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# PREMIS in NL Sweden

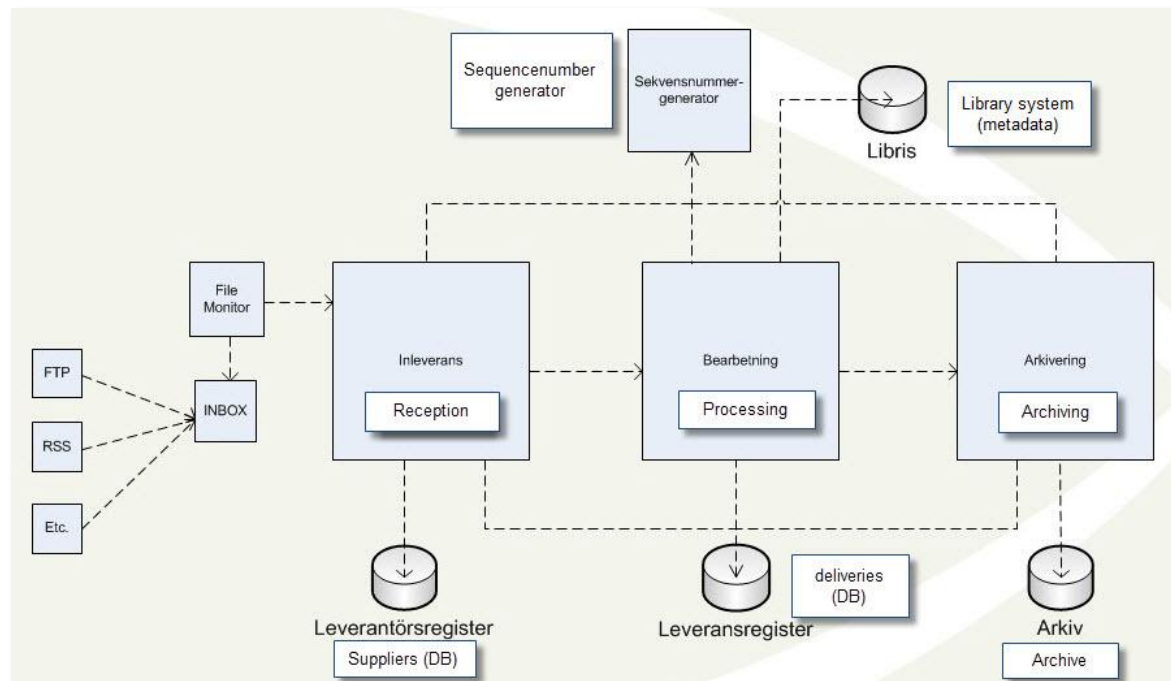
iPRES 2013 –  
PREMIS Implementation Fair Workshop

