



Collaboration or Imposition: Developing a Data Management Plan at the University of Otago

Co-authors:
Jane Khan & Shiobhan Smith
University of Otago
Dunedin, New Zealand

Presenter:
Shiobhan Smith

Key Acronyms

- CSAFE = Centre for Sustainability: Agriculture, Food, Energy & Environment
- DMP = Data Management Plan
- OUR Drive = Otago University Records Drive
- DIAS...

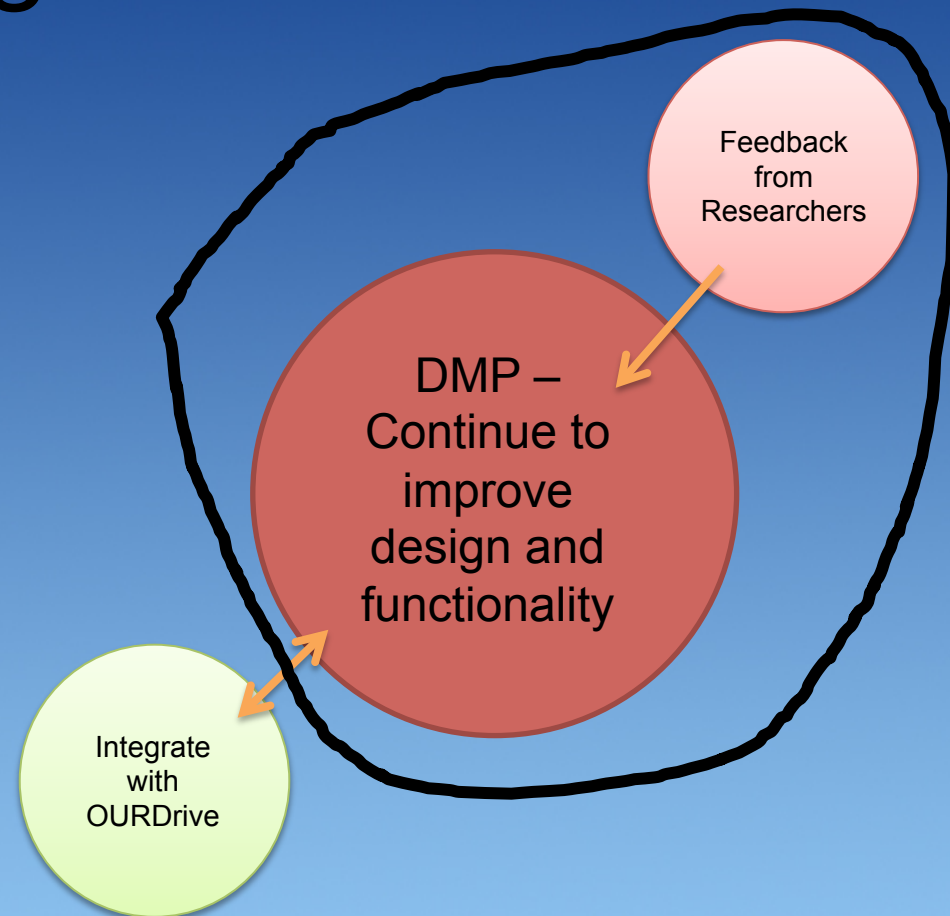
What is the DIAS Project?

