

Data Management Planning: Get up to date with DMPTool and DMPonline

IDCC14

San Francisco, CA

February 24, 2014

Who we are

DMPOnline

- Sarah Jones
- Patrick McCann
- Marta Ribeiro

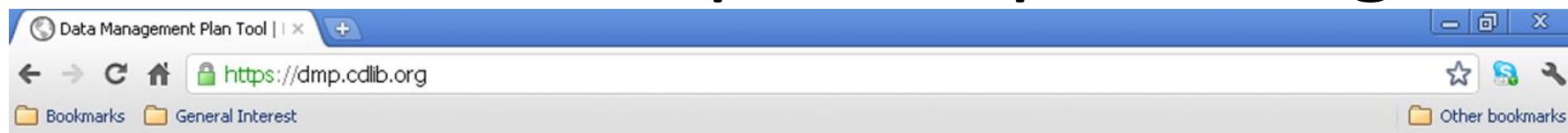
DMPTool

- Sherry Lake
- Sarah Shreeves

Who are you?

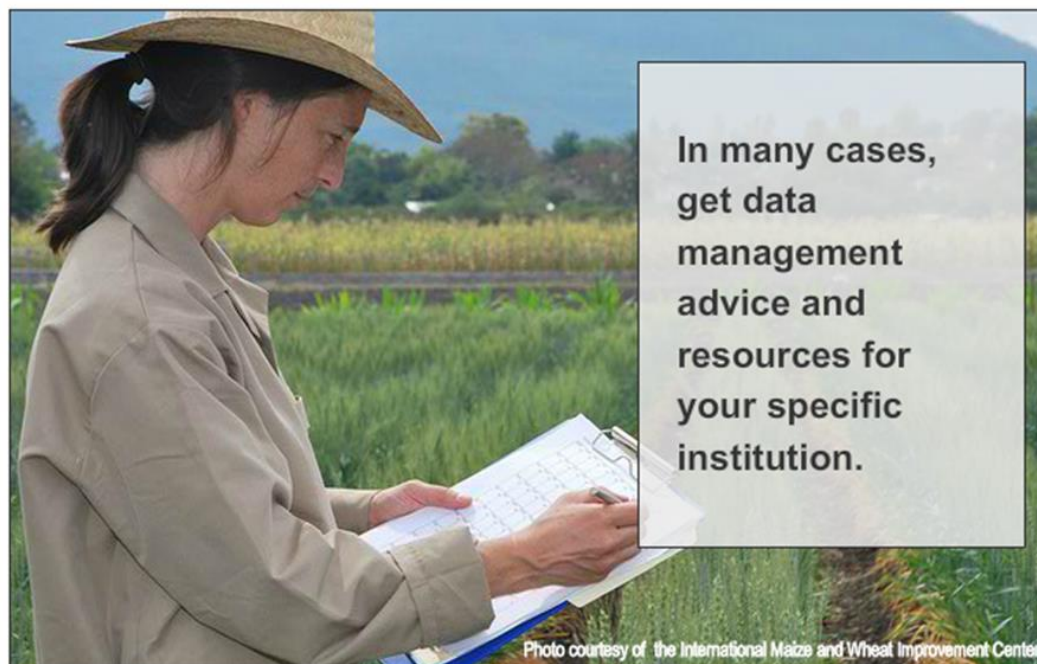
Background

What? – <http://dmptool.org>



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[Get Started!](#)

Data Management Plan Atmospheric CO2 Concentrations, Mauna Loa Observatory, 2011-2013

1. Types of data produced

All samples at Mauna Loa Observatory will be collected continuously from air samples located at five towers – a central tower and four towers located at compass quadrants. Raw data files will contain continuously measured CO2 concentrations, calibration standards, reference standards, daily check standards, and blanks. The sample lines located at compass quadrants were used to examine the influence of source effects associated with wind directions (SW). In addition to the CO2 data, we will record weather data (wind speed and direction, temperature, humidity, precipitation, and cloud cover). Site conditions at Mauna Loa Observatory will also be noted and related.

