BnF and OCLC/OPF pilot

Why BnF is interested

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iPRES 2012

Repository at BnF: up and running

Digitized books

Digitized audio and video

third party storage

web archives

Archive records

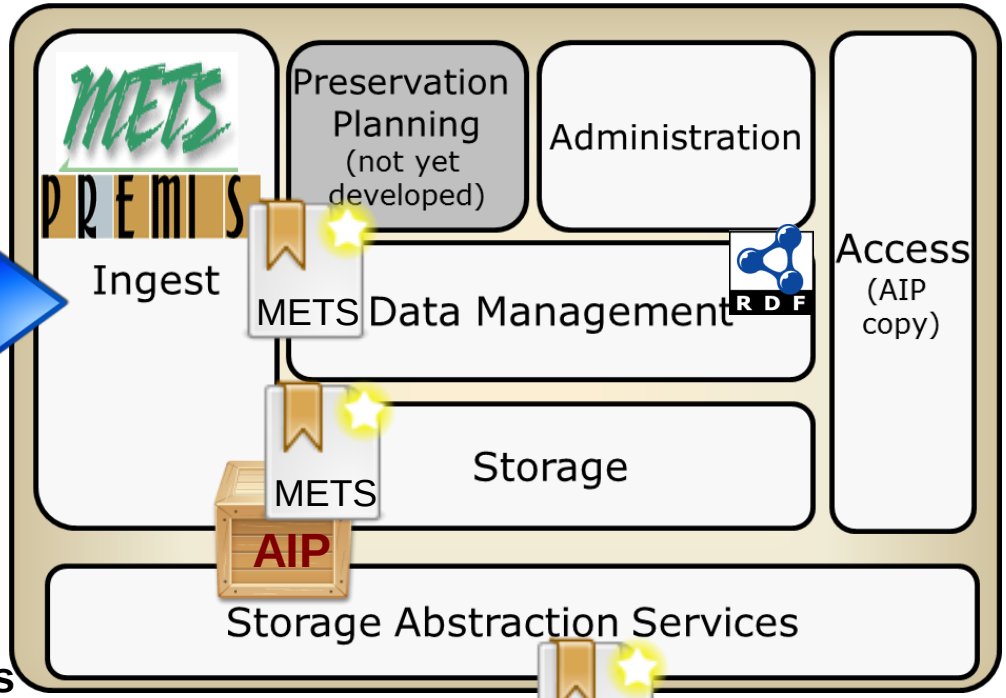
Pre Ingest 2010

Pre Ingest 2011

Pre Ingest 2011

Pre Ingest 2012

Pre Ingest



450,000 ingested AIPs

97 million files

325 TB

Preservation metadata at BnF

- 1 dedicated FTE about repository metadata with backup
- Traditional PREMIS in METS
- Mapped in an RDF triple store where it can be queried
- « Reference » information packages preserved, with structured, factorized metadata about
  - policies
  - formats
  - preservation tools
  - system processes

Why pilot?
1.Obvious reasons

- Evaluate the quality of our metadata, places where it can be improved
  - Especially for a « data-first » system
- External evaluation is useful for changing
- Avocate for preservation metadata (secure existing activities)