Data Management Plan

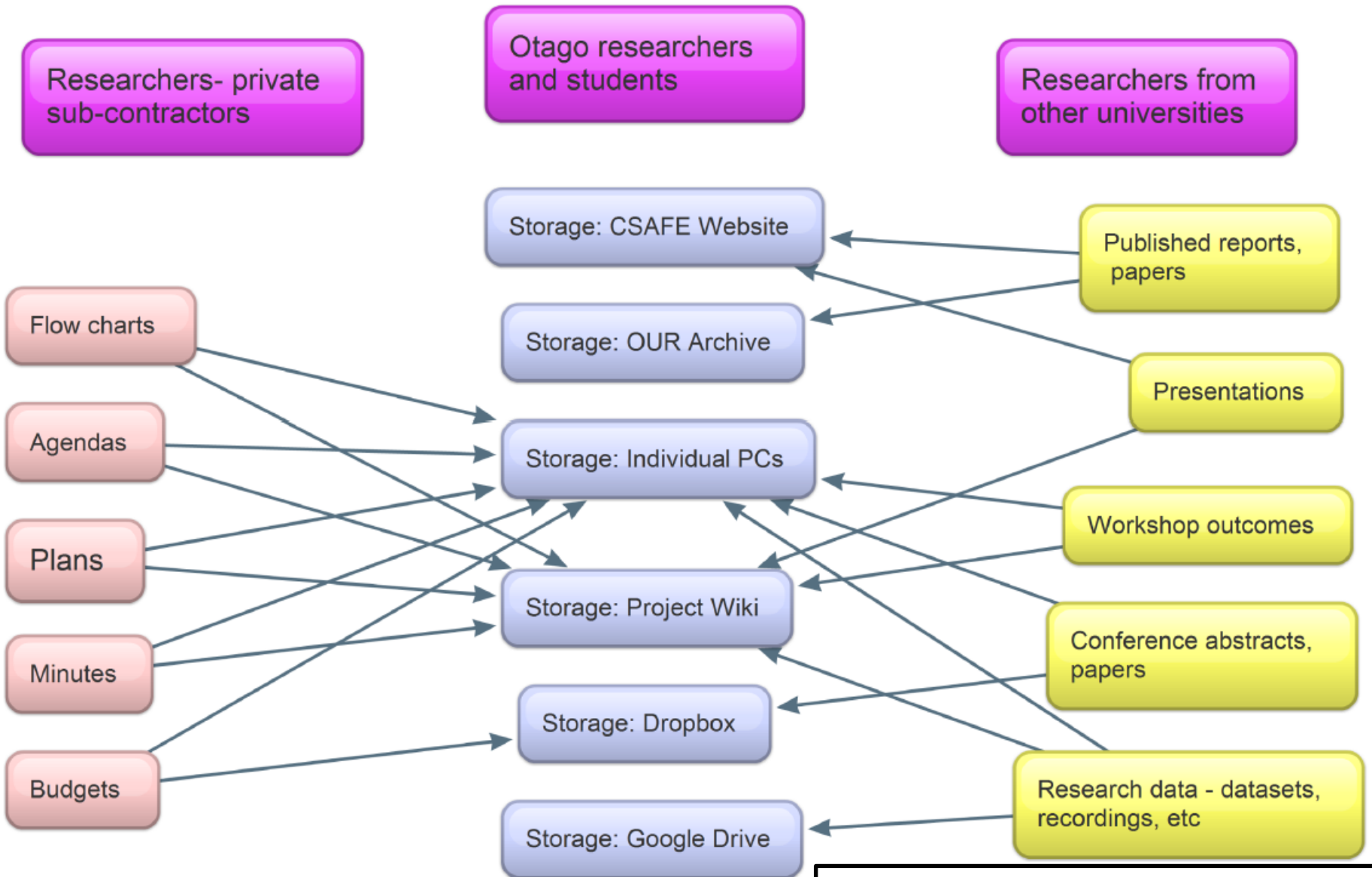
Integrated

As a

Service

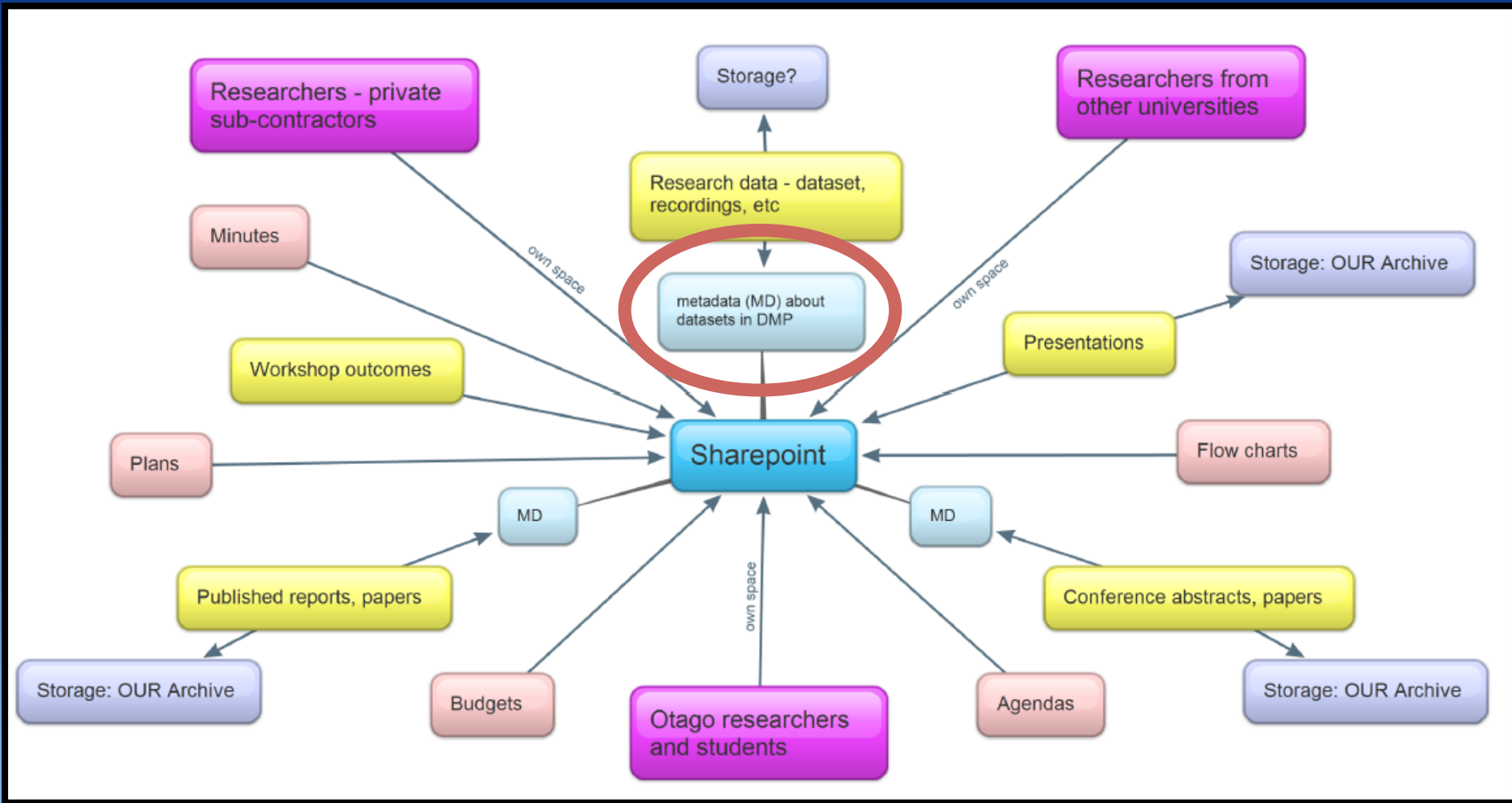


Problem

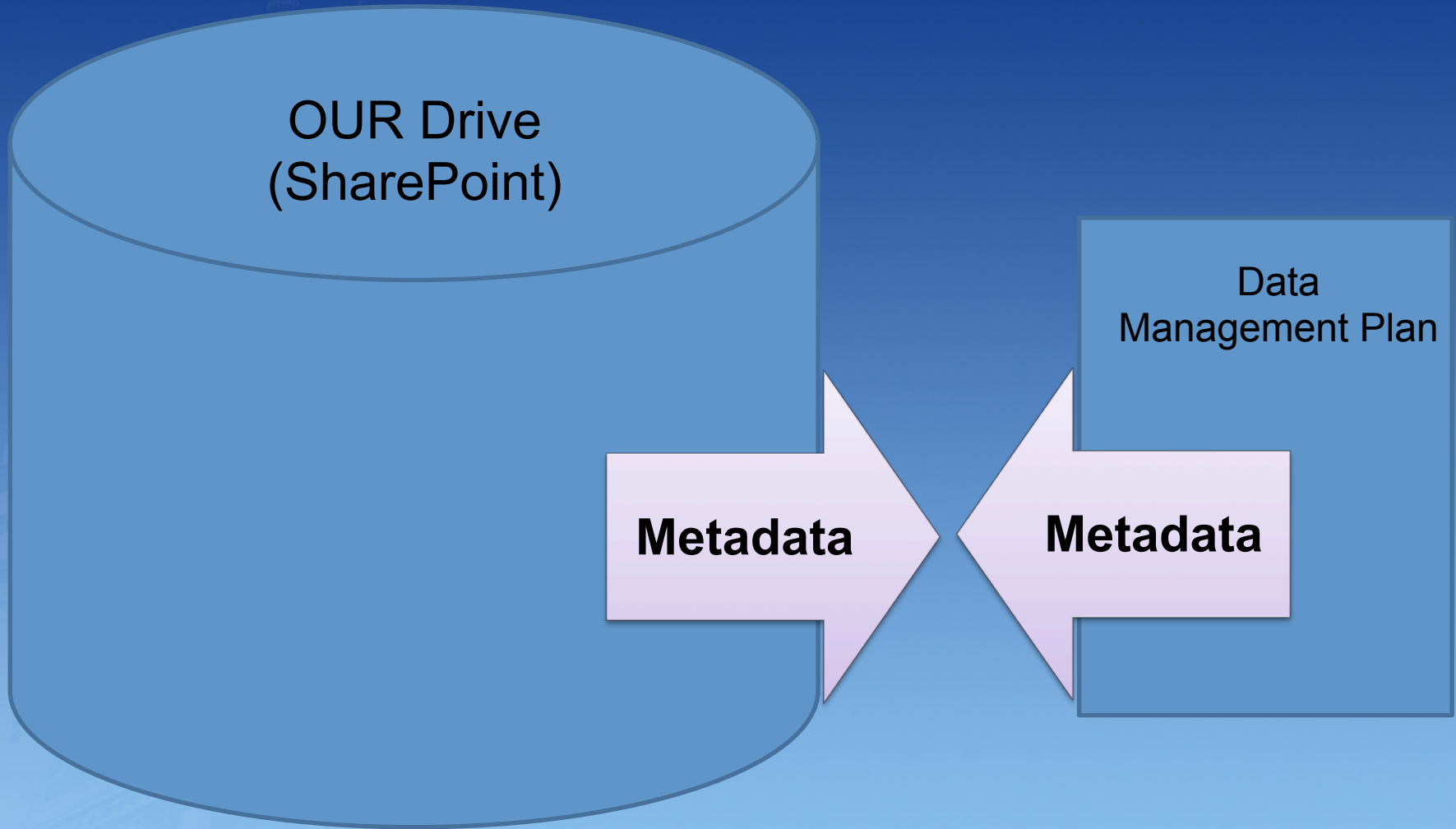