[See a plan created with the DMP Tool](#)

Recent DMP News

[DMPTool workshop at the DLF Fall Forum](#)

[DMPTool demo: Wed Oct 19](#)

[Importance of Data Management Education](#)

[More news >](#)

The DMP Tool allows you to: **1 2 3 4**

When?

Inspiration at IDCC 2010 by the DMP Online:
<http://dmponline.dcc.ac.uk/>



First call in January 2011



First release in October 2011



Grant for DMPTool2 from Alfred P. Sloan Foundation in
January 2013



Release of DMPTool in Spring 2014!

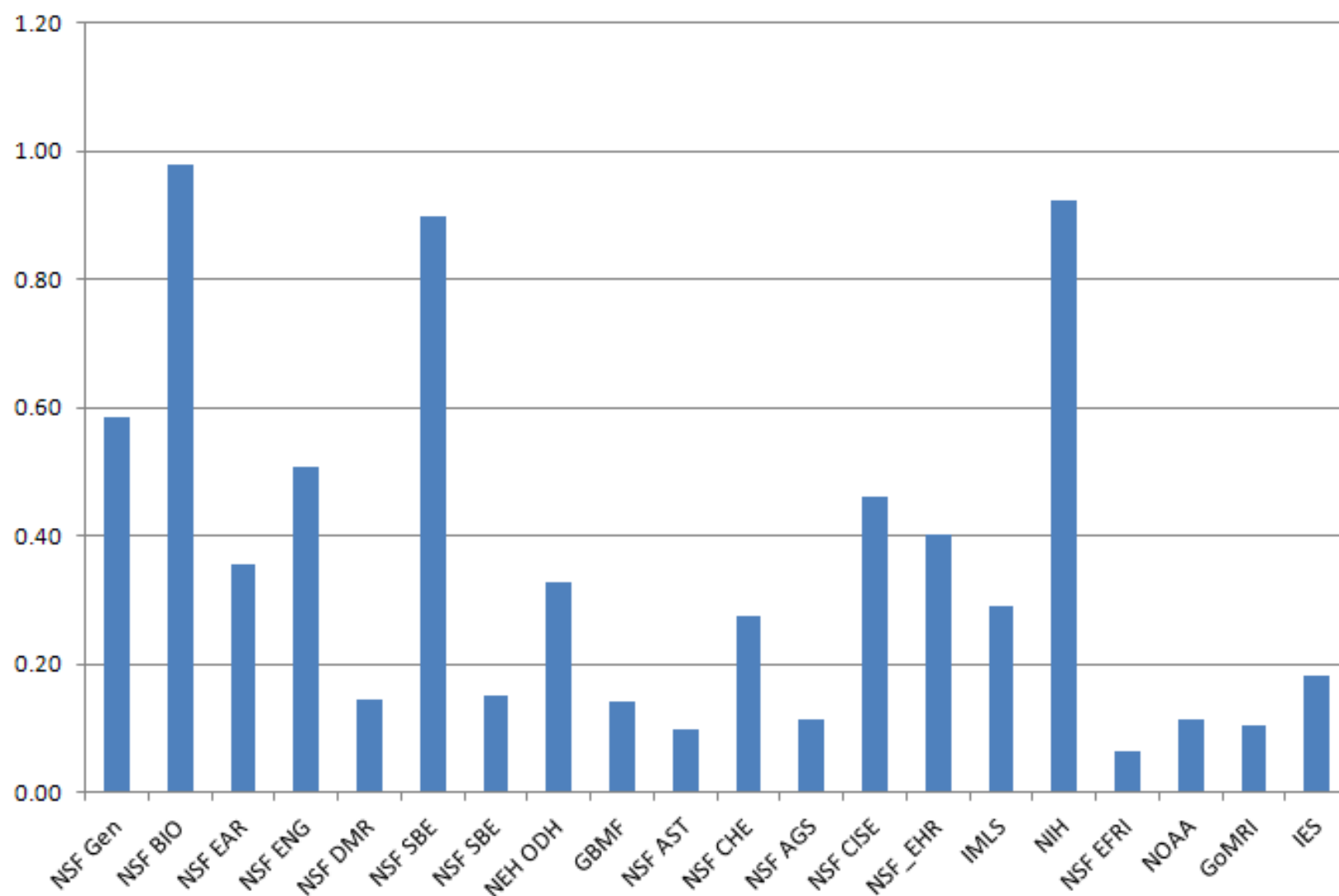
Who?



