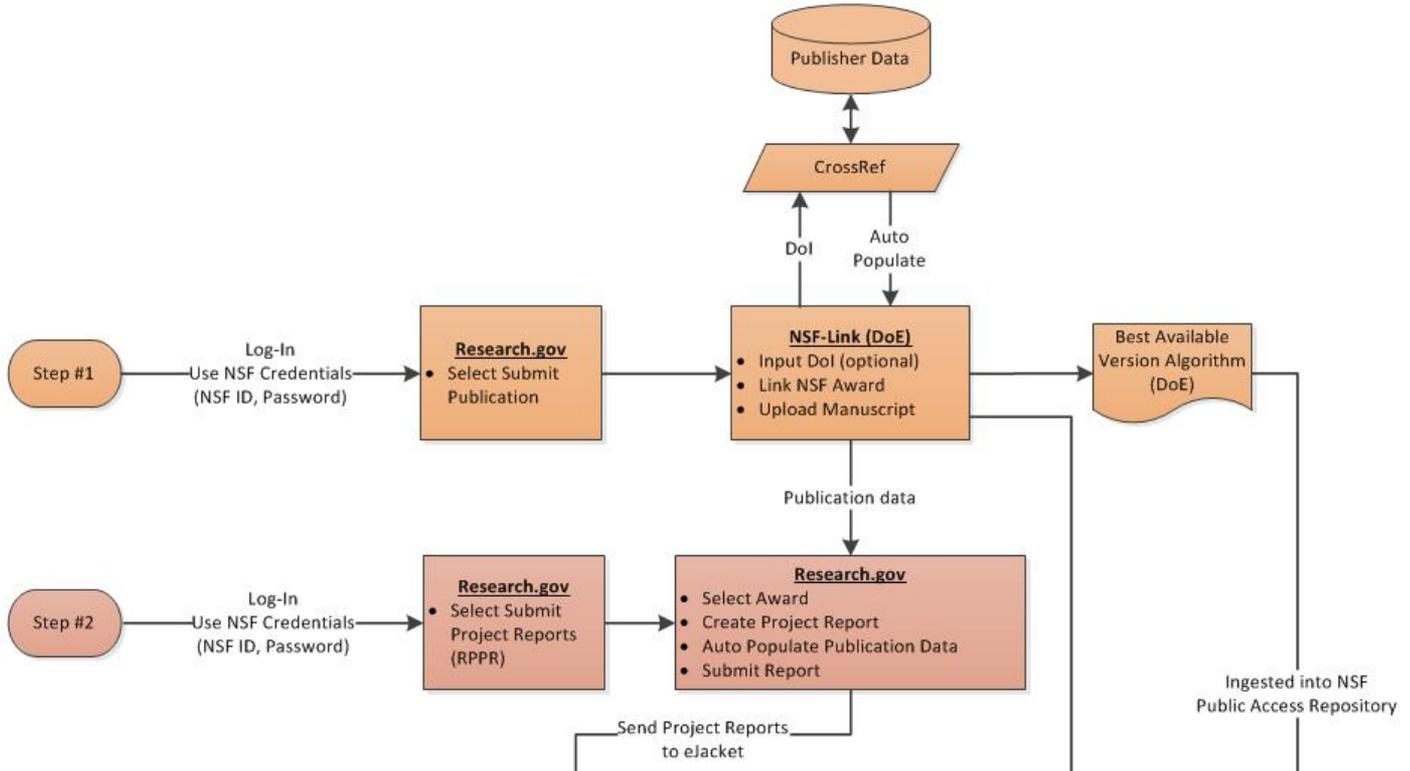
- Announce the plan and launch the website, March 18, 2015
- Socialize the plan with NSF staff and the research communities
- Organize the NSF Working Group
- Announce the proposed revision to the PAPPG in April 2015
- Stand up the NSF Public Access Repository (beta) and the extensions to Research.gov (beta) as a pilot by the end of calendar 2015
- Continue directorate/division/office activities that advance data management activities in support of public access
 - Projects in BIO, CISE, GEO, EHR, MPS, OIIA, SBE (with ACI) in 2014
 - Funding is available in 2015 for supplements (\$200k/directorate)

Backups

Principal Investigator



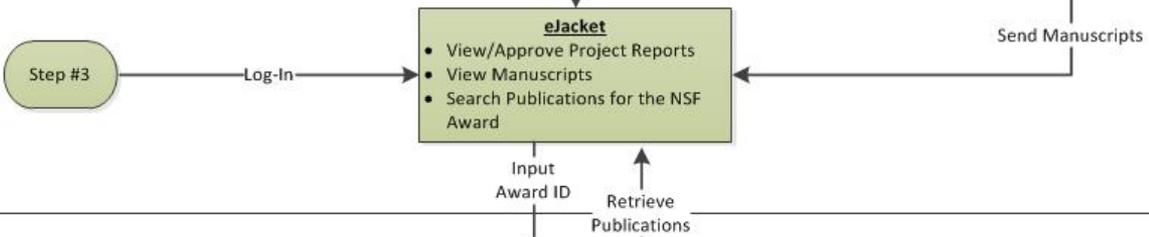
PI



Program Officer



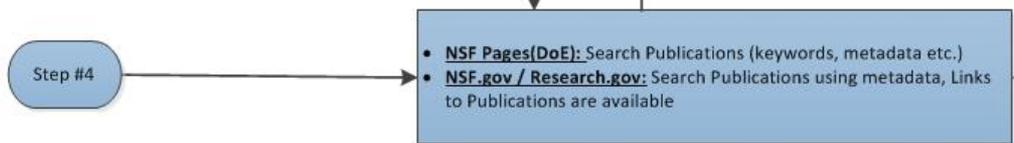
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Public



