Use cases for Exposing DMPs - Plenary discussion

Actors	Use case	User stories	Goals	Services
Researcher, Institution, Funder, Service provider	**Evolution:** Evolving record of output mgmt intentions and actions	**Researcher** As a research project lead investigator or data owner/steward I want to authorise roles and permissions of research team members who create, edit and access the DMP so that the content of the DMP is accurately recorded and the integrity of the information is protected#52 (out of scope for DMP CS WG) ?? As a researcher I want to transfer my data management plan to other institutions so that I can continue my work when I move to another institution#38 (out of scope for DMP CS WG) As a researcher, I want to record information about my DMP such that an Ethics Committee can review this for compliance with ethical standards.#86 (accepted by DMP CS WG) As a new member of a research project team I want to understand agreed protocols and strategies for collecting, managing and analysing the project's data so that my contribution to the project will be consistent with existing practice#50 (ignore/reject for DMP CS WG) As a stakeholder I want to know when the data management plan was created or updated so that I know how up-to-date the plan is or whether it needs to be updated#8 (accepted by DMP CS WG) As a researcher, I want to indicate where my data will be stored during the project and where after the project, so that it remains accessible during all stages of the data lifecycle.#60 (accepted by DMP CS WG)	Better management of project outputs and associated risks; Establish current status of project information; learn from DMPs from similar contexts	DMP platform, Active data mgmt platform, CRIS
Researcher, Institution, Repository,	**Notification**: Seek support and notify services	**Researcher** As a researcher I want to have our IT department fill the information of the standard processes in the organisation in my DMP in order to save me	More efficient, effective and policy compliant service deployment, by	DMP platform, Active data mgmt. Repository

Service provider		time.#40 (out of scope for DMP CS WG) ??	notifying interested peers and services about DMP element of mutual interest, get recommendations and pre-filled metadata.	
		As a researcher, I would like to see the sections on costing and on roles and responsibilities submitted by other researchers in my department to see if we could share data manager posts.#46 (accepted by DMP CS WG)		
		Institution (service provider) As an IT developer, I want to help researchers leverage content from the DMP for use in authoring project and data metadata#104 (out of scope for DMP CS WG)		
		As a computer technician, I want to receive notification once a DMP is created by a member of my institution so that I can provide advice and assistance.#97 (out of scope for DMP CS WG)		
		As an IT developer, I want to leverage content from a DMP for use in other systems, such as project management#105 (out of scope for DMP CS WG)		
		As a data librarian, I want to extract pointers (from the DMP) to metadata held in other systems, so that I can import this metadata into a data catalog.#89 (accepted by DMP CS WG)		
		As a data librarian, I want to get notification once a DMP is created so that I can provide assistance and advice.#96 (out of scope for DMP CS WG)		
		As institutional data steward I want to be able to extract the data sets that are submitted to external repositories in order to add them to an institutional data catalogue.#39 (accepted by DMP CS WG)		
		Service provider (external) As an archive I want to reuse the information regarding file format so that I can apply automated check for the file validation.#99 (accepted by DMP CS WG)		