Mind map designed by Gillian Elliot

Solution

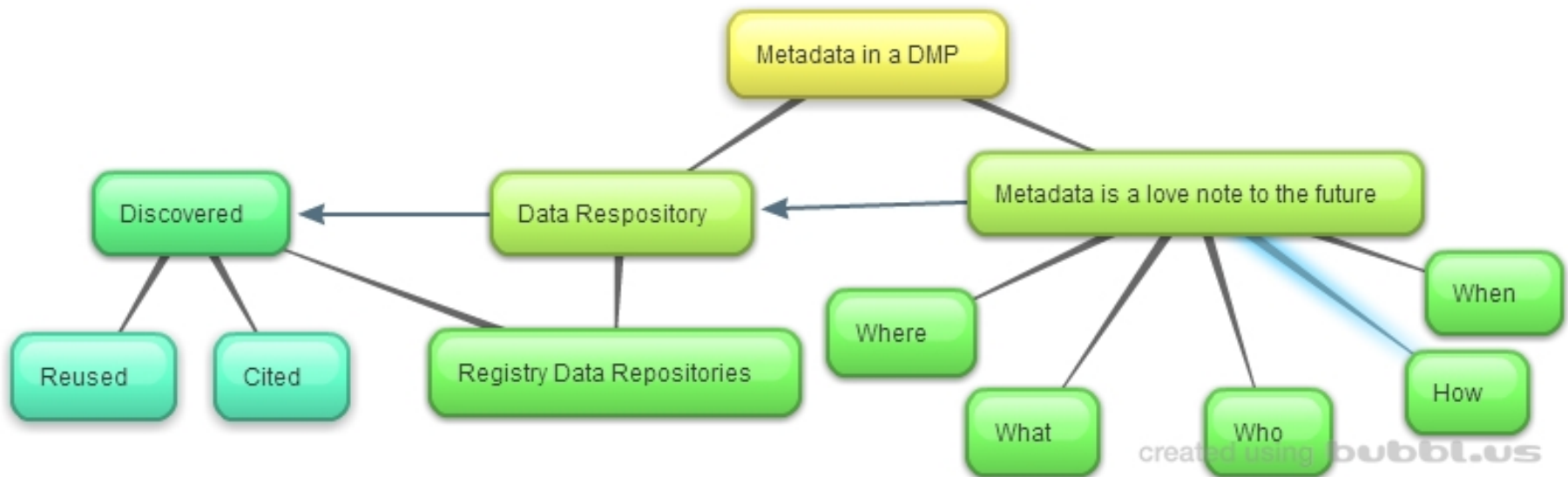


Integration with DMP



Why a plan helps

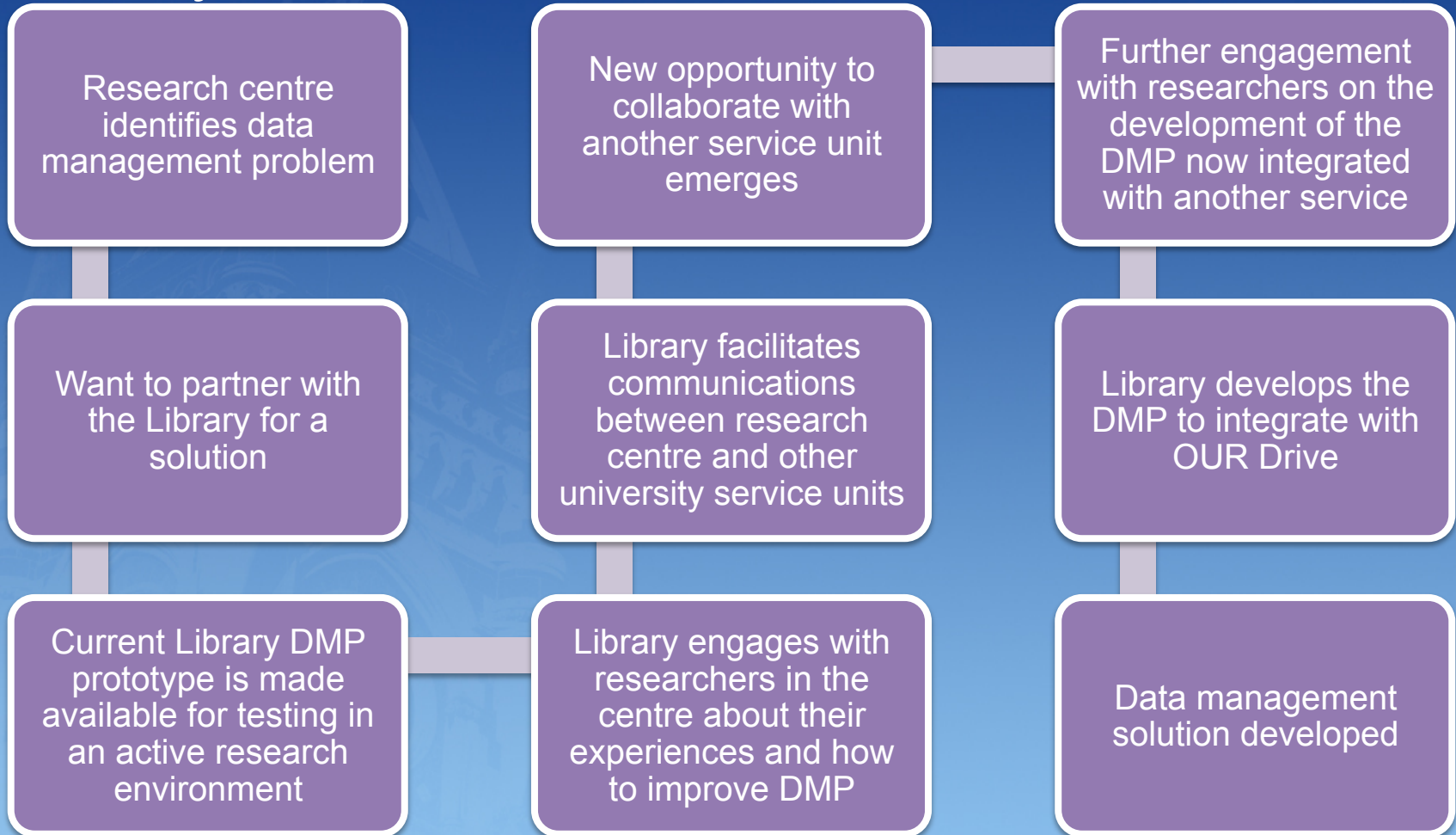
“Making a plan helps you to save time and effort and makes the research process easier. By considering what data will be created and how, you can check you have the necessary support in place. Planning also enables you to make sound decisions, bearing in mind the wider context and consequences of different options.” (Jones, 2011)



“Metadata is a love note to the future” Jason Scott (Testfiles.com & Internet Archive)

Collaboration or Imposition?