Public



Technical building blocks

- Identifiers – DOIs for publications
 - Disambiguate publications
 - Resolve to a landing page so that changes are independent of the identification
 - Widely used standard in the information communities
- Metadata – CrossRef (publisher utility)
 - Integrated bibliographic/citation information
 - 80 percent of the STM publishers participate
- One set of NSF credentials
 - Following NSF modernization activities
- NSF Award ID
- Repository

Mayernik, Matthew (UCAR)	1449668	GEO	EAGER: Repository Cross-Linking for Open Archiving and Sharing of Scientific Data and Articles
Lehnert, Kerstin	1449298	GEO	Geoinformatics Facilities Support: Integrated Data Collections for the Earth & Ocean Sciences: The Marine Geoscience Data System and the Geoinformatics for Geochemistry Program
O'Grady, Richard (AIBS)	1449499	BIO	A Proposal for Participant Travel Support to a Workshop to Identify Issues Related to Changing Practices Around the Publication of Data
Insight Policy Research Inc	E74979X	OIA	
O'Grady, Richard (AIBS)	1450894	BIO	Proposal for a Workshop on Reducing Barriers for the Management, Integration, and Public Sharing of Large and Complex Data among Biologists Working at Genome-Phenome to Macrosystems Levels
Hovy, Eduard (CMU)	1450545	CISE	A Method to Retrieve Non-Textual Data from Widespread Repositories
Martins, Emilia	1451110	BIO	Evolution of integrated behavior (US-India collaboration)
Webster, Michael	1451374	BIO	Meeting: Advancing the Accessibility of Digital Media for Biological Research in the 21st Century
Ruggles, Steven	1451112	ACI/SBE	DataNet Full Proposal: Terra Populus: A Global Population/Environment Data Network (Supplement)
Attewell, Paul	1455947	EHR	Building an inter-disciplinary research community to prototype computationally-intensive analysis of large scale educational datasets
Hildreth, Michael	1457413	MPS	Workshop Series to Gauge Community Requirements for Public Access to NSF-Funded Resesarch

Technical Team(s)

Name	Affiliation	Name	Affiliation
Lance Vowell	DOE/OSTI	Akhilesh Mathur	DIS
Tim Stoner	DOE/OSTI	George Patch	DIS
Mark Martin	DOE/OSTI	Abhi Kulkarni	DIS
Brian Hitson	DOE/OSTI	Carlo Ilagan	DIS
Jeffrey Salmon	DOE/OSTI	Belen Awetahegne	DIS
Amy Northcutt	OIRM	Harry Burdick	DIS
Lisa Jackson	SBE	Aaron Corbett	DIS
Erika Rissi	BFA	Steve Downing	DIS
Elvi Solanes	BFA	Pam Reichers	DIS
Beth Strausser	BFA	Bala Krishnamoorthy	DIS
Jean Feldman	BFA	Elanchezhian Sivagnanam	DIS
Jeff Vieceli	BFA	Michelle Toombs	DIS
Joshua Lindsey	DIS		

Program Officers and Staff

Name	Affiliation	Name	Affiliation	Name	Affiliation
<u>Plan Working Groups (2013)</u>		José Muñoz	OD	Deborah Livingston	SBE
Emily Grumbling	AAAS Fellow	Jong-on Hahm	OISE	Bob O'Connor	SBE
Erika Rissi	BFA	Jeri Mulrow	SBE	Cheryl Eavey	SBE
Sam Scheiner	BIO	<u>Usability Working Group (2014)</u>		Deborah Winslow	SBE
Frank Olken	CISE	Diane Okamuro	BIO	Shobhana Chelliah	SBE
Bob Chadduck	CISE	Melissa Cragin	BIO	<u>Usability Team (2015)</u>	
Maureen Miller	DIS	Sam Scheiner	BIO	Roger Wareham	BFA
David Saunders	DIS	Thomasina Osborne	BIO	George Malanson	BIO
Finbarr Sloan	EHR	Sylvia Spengler	CISE	Amy Apon	CISE
John Cherniavsky	EHR	Niki Bennett	DUE	Brandy Smith	DGA
Sue Kemnitzer	ENG	Lee Zia	EHR	William Miller	CISE
Maria Burka	ENG	Sarah McDonald	EHR	Ece Yaprak	EHR
Eva Zanzerkia	GEO	Josh Abbott	ENG	Laura Namy	SBE
Tom Statler	MPS	Barbara Ransom	GEO	Maryann Feldman	SBE
James Whitmore	MPS	Paul Sokol	MPS	Mo Wang	SBE
Eduardo Misawa	MPS	Amnon Meir	MPS		