OPEN ARCHIVES INITIATIVE GUIDE

How to use OAI

The Open Archives Initiative develops and promotes interoperability standards that aim to facilitate the efficient dissemination of content. OAI has its roots in the open access and institutional repository movements. Based in this principle we let available the data of the three databases (CEPAL, DBLIL, and MARC) that contain the ABCD package in the OAI-PMH version 2.0 format.

If you want to see the full documentation or more information about OAI, check it in http://www.openarchives.org/. The only additional parameter in this module is **database**, witch is not mandatory. In case that database parameter is not specified the default database is DBLIL. To access the other databases use **database=cepal** or **database=marc**, parameters are case sensitive.

For examples we use the URL: `http://abcd.bireme.org`

Possible General Errors

> Examples: http://abcd.bireme.org/oai/abcd-oai.php
>
> Error: badVerb: Illegal OAI verb
>
> Examples: http://abcd.bireme.org/oai/abcd-oai.php?verb=xxx
>
> Error: badVerb: Illegal OAI verb

Using the verb *Identify*

This verb returns information about main protocol.

Mandatory Parameter: verb

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=Identify

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<repositoryName>	ABCD - Libraries and Documentation Centers Automation System	Idem	Idem
<baseURL>	http://URL/oai/abcd-oai.php	Idem	Idem
<protocolVersion>	2.0	Idem	Idem
<adminEmail>	bruno.neofiti@bireme.org	Idem	Idem
<earliestDatestamp>	2004-06-02	Idem	Idem
<deletedRecord>	no	Idem	Idem
<granularity>	YYYY-MM-DD	Idem	Idem

Using the verb *ListRecords*

Return the header of the articles of database DBLIL, CEPAL, MARC

Mandatory Parameter: verb, metadataPrefix

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListRecords&metadataPrefix=oai_dc

Possible Errors

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListRecords
>
> Error: badArgument: Missing or empty metadataPrefix
>
> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListRecords&metadataPrefix=xxx
>
> Error: cannotDisseminateFormat

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<identifier>	v1 + v2	Previously v2, but deprecated [void]	v3 + v1
<creator>	If v6:'a' then v10 | v11 else v16 | v17 fi	If v6:'a' then v10 | v11 else v16 | v17 fi	v100^a | v110^a + v700^a
<Title>	If v6:'a' then v12 else v18 fi	If v6:'a' then v12 else v18 fi	v245^a + v245^b
<publisher>	v62	v38	v260^b
<language>	v40	v64	v008*35.3
<type>	Check fields v5 and v6, and assigns: book, article, etc, according to the field contents	Not available	v9
<description>	V83	v72	V520^a
<subject>	V87	v76	v600, v610, v611, v630
<format>	text/html	text/html	text/html

Using the verb *ListIdentifiers*

Retrieves one list with the unique identifier of each published work.

Mandatory Parameter: verb, metadataPrefix

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListIdentifiers&ListRecords&metadataPrefix=oai_dc

Possible Errors

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListIdentifiers
>
> Error: badArgument: Missing or empty metadataPrefix
>
> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListIdentifiers&metadataPrefix=xxx
>
> Error: cannotDisseminateFormat

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<responseDate>	Date of the search according to UTC format	Idem	Idem
<identifier>	v1 + v2	-	v1 + v3 or if p(v856) then V856^u
<datestamp>	v65	V44	v8*7.4
<setSpec>	v1 + v2	v1 + v3	v1 + v3

Using the verb *ListMetadataFormats*

Describes the metadata formats used in the protocol. The only used format in DBLIL, CEPAL, and MARC, is oai_dc.

Mandatory Parameter: verb

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListMetadataFormats&metadataPrefix=oai_dc

Possible Errors

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListMetadataFormats
>
> Error: badArgument: Missing or empty metadataPrefix
>
> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=ListMetadataFormats&metadataPrefix=xxx
>
> Error: cannotDisseminateFormat

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<responseDate>	Date of the search according to UTC format	Idem	Idem
<metadataPrefix>	oai_dc	Idem	Idem
<schema>	http://www.openarchives.org/OAI/2.0/oai_dc.xsd	Idem	Idem
<metadataNamespace>	http://www.openarchives.org/OAI/2.0/oai_dc/	Idem	Idem

Using the verb *GetRecord*

Retrieves the metadata of a specific record

Mandatory Parameter: verb, metadataPrefix, Identifier

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=oai_dc&Identifier=123

Possible Errors

> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&Identifier=123
>
> Error: badArgument: Missing or empty metadataPrefix
>
> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=oai_dc
>
> Error: badArgument: Missing or empty Identifier
>
> Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=xxx
>
> Error: cannotDisseminateFormat

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<responseDate>	Date of the search according to UTC format	Idem	Idem
<metadataPrefix>	oai_dc	oai_dc	oai_dc
<identifier>	v1 + v2	-	v1 + v3 Si tiene URL: V856^u
<datestamp>	v65 (YYYY-MM-DD)	V44	v8*7.4
<setSpec>	v1 + v2	v2	v1 + v3
<title>	If v6:'a' then v12 else v18 fi	If v6:'a' then v12 else v18 fi	V245^a + v245^b
<creator>	If v6:'a' then v10 | v11 else v16 | v17 fi	If v6:'a' then v10 | v11 else v16 | v17 fi	V100^a ou v110^a + v700^a
<subject>	v87	v76	v600, v610, v611, v630
<description>	v83	v72	v520
<date>	v65 (YYYY-MM-DD)	V44	v8*7.4

Using the verb *ListSets*

Retrieves one list with all the journals published in the databases DBLIL, CEPAL, MARC, and show the title and ISSN, of each magazine.

Mandatory Parameter: verb, metadataPrefix, Identifier

Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=oai_dc&Identifier=123

Possible Errors

Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&Identifier=123

Error: badArgument: Missing or empty metadataPrefix

Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=oai_dc

Error: badArgument: Missing or empty Identifier

Example: http://abcd.bireme.org/oai/abcd-oai.php?verb=GetRecord&metadataPrefix=xxx

Error: cannotDisseminateFormat

Label OAI-PMH	Field DBLIL	Field CEPAL	Field MARC
<setSpec>	v1 + v2	v2	v1 + v3
<setName>	If v6:'a' then v12 else v18 fi	If v6:'a' then v12 else v18 fi	V245^a + v245^b