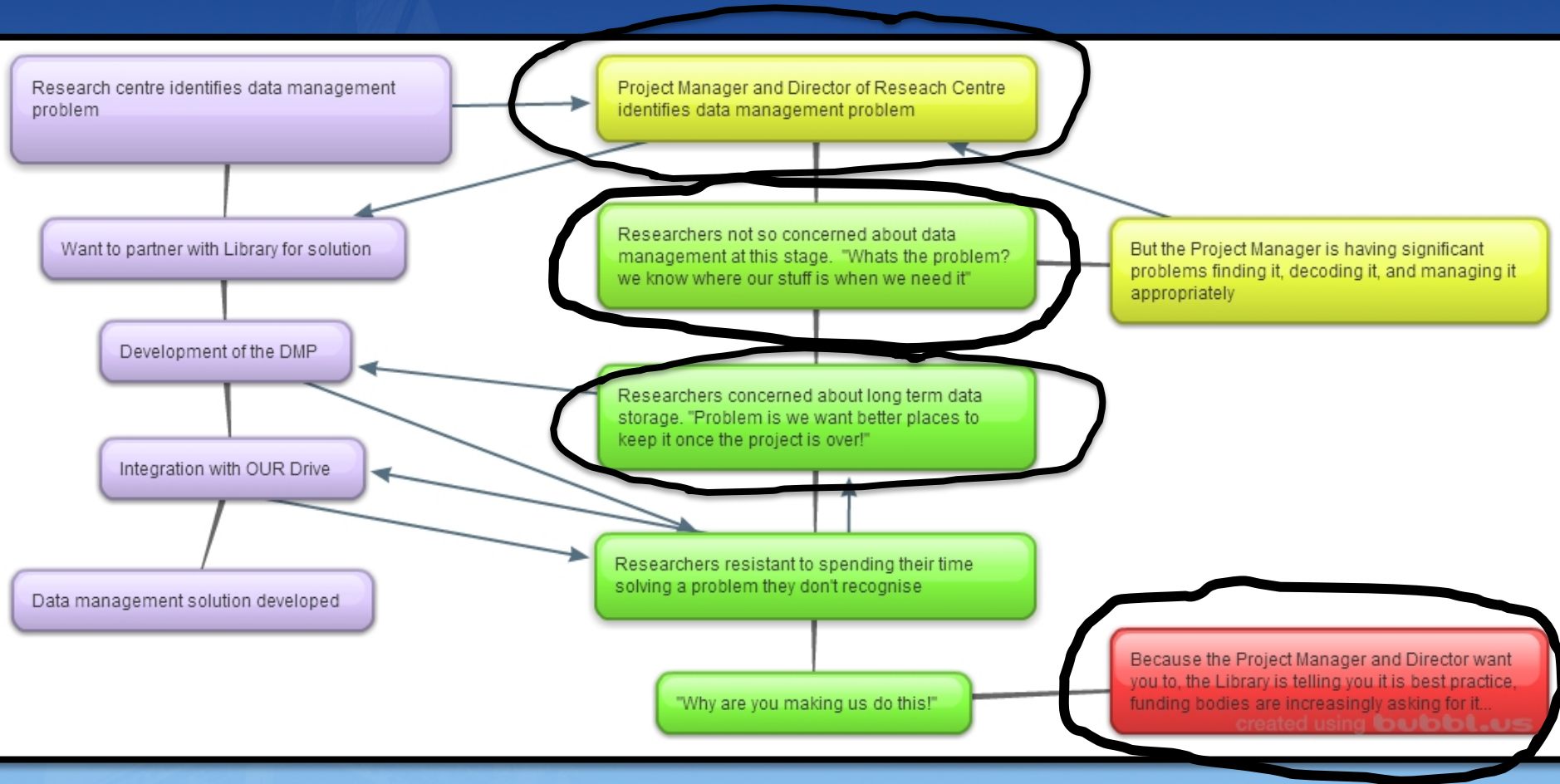
- Collaboration = United labour, co-operation; *esp.* in literary, artistic, or scientific work¹.



¹ "collaboration, n." *OED Online*. Oxford University Press, December 2015. Web. 24 January 2016.

Collaboration or Imposition?

- Imposition = A command, charge, or ordinance imposed or laid upon one².

