# Test beds, reference installation and sites

## Decision or action required

None

### Abstract

The following paper provides an overview about existing test suites for SRU (Search and Retrieval by URL) and OAI-PMH (Open Archive Initiative – Protocol for Metadata Harvesting). In addition detailed test cases for the document “WIS DEMONSTRATION PROCESS PROCEDURES AND GUIDELINES” (1) are provided.

### SRU Test suite

The Online Computer Library Center (OCLC) hosts a SRU Server Test suite. The SRU Server Test contains tests for explain, scan and searchRetrieve operation in addition to the tests mentioned in (1). The SRU Server Test is available here:

<http://alcme.oclc.org/srw/SRUServerTester.html>

A test run performed on June 27th 2013 showed that only one GISC passes all tests successfully while the other implementations showed some errors. For example 4 implementations identify themselves with the same host IP Address 85.10.219.212.

The test run were performed with the following URLs:

BOM: <http://wisupt.bom.gov.au/openwis-user-portal/srv/en/portal.sru>  
CMA: <http://wisportal.cma.gov.cn/srw/search>  
DWD: <http://gisc.dwd.de/SRU2JDBC/sru>  
JMA: <http://www.wis-jma.go.jp/meta/sru.jsp>  
KMA: <http://gisc.kma.go.kr/openwis-user-portal/srv/en/portal.sru>  
MF: <http://wispi.meteo.fr/openwis-user-portal/srv/en/portal.sru>  
UK MO: <http://wis.metoffice.gov.uk/openwis-user-portal/srv/en/portal.sru>

The OCLC SRU Server Test suite was submitted to WIS-TT-CAC to assist the auditors by the remote testing of GISC candidates.

In addition to the OCLC SRU Server Test suite WMO hosts a SRU Training page:

<http://www.wmo.int/pages/prog/www/WIS/wissruform.html>

The training page assists users to create SRU queries as requested in (1).

### OAI Server Test

### The Open Archives Initiative hosts beside the standard OAI-PMH 2.0 a test suite for OAI Servers. The test suite is accessible here:

<http://www.openarchives.org/data/registerasprovider.html#Protocol_Conformance_Testing>

For completing the tests it is necessary that the OAI Provider supports the metadata format oai\_dc which is not required by WIS. Currently 5 centres support this optional metadata format. Please note that Geonetworks offers a stylesheet (oai\_dc.xsl) which transforms ISO 19139 files into the oai\_dc format.

The Open Archives Initiative OAI Server Test suite was submitted to WIS-TT-CAC to assist the auditors by the remote testing of GISC candidates.

### Detailed test cases for the “WIS DEMONSTRATION PROCESS PROCEDURES AND GUIDELINES” (1)

In 2012 Dr. Sunghoi Huh (KMA) and Mr. Markus Heene (DWD) were asked by ET-GDDP chair and ET-WISC chair to develop concrete examples for the test specified in the document (1). The document was submitted to ET-GDDP chair and ET-WISC chair and to WIS-TT-CAC to assist the auditors by the remote testing of GISC candidates. Please find attached the document “OAI Test Bed – Test Cases” and an archive with the example metadata records.

## References

1. ET-GDDP: “WIS DEMONSTRATION PROCESS PROCEDURES AND GUIDELINES” from December 2009 Version 0.5.2 <http://www-db.wmo.int/WIS/centres/guidance.doc>

## Recommended Text

Mr. Markus Heene (DWD) presented the paper on test beds, reference installation and sites. ET-WISC encourages the centres to run the presented test suites and work on identified findings.

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