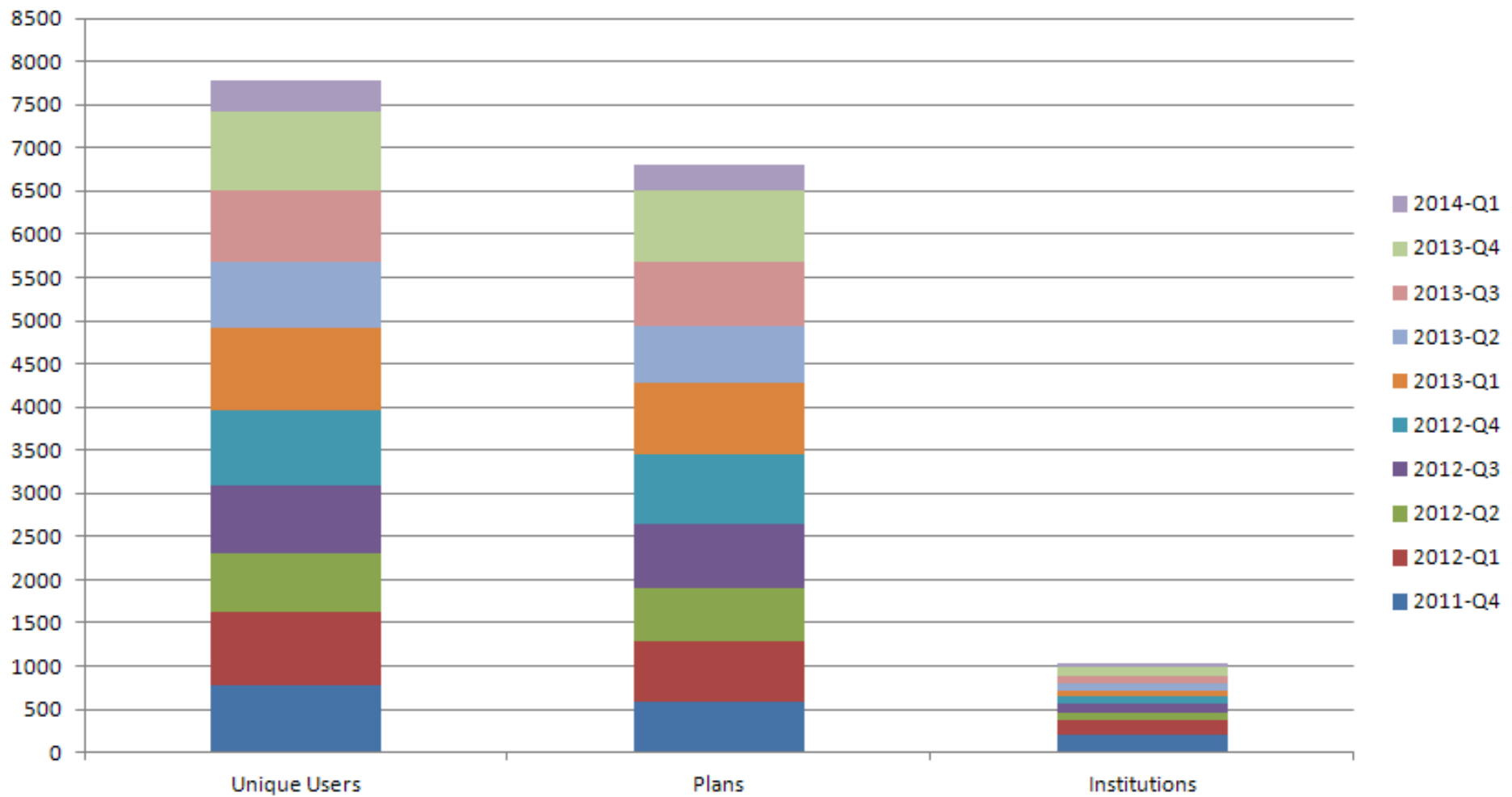
Why?