Stina Degerstedt



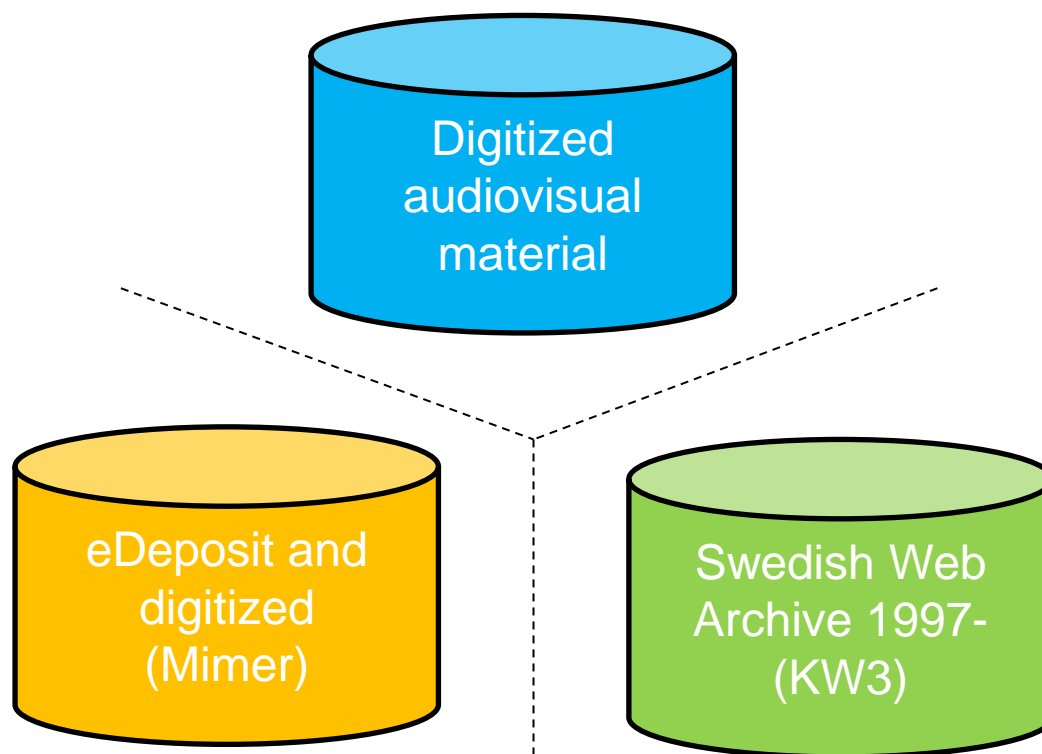
# ”Mimer” is a platform...

- for managing digital collections at the National Library,
- everything from e-deposit to inhouse digitization
- Conforms to the *OAIS Reference Model*
- Use of well known metadata standards (METS, PREMIS, MODS) – in collaboration with the Swedish National Archives



# Not only one digital archive

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# METS overview and example on [extranet.kb.se](http://extranet.kb.se)

Dashboard

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## Dashboard

### Welcome to Confluence

Confluence is the enterprise wiki designed to make it easy for you and your team to share information with each other, and with the world.

### Where do I start?

All content in Confluence is organised into *spaces*. So to start browsing content, simply click on one of the spaces listed below.

Spaces: **All**

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[XML - standarder och format](#)

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### Favourite Pages

There are currently no pages on your favourites list. You can add pages to this list by clicking on the page you're viewing.

Go there!

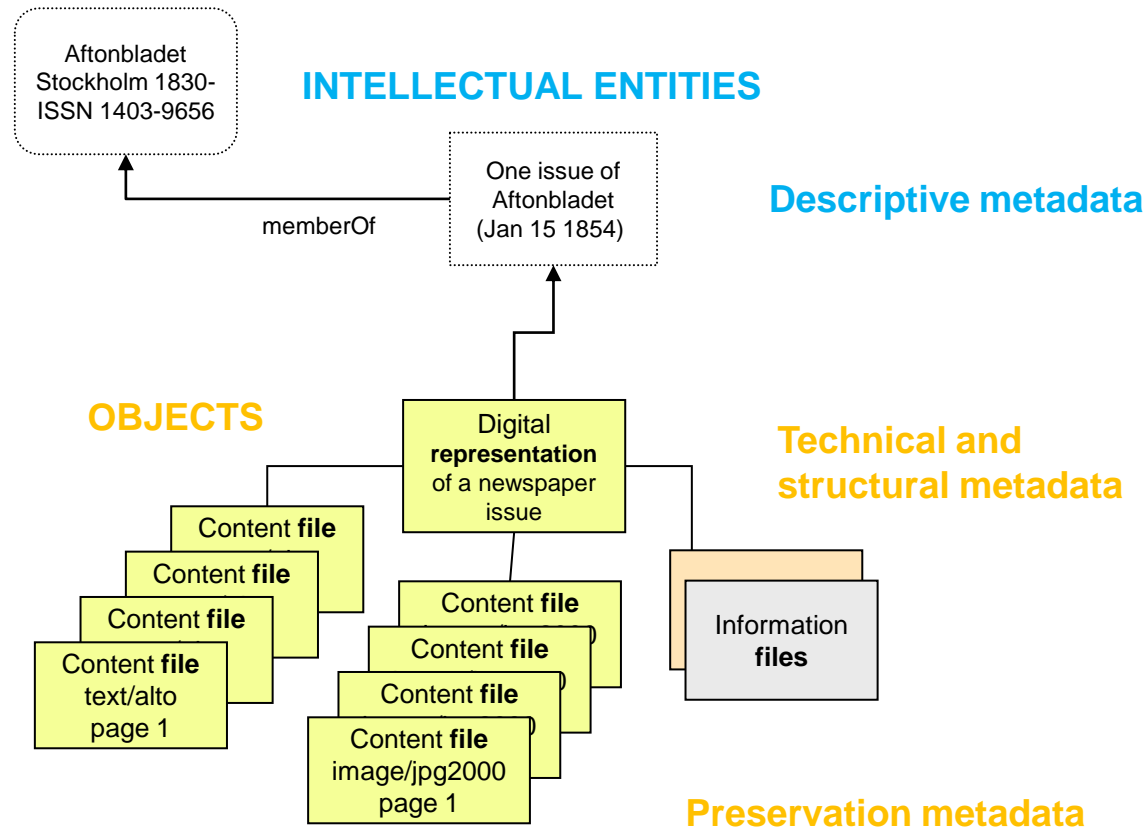
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# Things we spent a lot of time on:

