Appendix 2

The Metadata Well – User Stories

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1. Definitions and References

User stories were created as an early foundation for describing the Metadata Well. They primarily outline the basic functionalities desired from the perspective of both users and metadata description providers. Below are explanations of the terms used in the user stories:

Supplier: Provider of metadata descriptions.

User: Human or service (e.g., catalogue) that utilizes metadata descriptions from the Metadata Well.

Searcher: Supplier, data manager, and user with a need to search the Meta Well.

Data Manager: The entity responsible for maintaining the quality of the Metadata Repository, including one or more individuals working on its behalf.

Metadata Well (MW): Functionality within the Metadata Well.

IRI (Internationalized Resource Identifier): Identifiers for entities in the Metadata Well.

Bibliographic Entity: Work, Expression, Manifestation, or Item, as defined in the LRM (Library Reference Model).

Metadata Description: The comprehensive description of properties related to bibliographic entities and associated agents.

2. User Stories

2.1 Supplier

1. As a supplier, I want to be able to **create and update** metadata descriptions in the Metadata Well for published or future planned publications and receive the IRIs of all bibliographic and agent entities associated with the publications, so that I can fulfil my obligations as a metadata provider.

2. As a supplier, I want to **create** and **update metadata descriptions** in the Metadata Well by manually **editing** data within the well, so that I can fulfil my obligations as a metadata provider.

3. When manually editing metadata in the Metadata Well, I want to be able to look up and reference external authority files and vocabularies, so that my metadata descriptions are linked to IRIs representing relevant authorities.

4. As a supplier, I want to be able to publish metadata about new or existing entities in the Metadata Well on an agreed-upon delivery server that I manage. The data should be retrievable and importable into the Metadata Well, so that I can fulfil my obligations as a metadata provider.

5. As a supplier, I want to create and update metadata descriptions in the Metadata Well using a programming interface (API), so that I can fulfil my responsibilities as a metadata provider.

6. As a supplier, I want to create or propose new authorities in relevant authority files or vocabularies according to my rights, ensuring that they are assigned IRIs that can be referenced in metadata descriptions.

7. As a supplier, I want to be able to create new work entities that do not have expressions or manifestations in the Metadata Well, so that expressions and manifestations outside the Metadata Repository can reference to these entities.

2.2 Data Manager

8. As a data manager, I want automatic checks to determine whether the entities described in the submitted metadata already exist, so that the data can be linked to existing entities or new ones can be created if they don't exist.

9. As a data manager, I want the ability to manually update an existing metadata description in the Metadata Well, ensuring high-quality metadata descriptions are maintained.

10. As a data manager, I want to be able to create or propose new authorities in relevant authority files or vocabularies according to my rights, so that these can be included in metadata descriptions in the Metadata Well.

11. As a data manager, I want to perform bulk updates of metadata descriptions in the Metadata Well, maintaining high-quality descriptions efficiently.

12. As a data manager, I need access to effective search functions for data management, such as finding all different values for specific properties, identifying values that don't follow specified patterns, and detecting missing values, so that I can maintain data quality efficiently.

13. As a data manager, I want to retrieve and update metadata descriptions in the Metadata Well using a programming interface (API), ensuring efficient maintenance of high-quality metadata descriptions.

14. As a data manager, I aim to maintain a list of requirements for metadata descriptions, ensuring that the descriptions in the Metadata Well are always accurate and that the applicable standards are known.

15. As a data manager, I want to verify whether delivered data complies with established requirements, allowing for accurate creation or updates of metadata descriptions.

16. As a data manager, I want to provide an overview of changes in metadata descriptions so that users can access updated descriptions for their catalogues and services.

17. As a data manager, I want the ability to assign different roles and privileges to various suppliers based on their expertise, ensuring the quality of metadata descriptions is maintained.

18. As a data manager, I aim to include and maintain provenance information for the metadata, such as usage and update rights, ensuring secure data management.

19. As a data manager, I want control over who has access to create and update metadata descriptions, maintaining data quality.

20. As a data manager, I want to operate with various access and usage rights for the data in the Metadata Well, including rights related to specific parts of metadata descriptions or time-limited rights, ensuring legal compliance.

21. As a data manager, I need automated support for data management tasks, including task overviews, assignment of tasks to others, logging, and status reporting, enabling efficient and secure data management.

2.3 User (Libraries, Service)

22. As a user, I want to retrieve metadata descriptions for specific publications from the Metadata Well according to my rights, so that I always have up-to-date metadata in my catalogue or service.

23. As a user, I want my system to subscribe to changes made in metadata descriptions in the Metadata Well, allowing my system to update its own catalogue or service.

24. As a user, I want to be able to specify which properties ("fields") should be included in the metadata descriptions I retrieve from the Metadata Well, so that I can extract data tailored to my services.

25. As a user, I want to retrieve metadata descriptions in MARC 21 format, so that I can use them in my MARC-based library system.

26. As a user, I want to retrieve metadata descriptions as linked data, so that I can use them in services based on linked data.

27. As a user, I want to retrieve metadata descriptions via query languages that support linked data (such as SPARQL), so that I can extract data in a way that aligns with my services.

28. As a user, I want access to data via standard protocols used in the library sector (such as SRU and OAI-PMH), enabling data retrieval tailored to my services.

29. As a user, I want access to data via APIs, allowing me to retrieve data in a way that suits my services.

30. As a user, I want to retrieve information about external entities referenced by bibliographic data, such as associated works, agents, subjects, and genres, so that I can obtain comprehensive data customized for my services.

2.4 Search options

31. As a searcher, I want to search the Metadata Well and receive search results in a list of matching entities, so that I can find the metadata description I need.

32. As a searcher, I want to be able to perform both unspecified searches ("Simple search") and specific searches for entity types with specific properties ("Advanced search"), allowing me to identify the entities that form a metadata description.

33. As a searcher, I want the search function to leverage the structure of linked data, so that I can navigate between manifestations, associated expressions, works, and related agents and other entities.