		Template	DMF Tool
Gordon and Betty Moore Foundation	Guidelines	Template [RTF]	
Gulf of Mexico Research Initiative		Template [RTF]	
Institute of Education Sciences (US Dept of Education)	IES Data Sharing Implementation Guide	Template [RTF]	
Institute of Museum and Library Services	Guidance	Template [RTF]	
Joint Fire Science Program		Template [RTF]	
National Institutes of Health	Guidance	Template [RTF]	
National Oceanic and Atmospheric Administration	Procedural Directive	Template [RTF]	
NEH-ODH: Office of Digital Humanities	Guidelines	NEH-ODH Sample	Template [RTF] 
NSF - Mathematical Sciences	Advice to Pls		
NSF-AGS: Atmospheric and Geospace Sciences	AGS Advice	Template [RTF]	
NSF-AST: Astronomical Sciences	Advice to Pls	Template [RTF]	
NSF-BIO: Biological Sciences (2011-2012) (OBSOLETE--USE MORE RECENT VERSION)		NSF-BIO Sample 1 NSF-BIO Sample 2	
NSF-BIO: Biological Sciences (2013-)	Information	Template [RTF]	
NSF-CHE: Chemistry Division	Advice to Pls	Template [RTF]	
NSF-CISE: Computer and Information Science and Engineering	Advice to Pls	Template [RTF]	
NSF-DMR: Materials Research	Advice to Pls	Template [RTF]	
NSF-EAR: Earth Sciences	Guidelines	Template [RTF]	

Number of DMPs created by day, by funder, through Dec 2013



DMPTool use



Updates



Expanding Public Access to the Results of Federally Funded Research [Subscribe](#)

Posted by Michael Stebbins on February 22, 2013 at 12:04 PM EST



The Obama Administration is committed to the proposition that citizens deserve easy access to the results of scientific research their tax dollars have paid for. That's why, in a policy memorandum released today, OSTP Director John Holdren has directed Federal agencies with more than \$100M in R&D expenditures to develop plans to make the published results of federally funded research freely available to the public within one year of publication and requiring researchers to better account for and manage the digital data resulting from federally funded scientific research. OSTP has been looking into this issue for some time, soliciting broad public input on multiple occasions and convening an interagency working group to develop a policy. The final policy reflects substantial inputs from scientists and scientific organizations, publishers, members of Congress, and other



“Twiddle dee, Twiddle thumb” by Alex Erde - <http://flic.kr/p/4nCBqR> - Used under a CC-BY license

UK funder requirements for DMPs

Funder	Requirement (in grant applications unless otherwise stated)	Last update
AHRC	Technical plan	Dec 2012
BBSRC	Data Sharing Plan	Jun 2010
CRUK	Data Sharing Plan	Jan 2009
ESRC	Data Management and Sharing Plan	Sept 2010
EPSRC	Expect policies and plans to be in place, but not required in grant applications	May 2011
MRC	Data Management Plan	Sept 2011
NERC	Outline DMP in grant applications and Full DMP thereafter	Aug 2012
STFC	Data Management Plan	Sept 2011
Wellcome Trust	Data Sharing Plan	Nov 2011

