

## 2<sup>nd</sup> Data Management and Curation Working Group (DMCWG) DMP Training Workshop

### What is a Data Management Plan (DMP)?

**Course Instructor:** Plato L. Smith II, Ph.D. (Chair) and David VanKleeck (Co-Chair)

**Course Duration:** 90 minutes (Thursday, October 24, 2016, 11:30 am – 1:00 pm)

**Course Location:** UF Informatics Institute, Lecture Room

**Audience:** Anyone interested in and/or responsible for creating, producing, and managing data

**Pre-requisite knowledge:** Participants must have at least basic IT skills

- *Bring your thoughts for an actual grant proposal research project idea, current or future*
- *Bring your tablet, laptop for hands-on portion or join your fellow participants for collaborative group work in developing and sharing a data management plan (DMP)*

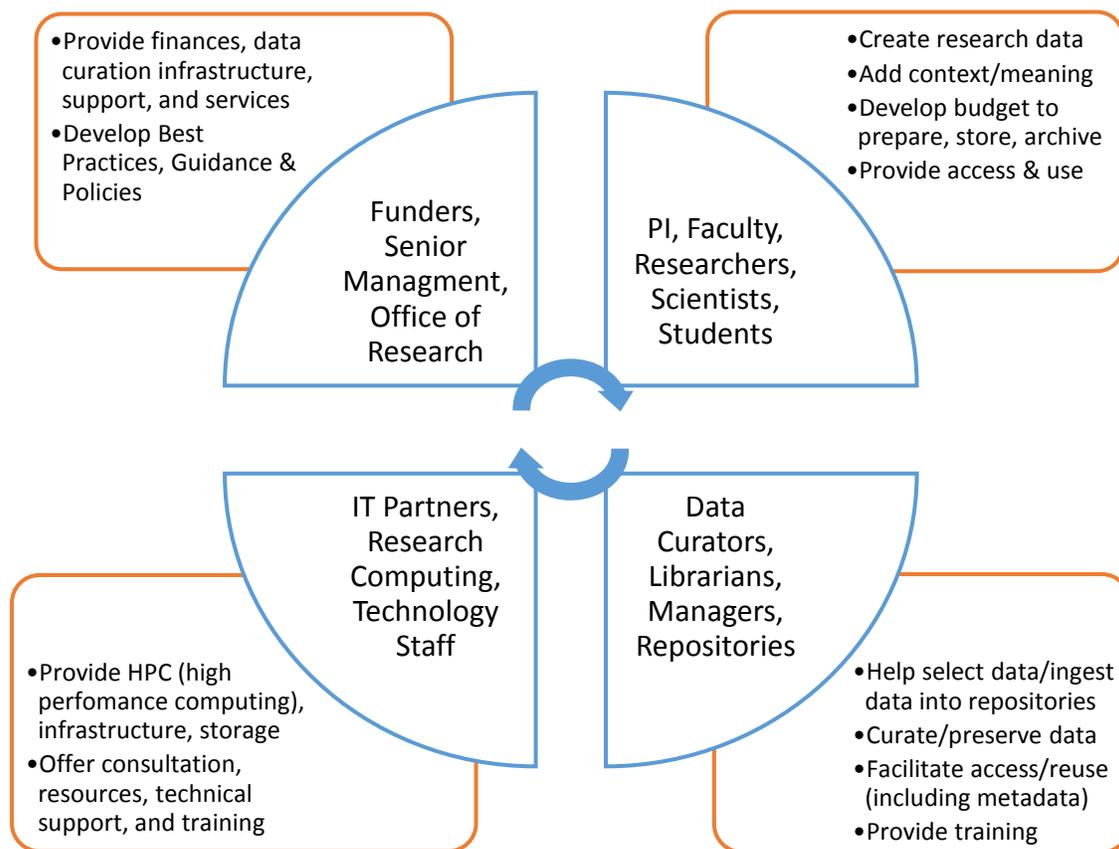
**Course summary:** Increasingly, researchers are required to develop data management plans detailing the aggregation, dissemination, and preservation of their research. This is particularly true for federally-funded research. The funding, managing, and sharing of research data involve multiple stakeholders throughout the data lifecycle. This training workshop will introduce the participants to (1) key stakeholders responsible for effective data management, (2) key components of a data management plan, (3) key data lifecycle processes involved in a data management plan, (4) some UF infrastructure and resources to include in a data management plan, and (5) the DMPTool that allows participants to develop a data management plan. If you have any questions and/or request additional information, then please contact the Chair or Co-Chair of the DMCWG via [datamgmt-1@lists.ufl.edu](mailto:datamgmt-1@lists.ufl.edu).

### References:

- ANDS. (2016) Australia National Data Service. Data Management. Accessed October 11, 2016 from <http://www.ands.org.au/working-with-data/data-management>.
- DCC. (2013). Checklist for a Data Management Plan. V.4.0. Edinburgh: Digital Curation Centre. Available online: <http://www.dcc.ac.uk/resources/data-management-plans>
- DMPTool. (2016). Data Management Planning tool. Accessed October 11, 2016 from <https://dmptool.org/>.
- re3data. (2016) Registry of Research Data Repositories. Accessed October 11, 2016 from <http://www.re3data.org/>.
- UF Libraries. (2016). Research Data Management at UF [LibGuide](#).
- USGS. (2013). USGS Data Management. Data Lifecycle Overview. Accessed October 11, 2016 from <https://www2.usgs.gov/datamanagement/why-dm/lifecycleoverview.php>.
- Zenodo. (2016). Accessed October 11, 2016 from <https://zenodo.org/>

**Data Management Planning:**

Data management plans (e.g. [NSF](#), [NOAA](#)<sup>1</sup>, [NIH](#)) explicitly describe how data is created, processed, preserved, and shared during the data lifecycle and beyond research funding lifecycle. The [DCC Checklist for a Data Management Plan](#), v4.0 is a good resource for addressing key components of a data management plan but refer to the funding agencies’ program-specific data management and data sharing guidelines, if applicable. The development of a supported and sustainable University-wide and/or facility-wide (e.g. [NHMFL](#)) data management policy requires the (1) identification of stakeholders, (2) discussion of stakeholders’ interest in the management of university’s [data assets](#), and (3) collaboration of stakeholders’ partnerships in the active management of data throughout its lifecycle and usefulness to research and scholarly economies.

