

POZNAŃ SUPERCOMPUTING AND NETWORKING CENTER



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CAPACITIES

COOPERATION

PEOPLE

IDEAS

**INFORMATION
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**ACCESS IT Plus – Training workshop in Veria (March '12)
Session 2: Case studies for cooperation with Europeana
– Poland**

Speaker: Marcin Werla (mwerla@man.poznan.pl)

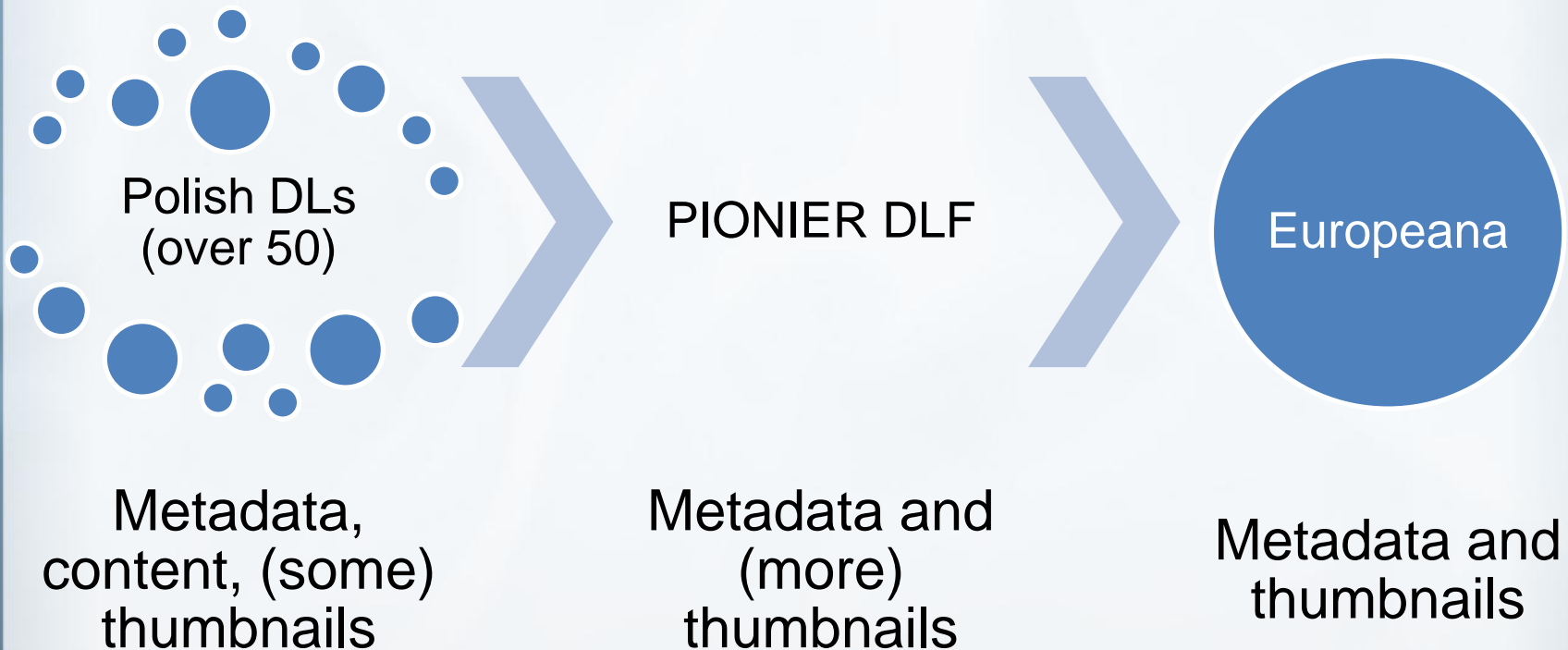


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PIONIER Network Digital Libraries Federation Cooperation with Europeana – The Workflow



