

# Package ‘icesDatsu’

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**Version** 1.1.0

**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** 7.1.2

**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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datstu_api	<i>Build a DATSU web service url</i>
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**Description**

utility to build a url with optional query arguments

**Usage**

```
datstu_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**

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

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getDataFieldsDescription	<i>get list of datasets</i>
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**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**

```
getDataFieldsDescription(145)  
getDataFieldsDescription(145, "VE")
```

---

*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**

```
formats <- getDataverIDs()  
formats[grep("vms", tolower(formats$description)), ]
```

---

*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**

```
getListQCChecks(145)  
qc_ve <- getListQCChecks(145, "VE")
```

---

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**

`getRecordIDs(145)`

---

`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**

```
getScreeningSessionDetails(10)
```

---

```
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**

```
messages <- getScreeningSessionMessages(10)
```

---

```
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

```
getScreeningSessionsList(145)
getScreeningSessionsList(145, year = 2020)
```

---

```
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")  
uploadDatsuFileFireAndForget(filename, 145)  
uploadDatsuFileFireAndForget(filename, 145, sendEmail = FALSE)  
  
## End(Not run)
```



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