2. Where the pilot meets our agenda

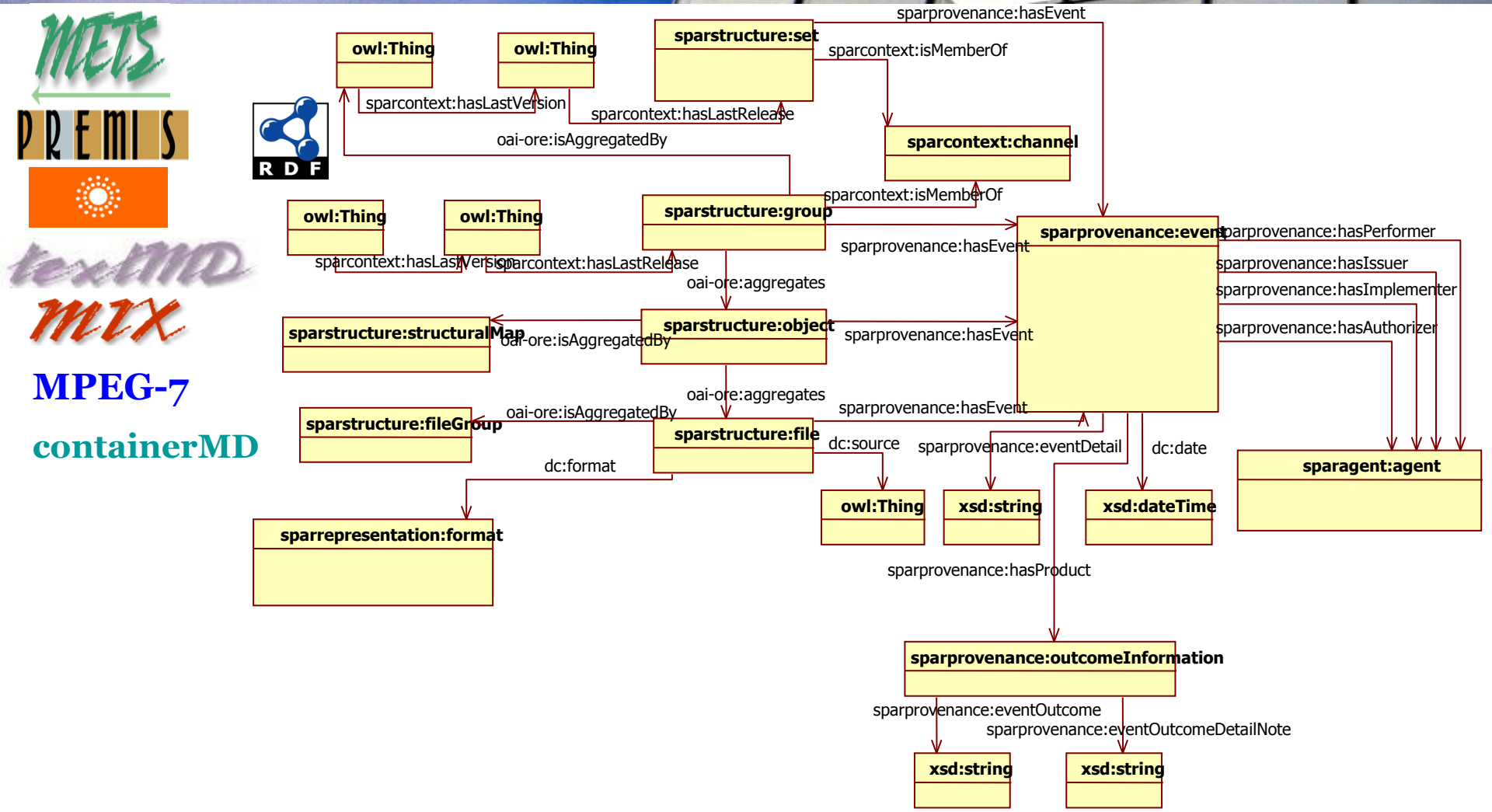
BnF projects

- Integrate DP to the daily activities of the library: digital meets physical preservation
- Build new channels, where ensuring the mission continuity is crucial
  - Substitution legal deposit
  - Acquisitions
- Improve the data management interfaces
- Iterate on the risk analysis

Pilot possible inputs

- Consider metadata from a risk driven approach
- Quantified need for pre-ingest provenance and context metadata
- Digital curator homepage risk table and prioritary requests
- Start with metadata

Risk analysis: from this…



to something like this

Information1 (corresponding metadata field)→ risk1 mitigated

Information2 (corresponding metadata field)→ risk2 mitigated

→ « Functional requirements for preservation metadata »

- Explains why preservation metadata is important on a **concrete and quantifiable basis**
- Threat-driven culture talks to traditional curators and managers

Curators don't want (just) this

Virtuoso SPARQL Query Editor

About | Namespace Prefixes | Inference rules

Default Data Set Name (Graph IRI)

Query Text

```
SELECT DISTINCT ?tool ?name ?toolType WHERE {
?file oai-ore:isAggregatedBy ?fileGroup.
?fileGroup a sparstructure:fileGroup;
           sparprovenance:hasEvent ?event.
?event a sparprovenance:fileProcessing;
       sparprovenance:hasPerformer ?tool.
?tool a ?toolType;
      foaf:name ?name
}
```

(Security restrictions of this server do not allow you to retrieve remote RDF data, see details.)

Results Format: HTML

Execution timeout: 0 milliseconds *(values less than 1000 are ignored)*

Options: ☑ Strict checking of void variables

(The result can only be sent back to browser, not saved on the server, see details)

Run Query | Reset

But something like that (too)!

<imagine user-friendly interface>

Risk analysis will help define what the most important questions are

And organize the interface

<answers to request1>

<answers to request2>

<answers to request3>

Questions?

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