Scielo articles available to agricultural community using OAI-PMH in AGRIS AP XML format

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Abstract:

This article reports the work done and the achievements with the new way of presenting SciELO full text journal articles using AGRIS AP XML format for further inclusion and search through AGRIS portal.

It covers the following main steps of the work carried out:
- Selecting about 43 journals with agricultural thematic from the Web site of SciELO;
- Defining the methodology for harvesting. The strategy that we adopted was to adapt BIREME's OAI-PMH plug-in for direct generating of AGRIS AP XML from the SciELO application. The existing BIREME OAI-PMH plug-in interface was upgraded to accept and expose metadata using AGRIS AP in addition to the existing DC schema. This approach was elegant but required more time for realization and implementation by BIREME and FAO staff;
- Harvesting legacy data and then doing incremental harvesting for the new data from the selected   SciELO journal articles for inclusion in the AGRIS XML repository;
- Inclusion of SciELO data and open access to them through the AGRIS search portal at http://www.fao.org/agris/search/search.do?query=%2Bcenter%3A%28XS%29
- Testing and proposals for improvement and future use of this extension.

We share the methodology used, problems encountered and the expected benefit of exposing SciELO data by giving greater access and visibility in the new AGRIS AP format compared to the used DC format. This work assures that semantically rich metadata for agricultural science and research publications based on the "AGRIS Application Profile" is handled by the OAI protocol. It shows how the selected subset of metadata, created with ISIS application can be harvested through OAI-PMH protocol which in turn allows for further creation of additional services based on the exchange of knowledge on agricultural science and technology publications worldwide.