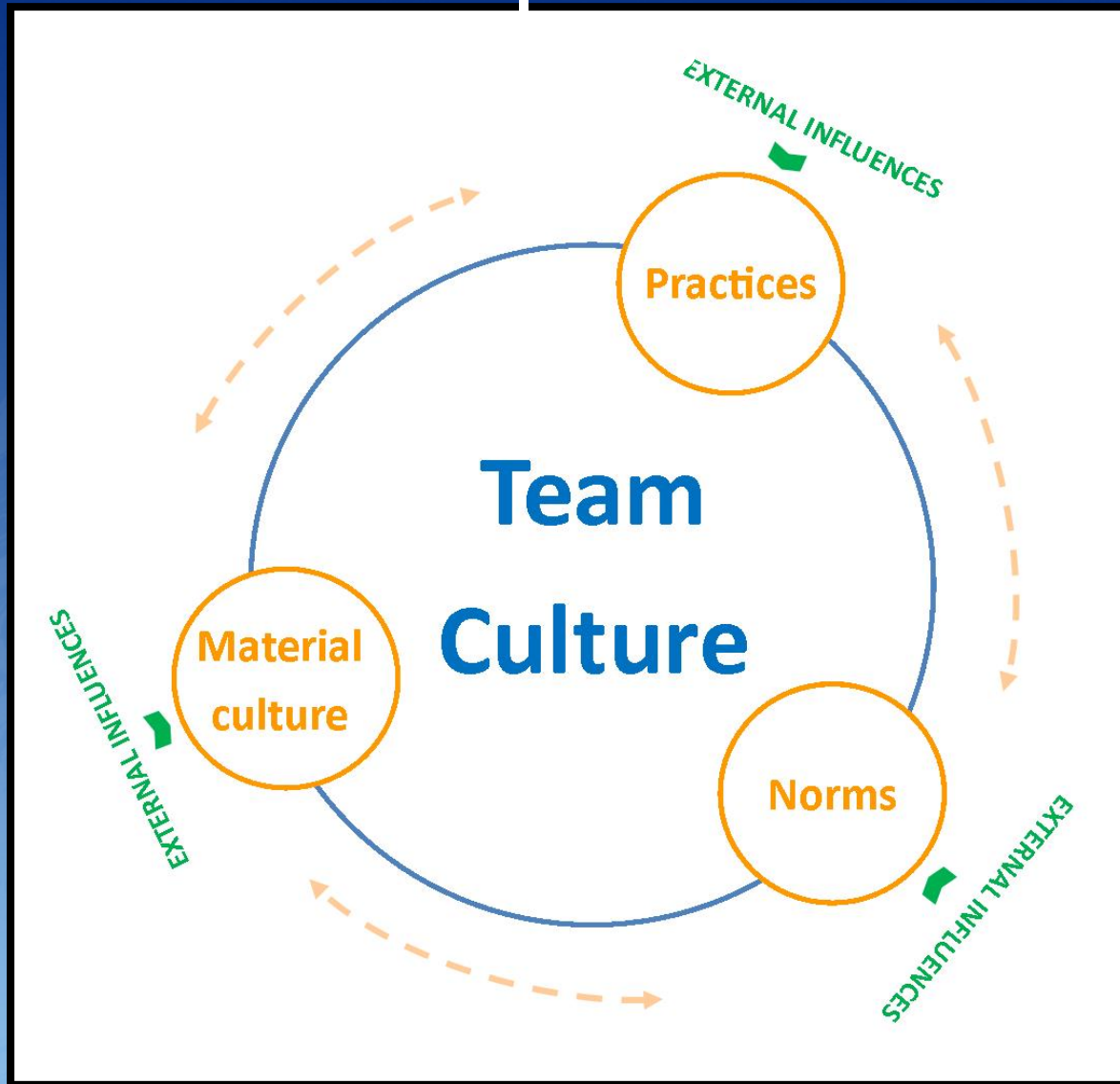


² "imposition, n." OED Online. Oxford University Press, December 2015. Web. 24 January 2016.

A complex environment of Champions, Fence sitters & Unbelievers



Energy Cultures Framework as a



Energy Cultures model modified with permission from Dr Janet Stephenson

From imposition to collaboration

- **Shift communication practices**
 - To engage the fence sitters and unbelievers we had to get into their world
 - Researchers listen to other researchers and we could leverage off that
 - If they want to talk about storage then we need to talk about storage
- **Middleware agents** (Wang, 2013)
 - Librarian and Project Manager working together to bridge the different cultures

Some quick key takeaways that influenced design

- Enter metadata once, use multiple times (aka the less typing the better)

The screenshot shows a web form for creating a Data Management Plan. The form is titled "Data Management Plan" and is associated with the University of Otago. The user is identified as "Shiobhan Smith". The form includes several input fields and a modal dialog box.

Project Title ⓘ
New

Project on OUR Drive? ⓘ
 Yes
 No

Principal Investigator ⓘ
Shiobhan Smith [odosh01p]

Start date ⓘ
[Calendar icon]

End date ⓘ
[Calendar icon]

Project Description ⓘ
[Text area]

Modal Dialog:
dmp-test.otago.ac.nz says:
OUR Drive ID
RPC0001
OK Cancel

- Single project but multiple datasets
 - Different access restrictions, different formats etc.



