Task Brief

WP Number and Title	WP3	Technological implementation
Task Number and Title	T3.2	Technical integration with EUROPEANA, BHL and national platforms
Subtask Number and Title	**T3.2.3**	**Build a prototype distributed data system for the German language material, and integrate with the BHL Portal.**
Task Leader and Contact	ATOS	roger.essoh@atosorigin.com[1]
Sub task Leader and Contact	-	-
Related Deliverable Number and Title	D3.5	Technical architecture status and progress report with particular focus on the development of the German prototype (M 12)
	D3.6	Release of German prototype (M 18)
	D3.7	Key components documented for output of D3.5 e.g. BHL-Europe Portal, OCR demonstrators, distributed storage model, etc. (M 24)
Start Date	M6 1.10.2009	**End Date**	M18 31.10.2010

1   Partners involved

Partner	PM	Contact (email)	Obligation
02 NHM		a.smales@nhm.ac.uk	**WP3 Leader – Coordination**
05 AIT	4	kochw@ait.co.at	Integration of ontology into METS editor.
06 ATOS		Roger.essoh@atosorigin. com	**Task Leader**
07 FUB-BGBM		a.guentsch@bgbm.org	
10 LANDOE		m.malicky@landesmuseu m.at	
23 Sp2000		f.a.bisby@reading.ac.uk	

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[1] Minutes Tech Workshop: http://bhl.wikispaces.com/file/view/BHL-E_TechWorkshop.pdf [14 May 2009]

Task Brief 3.2.3

Partner	PM	Contact (email)	Obligation
26 MOBOT		Chris.Freeland@MOBOT.ORG	Input on providing metadata structures for serials and books.

2   Objectives

This sub task needs to create a distributed data system that can interact with the portal. To import this data, the OAIS Ingest component and to provide the data, the OAIS Access component, is affected by this task. This task needs to tackle the problem of storing Functional Requirements for Bibliographic Records (FRBR), deduplication and harmonisation.

3   Methodology

This task will be completed from two sides. Ingest and Access are the interface to the other tasks and therefore must be solidly defined first. The internal behaviour can change over time but the interfaces need to stay as they are. Therefore no external communication except via Access and Ingest will be allowed. The OAIS components can be seen in Figure 3-1.
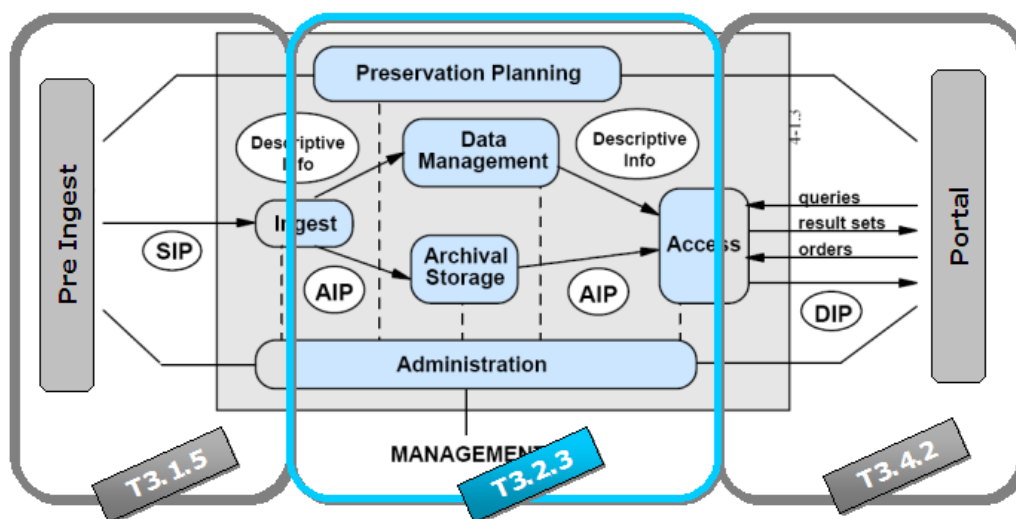

Figure 3-1 OAIS components covered by this sub task

Next to the interfaces the ingesting and accessing behaviour needs to be defined. Ingest needs to be able to distinguish between to FRBR levels by creating DIs and AIPs as needed.

The distribution of the system will take place within T3.3. The standards and definition will be defined in this task as shown in Figure 3-2.

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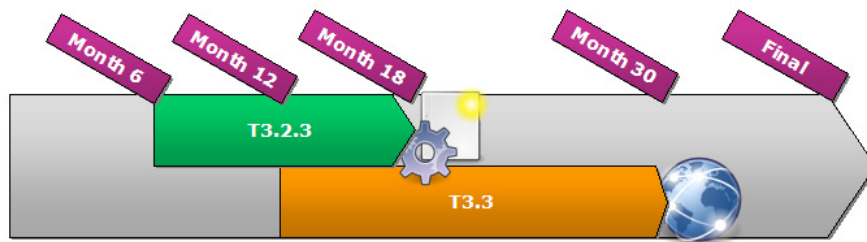
Figure 3-2 Process of creating prototype and distribution

4   Description of Work

This chapter describes the activities done by each partner to achieve this sub task.

4.1   TBW by task leader

4.2   Configure DataManagement to work with FRBR

Participants: AIT, ATOS
Related tasks: T3.1.5, T3.4.2
Deliverables: D3.5, D3.6, D3.7, D3.9

As DataManagement needs to provide the information concerning FRBR relations (derived from OAI-ORE), a solid data model needs to be created that is capable of merging records. AIT and ATOS will create a concept and configuration that can handle external deduplication and FRBR.

4.3   Implementing an internal persistent identifier system

Participants: AIT, ATOS
Related tasks: T3.1.5, T3.4.2
Deliverables: D3.5, D3.6, D3.7, D3.9

DataManagement needs to be able to handle persistent identifiers for metadata and files. AIT and ATOS will create a concept and implementation that is capable of supporting deduplication and persistent identifiers.

4.4   Cloud storage

Participants: AIT, ATOS
Related tasks: T3.1.5, T3.4.2
Deliverables: D3.5, D3.6, D3.7, D3.9

Archival Storage must support a distributed storage solution. As a backup solution, the data can be stored in the cloud on an opt-in basis. AIT and ATOS will create a concept and implementation that supports this features.

4.5   TBW by task leader

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