Researcher, Institution, Funder, Service provide	**Integration:** Integrate DMP in research workflows	**Institution** As a Research Centre Director or Postgraduate Convenor I want regular summary reports of research data (size, type, provenance, classification) so that I understand trends in data use and research practice among staff and postgraduate students#54 (accepted by DMP CS WG) As research evaluation manager I want to ensure all data are quoted correctly with our affiliation so they are counted towards our citation counts.#88 (accepted by DMP CS WG) **Researcher** As a researcher I want to record and link research publications in the institutional repository or CRIS with DMP records so that I can generate reports of research output resulting from a project#55 (accepted by DMP CS WG) As a researcher I want the DMP to prepopulate information that I have already entered in other institutional systems (ethics, research equipment etc.) so that I do not have to re-enter information and that the DMP contains accurate and standardised information#51 (accepted by DMP CS WG) ?? As a service provider, I want to leverage content from a DMP for use in other systems, such as project management **[based on #105** out of scope DMP CS WG)	Reuse captured information by management tools: time saving, integrity, quality, efficiency in tracking research outputs and impacts	DMP platform, active data mgmt, CRIS/ grants systems
Researcher, Institution, Service provider, Repository, Funder	**Publication:** Publish DMP	As a stakeholder I want to have links/references to the project website/proposal so that I can lookup further general information#10 (accepted by DMP CS WG) As a researcher, I want to extract of the description of the data collected so that I can reuse it for the writing of a data paper.#90 (accepted by DMP CS WG) As a researcher I want to learn from examples of DMPs relevant to my domain [new] As a journal editor I want to publish articles that cite DMPs as evidence of	Additional citable output, visibility, good practice, replicability, reproducibility	Submit to journal or repository

		the implementation of data management plans [new] As a funder I want to ensure that studies I fund use DMPs to provide contextual information that helps others reproduce or replicate the results [new]		
Researcher, Institution Repository, Institution, Service provider	**Deposition:** Submit DMP to a repository or registry	**Institution (service provider)** As a data librarian, I want to enable the deposit of DMP in a repository so as to preserve and share it.#95 (out of scope for DMP CS WG) As a repository manager, I need details on the type of data, to check if the archiving can be arranged.#67 (accepted by DMP CS WG) As a repository manager, I need to know about anonymization status of data.#70 (accepted by DMP CS WG) As a data manager I want references to documentation of the data and its creation process so that the data can be re-used and managed#25 (accepted by DMP CS WG) As a data manager I want to document all rights necessary for managing the data so that we can curate and preserve the data#31 (accepted by DMP CS WG) As a data manager I want to know which information/metadata is necessary to re-use the data so that it can be checked whether all necessary information/metadata is available for researchers interested in re-using the data#24 (accepted by DMP CS WG) As a data manager I want to know what the (intellectual) content of the data is so that I can check whether the necessary expertise for maintaining intellectual reusability is available#11 (accepted by DMP CS WG) As a data manager I want to know which formats are used so that I know what technology or background information might be necessary to (re-)use the data#21 (accepted by DMP CS WG)	Preservation planning and Reus	Via DMP platform or CRIS

		As a data manager I want to clarify the necessary rights for re-using the data so that it is legal to reuse the data#30 (accepted by DMP CS WG) As a legal officer, I want to know about data sensitivity, to establish sharing options.#61 (accepted by DMP CS WG) ?? As a repository owner I would like to be able to check the planned provenance of the data that will be submitted at the end of a project in order to check whether it belongs to our target group and in order to calculate necessary submission fees.#43 accepted by DMP CS WG As a funder I want to facilitate access to DMPs that demonstrate good data management practice [new] **External service provider (could also be internal archive)** As an archive manager, I want to know in advance the conservation period of data so that I can better organize the service and adapt the preservation actions.#101 (accepted by DMP CS WG) As an archive manager, I want to make sure that detailed metadata are associated to data so that it will be understandable by future users.#103 (accepted by DMP CS WG)		
Repository, Institution, Service provider	**Estimation:** Mine individual or collected plans for requirements planning	**Institution** As a data manager I want to plan data transfers and transfer of responsibilities so that data management is not jeopardized by unclear responsibilities#34 (out of scope for DMP CS WG) As a data manager, I want to ensure the researcher has thought through their data requirements during the planning phase.#107 (out of scope for DMP CS WG) ?? As a data manager I want to know how the data is used so that I can develop more detailed usage and support scenarios with researchers#16 (accepted by DMP CS WG) As a data manger/IT staff I want to know which kind of data types will be	Capacity planning and demand estimation	CRIS/ repository

| | | produced or collected so that I can ensure that the necessary technical resources and technical know-how is available#13 (accepted by DMP CS WG)