www.dcc.ac.uk/resources/data-management-plans/funders-requirements

European funder requirements

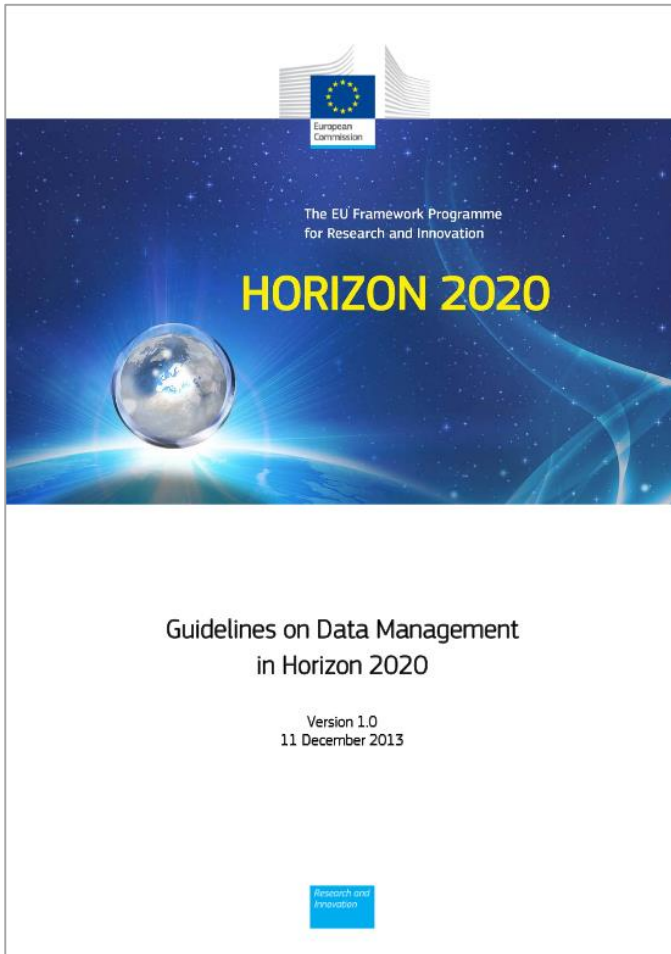


Slide from *Data sharing and reuse policies: a (brief) comparative overview from the Knowledge Exchange countries*

Overview

	GER	UK	DK	NL	FIN
Model	Highly decentralised	Decentralised	Shifting	Collaborative	Highly centralised
Primary driver	Calls, discipline	Funders, Government & innovation/transparency; infrastructure providers	Ministry, infrastructure providers	Funders, infrastructure providers	Ministry, infrastructure providers
Approach	Recommendations	Policy; infrastructure; funding	E-infrastructure	Funding policy, E-infrastructure	Full spectrum
National e-Infrastructure	no, only funding	yes, but some central, some at a local level	yes/in development	yes, federative	yes
Key initiatives	Alliance of Science org.	RDM programmes, EPSRC roadmap	RDM project	NWO policy	TTA project

EC Open Data Pilot



- Participants in the open data pilot will be required to develop a DMP, in which they will specify what data will be open.
- The DMP is not a fixed document, but evolves during the lifespan of the project.
 - Initial plan within 6 months
 - Updated plan at mid-term and final review (or whenever data changes)
- DMP should address the points on a dataset by dataset basis

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

DMPs in Horizon 2020

- Initial DMP

- Data set reference and name
- Data set description
- Standards and metadata
- Data sharing
- Archiving and preservation (including storage and backup)

- Secondary DMP(s)

Scientific Research Data should be:

1. Discoverable
2. Accessible
3. Assessable and intelligible
4. Usable beyond the original purpose for which it was collected
5. Interoperable to specific quality standards

Horizon 2020 template in DMPonline

Create a new plan

Please select from the following drop-downs so we can determine what questions and guidance should be displayed in your plan.

If applying for funding, select your research funder.

European Commission (Horizon 2020)

Otherwise leave blank.

[Not applicable/not listed.](#)

My project (Horizon 2020 DMP)

No questions have been answered

Plan details

Initial DMP (within first 6 months)

Mid-term Review DMP

Final review DMP

Share

Export

Scientific research data should be easily: 1. Discoverable (1 question, 0 answered)

+

2. Accessible (1 question, 0 answered)

+

3. Assessable and intelligible (1 question, 0 answered)

+

4. Usable beyond the original purpose for which it was collected (1 question, 0 answered)

+

5. Interoperable to specific quality standards (1 question, 0 answered)

-

Are the data and associated software produced and/or used in the project interoperable allowing data exchange between researchers, institutions, organisations, countries, etc?

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Paragraph

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EC Guidance

e.g. adhering to standards for data annotation, data exchange, compliant with available software applications, and allowing re-combinations with different datasets from different origins