

Package: aurora (via r-universe)

September 16, 2024

Type Package

Title Interface to the Oxford University Research Archive

Version 0.0.0.9000

Description The Oxford University Research Archive (ORA) [<https://ora.ox.ac.uk/>](https://ora.ox.ac.uk/) is an Open Access platform and is the institutional repository for the University of Oxford. ORA serves as a permanent and secure online archive of research materials produced by members of the University of Oxford. ORA supports and participates in the Open Archives Initiative (OAI). ORA is a registered OAI-PMH data-provider and provides metadata for all public records which is updated as soon as each record is published or updated. ORA also provides API access to its resources. This package provides low level functions to interface with the ORA API [<https://ora.ox.ac.uk/api>](https://ora.ox.ac.uk/api).

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Imports dplyr, httr2, rlang, tibble, tidyr, xml2

Encoding UTF-8

Language en-GB

LazyData true

RoxygenNote 7.3.1

Roxygen list(markdown = TRUE)

URL <https://oxford-ihtm.io/aurora/>,
<https://github.com/OxfordIHTM/aurora>,
<http://oxford-ihtm.io/aurora/>

BugReports <https://github.com/OxfordIHTM/aurora/issues>

Repository <https://oxfordihtm.r-universe.dev>

RemoteUrl <https://github.com/OxfordIHTM/aurora>

RemoteRef HEAD

RemoteSha fd6adf791e6406803a817b05d3777637a233f949

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ora_identify	<i>Retrieve information about Oxford University OAI repository</i>
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Description

Retrieve information about Oxford University OAI repository

Usage

```
ora_identify(base_url = "https://ora.ox.ac.uk/oai2", tabular = TRUE)
```

Arguments

base_url	The OAI-PMH endpoint base URL. Set to https://ora.ox.ac.uk/oai2.
tabular	Logical. Should response be structured into a table? Default is TRUE.

Value

A data.frame (default) or an XML document (if tabular = FALSE) with identifying information on the OAI repository.

Examples

```
ora_identify()
```

ora_list_meta_formats	<i>List metadata formats</i>
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Description

List metadata formats

Usage

```
ora_list_meta_formats(base_url = "https://ora.ox.ac.uk/oai2", tabular = TRUE)
```

Arguments

base_url	The OAI-PMH endpoint base URL. Set to https://ora.ox.ac.uk/oai2.
tabular	Logical. Should response be structured into a table? Default is TRUE.

Value

A data.frame (default) or an XML document (if tabular = FALSE) with identifying information on the OAI metadata formats.

Examples

```
ora_list_meta_formats()
```

ora_list_records	<i>List records</i>
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Description

List records

Usage

```
ora_list_records(
  base_url = "https://ora.ox.ac.uk/oai2",
  metadata_prefix = c("oai_dc", "datacite_dc", "dart_dc", "solo_dc", "base_dc",
    "oai_openaire", "uketd_dc", "rioxx_terms", "rioxx_terms_cc0")
)

ora_list_records_id(
  base_url = "https://ora.ox.ac.uk/oai2",
  metadata_prefix = c("oai_dc", "datacite_dc", "dart_dc", "solo_dc", "base_dc",
    "oai_openaire", "uketd_dc", "rioxx_terms", "rioxx_terms_cc0")
)
```

Arguments

base_url	The OAI-PMH endpoint base URL. Set to https://ora.ox.ac.uk/oai2
metadata_prefix	Prefix or code for metadata format to retrieve for each record returned. List of all the metadata formats supported can be retrieved through a call to ora_list_metadata_formats(). Default is "oai_dc" for the OAI-PMH standard Dublin Core (DC).

Value

XML OAI response

Metadata Format

Metadata for each item (record) is available in several formats. Not all formats are supported for all records.

Examples

```
ora_list_records()
ora_list_records_id()
```

ora_list_sets	<i>List sets of work</i>
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Description

List sets of work

Usage

```
ora_list_sets(base_url = "https://ora.ox.ac.uk/oai2")
```

Arguments

`base_url` The OAI-PMH endpoint base URL. Set to `https://ora.ox.ac.uk/oai2`

Value

XML OAI response

List Sets

ORA records are available for selective harvesting as a separate set based on their **Type of work** within the ORA system, e.g. *"thesis"*, *"dataset"*, *"journal article"*.

Examples

```
ora_list_sets()
```

ora_structure_identify

Structure ORA XML outputs

Description

Structure ORA XML outputs

Usage

```
ora_structure_identify(ora_xml)
```

```
ora_structure_meta_formats(ora_xml)
```

Arguments

ora_xml XML outputs.

Value

A tibble outputs.

Examples

```
ora_identify()  
ora_list_meta_formats()
```

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