As a data manger/IT staff I want to know which kind of data types will be produced or collected so that I can determine what basic support services/functionalities are required#12 (accepted by DMP CS WG)

As an IT manager, I want to know about IT resource requirements early in the project lifecycle to enable resource acquisition planning.#109 (accepted by DMP CS WG)

As IT staff I want to know the security requirements of the data so that I know which kind of security measures to apply#27 (accepted by DMP CS WG)

As IT staff I want to have an estimate of the produced data volume so that I can plan the overall storage consumption#5 (accepted by DMP CS WG)

As IT staff I want to know how the data is used so that I can determine what kind of basic services/functionalities are required#15 (accepted by DMP CS WG)

As IT staff want to know with which software/technology the data is produced or used so that I can determine what kind of technical services/functionalities are required#20 (accepted by DMP CS WG)

As a repository operator, I want to know the kind of data to evaluate the storage size and system.#62 (accepted by DMP CS WG)

As an archive, I want to get information about the volume of data to preserve at early stage so that I can provide the adequate storage infrastructure.#100 (accepted by DMP CS WG)

As a research support officer, I want to know what kind of support the PI/project lead is looking for/needs, so we can allocate manpower accordingly.#72 (out of scope for DMP CS WG) | | |

		As a rector, I need to know how many data will be stored to plan long term resources.#77 accepted by DMP CS WG		
Researcher, Institution, Funder	**Evaluation** Review DMP	**Institution** As the Director of Research Integrity I want researchers to classify research data according to the institutional Data Classification Standard so that they can align plans for managing and curating the data with requirements of the Standard #47 (out of scope for DMP CS WG) As the Director of Research Integrity I want to access reports containing details of research projects in which data are classified as sensitive or highly sensitive so that I can confirm that privacy, confidentiality and security protocols are applied to these data#48 (accepted by DMP CS WG) As an administrator I want to know who funded the project and their requirements so that I can track the funder specific obligations#7 (accepted by DMP CS WG) As an IT officer, I want to know how secure data is to ensure legal compliance.#82 (accepted by DMP CS WG) As a manager/administrator I want to check that all data has the appropriate security level and measures so that we can demonstrate compliance#28 (accepted by DMP CS WG) As a data manager I need to know whether the dmp was approved (e.g. by the management) so that I can proceed with the required next steps#37 (accepted by DMP CS WG) As a research support officer, I want to ensure compliance to the funders' rules to ensure all costs will be accepted.#84 (accepted by DMP CS WG) **Funder** As a funder, I want to know how secure data is to ensure legal compliance.#83 (accepted by DMP CS WG)	Monitor and review against institutional policy/funder requirements	Via DMP platform

		As a funder, I would like to be able to check all the repositories mentioned in a DMP in order to verify whether the project has followed our funding rules.#42 (accepted by DMP CS WG) **As a manager I want that researchers document that they searched for data already available for re-use so that the resources for data creation are used efficiently** #17 rejected by DMP CS WG As a journal editor or funder I want to ensure all research outputs are linked to provide a complete research record [new]		
Researcher, Institution, Funder	**Resourcing** Costing the planned data management activities	**Researcher** As a researcher, I need to know how many resources are need during the project to calculate costs.#71 (accepted by DMP CS WG) **Funder (DM costs)** As a funder I would like to be able to read the costs for data management from the DMP in order to check whether our policies work as intended.#44 (accepted by DMP CS WG) **Institution (DM costs)** As a manager I want to know about all resources and services used for the data so that I can estimate the true cost of the project#35 (accepted by DMP CS WG) **Data repository (DM cost)** As a repository owner I would like to be able to check the planned provenance of the data that will be submitted at the end of a project in order to check whether it belongs to our target group and in order to calculate necessary submission fees.#43 accepted by DMP CS WG	Better cost allocation for data management in planning phases	Via DMP platform