Package 'icesDatsu'

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Version 1.2.0

Title Functions to Interact with the ICES Data Submission Utility (DATSU)

Description Functions to Interact with the ICES Data Submission Utility (DATSU) <https://datsu.ices.dk/web/index.aspx>.

License GPL (>= 2)

RoxygenNote 7.3.2

Suggests knitr, rmarkdown

Imports icesConnect (>= 1.0.0), httr, jsonlite

Encoding UTF-8

URL https://datsu.ices.dk/web/index.aspx, https://github.com/ices-tools-prod/icesDatsu

BugReports https://github.com/ices-tools-prod/icesDatsu/issues

NeedsCompilation no

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Repository CRAN

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`datsu_api` *Build a DATSU web service url*

Description

utility to build a url with optional query arguments

Usage

```
datsu_api(service, ...)
```

Arguments

`service`	the name of the service
`...`	name arguments will be added as queries

Value

a complete url as a character string

Examples

```
datsu_api("hi", bye = 21)
datsu_api("getDataverIDs")
```

`getDataFieldsDescription` *get list of datasets*

Description

A list of the available fields for the specified format and record (optional filter). in this list it is specified the field type, if it is mandatory and if it is linked with any vocabulary.

Usage

```
getDataFieldsDescription(datasetverID, recordType = NULL)
```

Arguments

datasetverID	the dataset ID
recordType	string name of the record type, optional

Value

List of the supported records and fields.

Examples

```
## Not run:
getDataFieldsDescription(145)
getDataFieldsDescription(145, "VE")

## End(Not run)
```

---

getDataverIDs *get list of datasets*

Description

This API allows the user to have a list of all the datasets IDs that can be screened in the DATSU API.

Usage

```
getDataverIDs()
```

Value

The list of Datasets that can be screened in DATSU with the IDs

Examples

```
## Not run:
formats <- getDataverIDs()
formats[grep("vms", tolower(formats$description)), ]

## End(Not run)
```

getListQCChecks *get list of datasets*

Description

This API allows the user to have a list of all the datasets IDs that can be screened in the DATSU API.

Usage

```
getListQCChecks(datasetverID, recordType = NULL)
```

Arguments

datasetverID	the dataset ID
recordType	string name of the record type, optional

Value

The list of Datasets that can be screened in DATSU with the IDs

Examples

```
## Not run:
getListQCChecks(145)
getListQCChecks(145, "VE")

## End(Not run)
```

getMySessionsList *get screening session list for a user*

Description

This API of the web service returns a list of the sessions for the authenticated user.

Usage

```
getMySessionsList()
```

Value

The details of the users sessions

Examples

```
## Not run:
getMySessionsList()

## End(Not run)
```

`getRecordIDs` *get list of records for a dataset*

Description

A list of the available records for the specified format

Usage

```
getRecordIDs(datasetverID)
```

Arguments

`datasetverID`	the dataset ID

Value

List of the supported records for the specified records

Examples

```
## Not run:
getRecordIDs(145)

## End(Not run)
```

`getScreeningSessionDetails` *get screening session details*

Description

This API allows the user to view the details of a specific session.

Usage

```
getScreeningSessionDetails(sessionID)
```

Arguments

`sessionID`	the session ID

Value

Details of the session

Examples

```
## Not run:
getScreeningSessionDetails(10)

## End(Not run)
```

`getScreeningSessionMessages` *get screening session messages*

Description

A list of the messages for the specified session ID

Usage

```
getScreeningSessionMessages(sessionID)
```

Arguments

`sessionID`	the session ID

Value

List of the messages for the specified session

Examples

```
## Not run:
messages <- getScreeningSessionMessages(10)

## End(Not run)
```

getScreeningSessionsList *get screening session list*

Description

This API allows the user to screen a file using the API

Usage

```
getScreeningSessionsList(dataSetVerID, year = NULL, country = NULL)
```

Arguments

dataSetVerID	the dataset version id
year	filter by year, optional
country	filter by country, optional

Value

The details of the sessions

Examples

```
## Not run:
getScreeningSessionsList(145)
getScreeningSessionsList(145, year = 2020)

## End(Not run)
```

uploadDatsuFileFireAndForget *get list of records for a dataset*

Description

This API allows the user to screen a file using the API.

Usage

```
uploadDatsuFileFireAndForget(
  fileToUpload,
  dataSetVerID,
  emailAddress = NULL,
  sendEmail = TRUE,
  errorLimit = 30000,
  verbose = FALSE
)
```

Arguments

fileToUpload	the filename of the file to upload
dataSetVerID	The version of the dataset
emailAddress	alternative email address of the user, if NULL, email address from ICES token is used
sendEmail	it is set to TRUE by default, this will specify if the user will to receive an email when the session is finished
errorLimit	does not need to be specified, it is 30000 by default
verbose	get verbose output from the POST request, default FALSE

Value

The ID of the DATSU session

Examples

```
## Not run:
filename <- system.file("test_files/vms_test.csv", package = "icesDatsu")
id <- uploadDatsuFileFireAndForget(filename, 145)
getScreeningSessionDetails(id)
messages <- getScreeningSessionMessages(id)
head(messages)

uploadDatsuFileFireAndForget(filename, 145, sendEmail = FALSE)

## End(Not run)
```

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