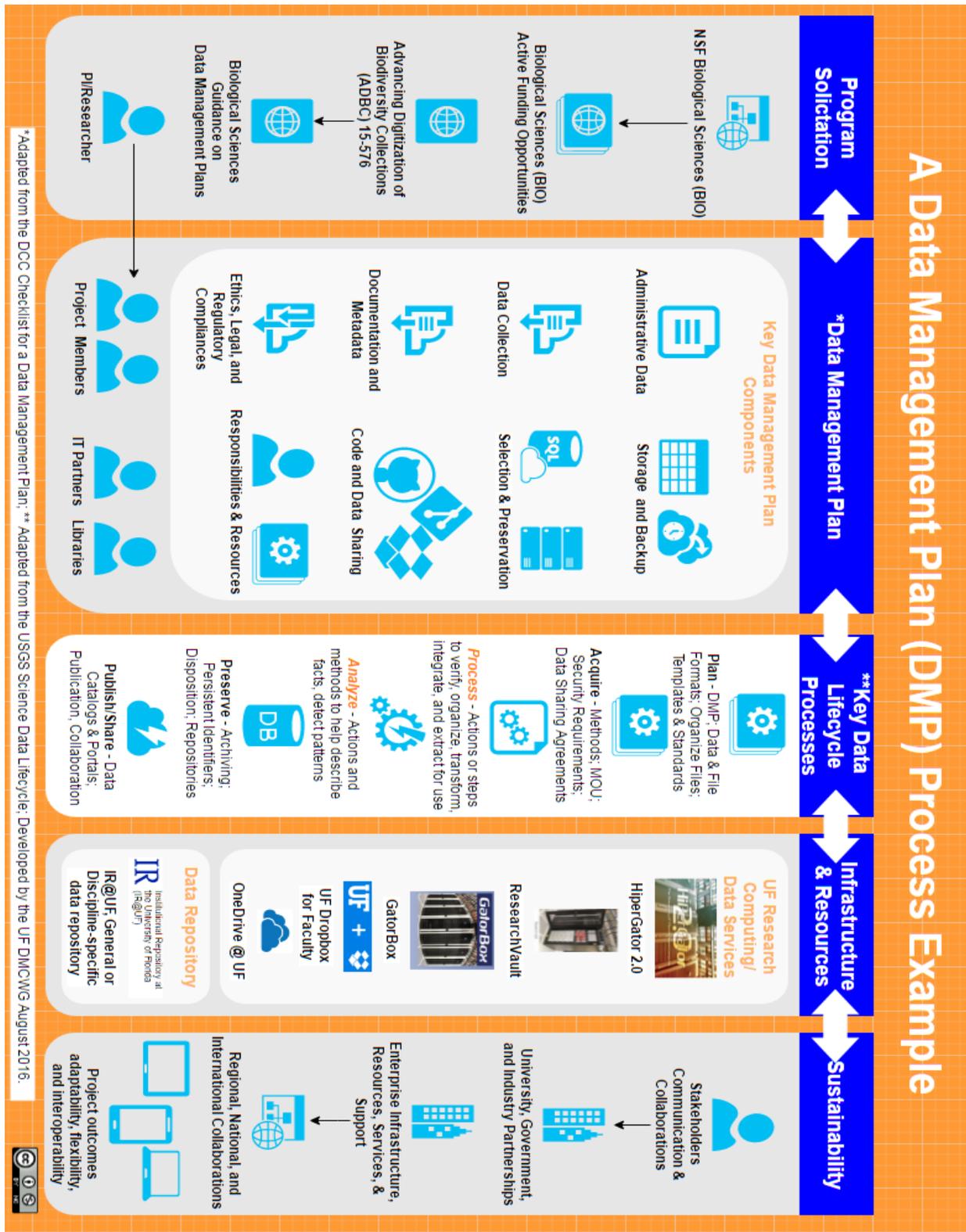


**Figure 1: Stakeholders’ roles aligned with Data Curation Lifecycle Responsibilities<sup>2</sup>**

Figure 1 is an example of some key stakeholders and their overlapping roles in the curation, management, and planning of research data during its lifecycle. In order to ensure compliance with evolving funding agencies data sharing requirements, stakeholders must collaborate, communicate, and aggregate best practices, guidelines, and recommendations across domains.

<sup>1</sup> NOAA. (2016). NOAA Data Management Plans Repository. Accessed October 11, 2016 from [https://geo-ide.noaa.gov/wiki/index.php?title=Category:Data\\_Management\\_Plans](https://geo-ide.noaa.gov/wiki/index.php?title=Category:Data_Management_Plans).

<sup>2</sup> JISC, University of Glasgow – HATII, & DCC. (2009). [DAF Implementation Guide](#), p. 3. (Adapted)



\*Adapted from the DCC Checklist for a Data Management Plan; \*\* Adapted from the USGS Science Data Lifecycle; Developed by the UF DMCWG August 2016.



Figure 2: A Data Management Plan (DMP) Process Example