

Advice for Implementing the DRIVER Guidelines

When you need support

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Input: what do you need before you start implementing?

For succesful and swift implementation of the Guidelines you need:

- The text of the guidelines. See [url]
- Your local metadata description or schema
- Some one who understands OAI-PMH
- Willingness to help create a high quality tool for the European research communities

Step 1: general guidelines (Part A)

Compare the Part A guidelines with your repository content:

- 1) if you comply a 100% with the part A guidelines you don't need a set
- 2) if you don't comply you'll need to implement a set

Note: you need a set when you have metadata-only records and/or toll gated aricles in your repository.

Implementing a set

The OAI-PMH protocol has a set mechanism. You should implement a set called "driver" and in response to a *listsets* request from a harvester, your repository should reply with this set name.

This set should expose only open access digital textual resources. Normally this can be done by a database query that selects or filters those records that are relevant for the set.

Step 2: metadata guidelines (part B)

Compare the Part B guidelines and Annex A with the metadata in your repository. Start with the mandatory elements (5 items).

2.1 You probably need to change your mapping for element dc:type

Example 1

All your records are theses and your current value for dc:type is "text"

Action: change "text" in "doctoral thesis"

Example 2

You have articles, theses and various other resources in your repository.
Your current value is “text”
Action: decide on your mapping or call the DRIVER helpdesk.

2.2 You probably need to check dc:identifier

Example 3

You know that about 50% of your content has no dc:identifier or the element does not link to a digital files.

Action: exclude these records from the DRIVER set

OR: insert links to digital files in this element

Example 4

Some links in your metadata records point to a digital that is not open access.

Action: exclude these records from the DRIVER set

OR replace the link by a new one that points to an open access file.

2.3 Then proceed with the other elements of the metadata.

Note the inverted name order for personal names.

Use of abstracts in dc:description is encouraged.

Do not place any url's in any element other than dc:identifier.

Example 5

Your repository metadata is more detailed then simple DC

Action: dumb down to simple DC

For any other questions or issues about metadata: call the helpdesk

Step 3: OAI protocol guidelines

Discuss the text of Part C and Annex 2 with a person who knows about OAI-PMH (it might be you). Note:

- the optional didl metadata prefix
- use of datestamp (important for incremental harvesting)
- transient deletes in the Identify response
- life of resumption token >5 hours
- harvest batch size of 100-200 records
- namespace declaration
- correct xml encoding

In general it doe snot take a lot of effort and time to comply to these guidelines. Most IR software systems do allow for the parameter settings as described in these Guidelines.

But in case of doubt or problems call the helpdesk.

We greatly encourage the use of the DIDL container (see Annex 3) Check with us or your systems developers before you start implementing it because we cooperate with systems developers in this area. Solutions already exist for Dspace, Arno and Vubis systems. It is expected they will also become available for Opus, Eprints and HAL.