Data Management Plan

Projects

Title	Principal Investigator	Start Date	Datasets	Action
Dance therapy	Shiobhan Smith [odosh01p]	June 1, 2014	2	Remove
Dyslexia and dance	Shiobhan Smith [odosh01p]	May 1, 2015	1	Remove
Teaching dance to children with specific learning differences	Shiobhan Smith [odosh01p]	Sept. 1, 2015	4	Remove

[+ New project](#)

- Single project but multiple datasets
 - Different access restrictions, different formats

Dataset Title ⓘ

Dataset id ⓘ

Owner ⓘ

Creator ⓘ

Creator id ⓘ

Description ⓘ

Start date ⓘ

Shiobhan Smith My projects New project Logout

Datasets

Observational notes	Remove
Survey data	Remove
Interview Sound files	Remove
Interview transcripts	Remove

Add a new dataset

Project Members

shiobhan.smith@otago.ac.nz [Principal]

Add a new member

- Project managers/administrators may be the long term data owner

Owner 

admin [admin98p] 

Creator id 

Description 

- DMP or RDR?
 - Don't make it more than it has to be

Format ⓘ

Keywords ⓘ

Citations ⓘ

Host department ⓘ

Location ⓘ

Number of files ⓘ

Space ⓘ

The elephant in the room

- Out of Scope
- Realised that unless we talked about it, researchers would not engage with the DMP
- Researcher concerns became a starting point for new conversations with other service units



Reflection: The Project Manager

- Was the Project Manager a lead user?
 - Recognised the need for a DMP before the researchers they supported did
 - Explanation of needs, and sharing of current practice, vital to DMP development
 - Expected significant benefit from the DMP
- Felt empowered by the project
 - Was good to have researchers acknowledge that there was a problem
 - A contribution that would benefit more than just herself and the research centre

Reflection: The Subject Librarian

- **New liaison model of librarianship** (Jaguszewski & Williams, 2013)
 - Focus on the whole lifecycle of the research process
 - Hybrid model pairing librarian with functional specialists
 - Key role of team builder, facilitator of a community of practice
 - Seeking to enhance scholarly productivity

We agree with the literature

- Librarians need to understand the day to day working contexts of researchers (Corrall & Lester, 2013)
- Active participation of major stakeholders is critical to the success of establishing a data management service (Dora & Kumar, 2015)
- Build a community of potential partners and foster those relationships (Coates, 2015)

The end or the beginning?



The Library Development Team

- Gillian Elliot
 - *Research Services Librarian*
- Emmanuel (Manu) Delaborde
 - *Team Leader, Digital Services*
- Michel de Lange
 - *Developer, Digital Services*

Image acknowledgements

- Slide 7
 - Champions:
“Kansas Jayhawks 2008 NCAA Basketball National Champions--Street Party” by Mircea CC-BY flickr.com
 - Fence sitters
“On the fence” by Craig Sunter CC-BY-ND flickr.com
 - Unbelievers
“No...” by aNdrzej cH. CC-BY flickr.com
- Slide 8
 - Energy Cultures Framework:
<http://energycultures.org/our-work/energy-cultures-framework/>
- Slide 10
 - “Afterwards Tom and Eric weren't exactly sure at which point during their discussion the elephant had entered the room” by David Blackwell. CC-BY-ND flickr.com
- Slide 17
 - “The Beginning is near” by B Hartford J Strong CC-BY flickr.com

References

- Coates, H. L. (2015). Building Data Services From the Ground Up: Strategies and Resources. *Journal of eScience Librarianship*, 3(1), 5.
- Corrall, S., & Lester, R. (2013). The researcher's view: Context is critical. In L. Watson (Ed.), *Better library and learning spaces: Projects, trends and ideas* (pp. 183-192). London: Facet Publishing.
- Dora, M., & Kumar, H. A. (March 2015). *Managing research data in academic institutions: Role of libraries*. Paper presented at the CALIBER, Shimla, India. <http://hdl.handle.net/10760/24911>
- Jaguszewski, J., & Williams, K. (2013). *New roles for new times: Transforming liaison roles in research libraries*. Retrieved from <http://hdl.handle.net/11299/169867>
- Jones, S. (2011). *How to Develop a Data Management and Sharing Plan*. DCC How-to Guides. Edinburgh: Digital Curation Centre. Retrieved from <http://www.dcc.ac.uk/resources/how-guides>
- Segal, J., & Morris, C. (2011). Developing software for a scientific community: some challenges and solutions. *Handbook of Research on Computational Science and Engineering: Theory and Practice*, 177-196.
- Stephenson, J., Barton, B., Carrington, G., Gnoth, D., Lawson, R., & Thorsnes, P. (2010). Energy cultures: A framework for understanding energy behaviours. *Energy policy*, 38(10), 6120-6129.
- Urban, G. L., & Von Hippel, E. (1988). Lead user analyses for the development of new industrial products. *Management science*, 34(5), 569-582.
- Wang, M. (April 10-13, 2013). *Academic Library, e-Science/e-Research, and Data Services in a Broader Context*. Paper presented at the ACRL 2013 Conference, Indianapolis, Indiana. http://www.ala.org/acrl/sites/ala.org.acrl/files/content/conferences/confsandpreconfs/2013/papers/Wang_AcademicLibrary.pdf