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BHL-Europe

Technical Note

Prepare Preingest for GRIB prototype API

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¹ OJ L 79, 24.3.2005, p. 1.

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1 Document History

1.1 Contributors

A discussion about the specifications was initiated and the following persons provided input that was used for the present document.

Person	Partner
Alexander Herzog	AIT

1.2 Revision History

Revision Date	Author	Version	Change Reference & Summary
30.6.2010	Alexander Herzog	1.0	

1.3 Distribution

This document has been distributed to:

Group	Date of issue	Version

2 Purpose of this document

This document provides the outcome of the GRIB tests done in BHL-Europe Sprint 1.

3 The required services

This chapter describes the required services and the test results

3.1 *Deduplicate a record*

The main task of the GRIB is deduplication. Therefore a service consumer must be able to obtain an GRIB-ID based on a set of metadata from the service.

3.1.1 The used service

I used the service endpoint <http://gso.gbv.de/sru/DB=1.83/>. It's the SRU und therefore a standa interface. I searched for honeybee with the following link

<http://gso.gbv.de/sru/DB=1.83/?query=dc.title+%3D+%22honeybee%22&version=1.1&operation=searchRetrieve&stylesheet=http%3A%2F%2Fgso.gbv.de%2F%3F%3DsearchRetrieveResponse&recordSchema=dc&maximumRecords=10&startRecord=1&recordPacking=xml&sortKeys=none&x-info-5-mg-requestGroupings=none>

3.1.2 The test result

The site returned no records after 1.6 seconds.

Using the web interface at

<http://kavia0.gbv.de/DB=1.83/SET=3/TTL=1/CMD?ACT=SRCHA&IKT=1016&SRT=YOP&TRM=honeybee> I get 29 records. The page was there in 500ms but it took more than 20 seconds to actually reflect any changes.

Using the browse feature, I will get redirected to

<http://kavia0.gbv.de:8000/sru/DB=1.83?responsePosition=3&maximumTerms=50&operation=scan&scanClause=dc.creator+%3D+%22%22&version=1.1&stylesheet=http%3A%2F%2Fgso.gbv.de%2F%3F%3DscanResponse> which times out.

Overall I could not test it properly because results where incoherent and the responses where unacceptable.

3.2 *Get metadata for a GRIB-ID*

For tree building and FRBR the GRIB must return not only the metadata but also all related items and copound items at least as links with IDs. Therefore a service consumer must be able to obtain FRBR links (at least 'has part' and 'is part of' relations) based on a GRIB-ID from the service.

3.2.1 The used service

I used the web interface at

<http://kavia0.gbv.de/DB=1.83/SET=7/TTL=1/SHW?FRST=9/PRS=HOL/HILN=888#888>.

3.2.2 The test result

It didn't actually return any valuable information about referenced documents. A very basic metadata scheme was provided on the page.

3.3 Update GRIB item status

After an item was ingested, the service consumer must be able to announce the status change at the GRIB for a specific GRIB item. GRIB-ID and the new status will be sent to the service.

3.3.1 The used service

The JSON-API at <http://bhleurope.gbv.de/api>. In detail <http://bhleurope.gbv.de/api?id=bhleuropa:ppn:00108240X&status=test>

3.3.2 The test result

It took 6.5 seconds to change the record with returned `{"timestamp": "2010-05-28 09:40", "options": [], "status": "8301", "modifiedby": "EDIT", "id": "bhleurope:ppn:00108240X"}`. I am not sure what 8301 as status means but I am happy it worked at least somehow. As soon as the SRU service does not return 0 records I can crosscheck the result.

4 Conclusion

The GRIB services are very slow to use and valuable documentation is missing. SRU is a standard and therefore needs no additional documentation. The JSON-API is documented at <http://bhleurope.gbv.de/#json> and might need some working samples as well as a list of supported status types.