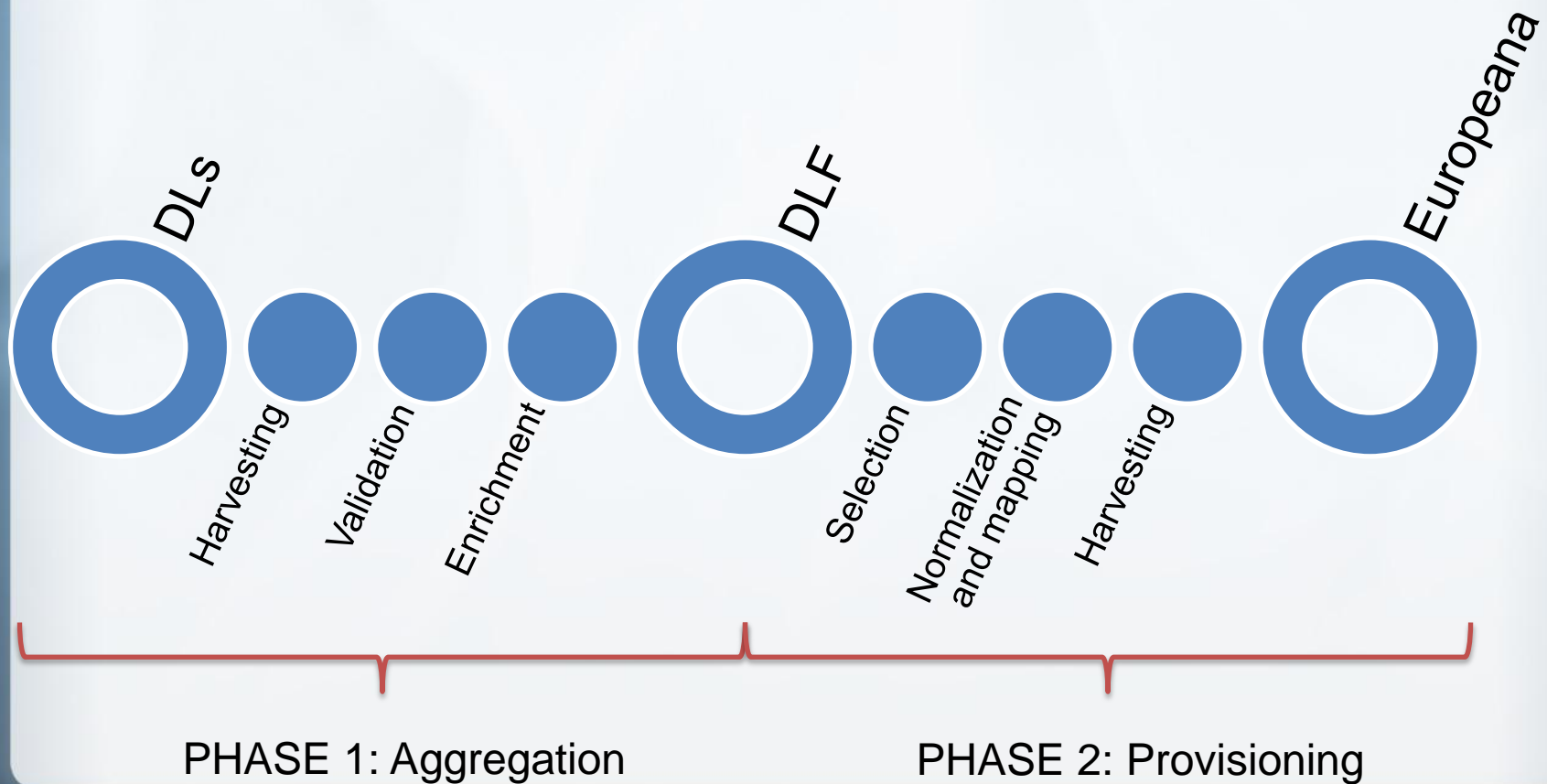
PIONIER Network Digital Libraries Federation Phase 0: Establishing the DL-DLF cooperation

- Each DL must be registered in the Federation DLs Database
 - The DL representative registers the DL
 - The DLF administrator approves the registration
 - The DL details can be updated at any time by the DL representative
- The database contains all necessary technical information and some additional “promotional” details (list of all contributing institutions with their geolocation, recommended digital objects etc.)

PIONIER Network Digital Libraries Federation Phase 0: Establishing the DL-DLF cooperation

- To promote early registration of DL initiatives we have three possible “states” of a digital library: planned, in preparation, on-line
- At the moment this registration is the only expression of will to cooperate with us
 - There are no legal contracts signed nor “check-here-to-accept” cooperation rules
 - Just some general mission statement and functionality/operation description
 - Separate e-mail question for passing metadata to third parties like Europeana

PIONIER Network Digital Libraries Federation Overview of the metadata flow



PIONIER Network Digital Libraries Federation Phase 1: Metadata & thumbnails aggregation

- Having all necessary technical details validated we can start periodic (nightly) harvesting of the metadata
 1. DC Simple metadata schema harvesting
 2. Validation (the metadata should contain URL to the object)
 3. Automatic enrichment of the metadata
 - dc:type → europeana:type [TEXT/IMAGE/AUDIO/VIDEO]
 - dc:rights → europeana:rights
- After harvesting the metadata we cache thumbnails (asynchronously)
 - Some are prepared by the digital library staff
 - Some are generated automatically by the DL software
 - Some are generated automatically by the DLF from the original object (the worst case)

PIONIER Network Digital Libraries Federation Phase 2: Metadata & thumbnails provisioning

- When the metadata is processed and thumbnails are cached, these are ready to be exposed for third parties
 1. Selection – not all digital libraries are willing to cooperate with third parties, not all objects are suitable for each third party
 - Selection based on source DL
 - Selection based on any metadata query
 2. Normalization and mapping – ideally specific for each third party
 - dc:language to ISO 639-2
 - DC Simple → ESE
 - Other europeana:* fields
 - Thumbnails get standardized form
<http://fbc.pionier.net.pl/thumbnail/<OAI Id>>
 - Object URLs get standardized form
<http://fbc.pionier.net.pl/id/<OAI Id>>
 3. Harvesting is done by Europeana from time to time

PIONIER Network Digital Libraries Federation Phase 2: Metadata & thumbnails provisioning

- Initial harvesting was done in December 2009
- Second harvesting was done in March 2010
 - ...and was a nice surprise for us 😊
- Third harvesting was done in June 2010
 - The exact date was agreed with Europeana Office as we were finishing the thumbnails caching mechanism
 - Some minor technical problems appeared but were solved together with the Europeana Office
- And so on... in average each three months

PIONIER Network Digital Libraries Federation Next steps and challenges

- Organizational
 - Precise statements about the rights/license to reuse the object
 - Legal agreement between Europeana and DLF
 - Legal agreements between DLF and DLs
 - Legal agreement between Europeana and DLs
- Technical
 - Usage statistics
 - Data from Europeana would be useful
 - More advanced metadata normalization
 - Dates and places will be the first step
 - Introduction of new common metadata schema broader than DCMES

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End of session 2:
Case studies for cooperation with Europeana
– Poland

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