# 1. Data and metadata model

## Basic terminology from the PREMIS data model

E  
V  
E  
N  
T  
S  
&  
A  
G  
E  
N  
T  
S



**<mets>**

**<metsHdr>** metadata about the Mets file

**<dmdSec>** descriptive metadata about intellectual entities and their relations.

Expressed in MODS. Partly exported in MARC to the National Catalogue

**<amdSec>** administrative metadata section with technical metadata for each file in PREMIS and MIX metadata. Preservation metadata in PREMIS about each event and agent

**<fileSec>** a list of files in the package

**<structMap>** specifies the physical structure of the representation (issue, section, page, etc.)

**</mets>**

## 2. PREMIS in relation to METS

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- PREMIS data streams should work independently.
  - links from each object:file to object:representation to intellectual entity
  - In METS we may express a more complex structure
- PREMIS is mainly for the purpose to meet the requirements of preservation data.
  - For example more information in PREMIS about the file format (if we are able to get that information)

# 3. Information repeated

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- In order to avoid too many repetitions of the same kind of information, data about events related to all files in the package is recorded once and linked to the premis:object on the level of representation.



# 4. What events should be recorded?

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- Examples:
  - Supplied metadata is correct according to specifications (validation)
  - All files listed in metadata are detected (validation)
  - Checksum from supplier is detected (validation)
  - Checksums compared (fixity check)
  - Package is successfully ingested (ingestion)

# 5. Vocabularies and identifiers

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- Ontologies for premis vocabulary
  - <http://id.loc.gov/ontologies/premis.html>
- Identifiers, some examples of types and values:
- `<premis:objectIdentifierType>URN</premis:objectIdentifierType>`  
`<premis:objectIdentifierValue>urn:nbn:se:kb:dark-object-instance-8149250</premis:objectIdentifierValue>`
- `<premis:eventIdentifierType>UUID</premis:eventIdentifierType>`  
`<premis:eventIdentifierValue>17d33c5e-1dcc-4ed8-9d54-372fe06a35a0</premis:eventIdentifierValue>`
- `<premis:agentIdentifierType>MimerImplementation</premis:agentIdentifierType>`  
`<premis:agentIdentifierValue>se.kb.mimer.reception.processstepfactory.DetectSupplierChecksums:1.0</premis:agentIdentifierValue>`

# 6. Rights information

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- We do not use PREMIS:RIGHTS
- We plan to build an application outside Mimer in order to handle rights (will largely rely on information already in bibliographic metadata)

# 7. Anchoring in the rest of the organization

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- A long and still ongoing process to help improving the awareness and understanding of what digital preservation and preservation metadata is about

# What are the next steps?

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- Testing, improvements, finishing of details
- Preparing for preservation planning and preservation actions
- More work on sharing preservation metadata with RDF triples (approaching the LOD people at the library)