

Package: icesASD (via r-universe)

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Description R interface to access the web services of the ICES Advice and Scenarios database <<https://asd.ices.dk/AdviceList>>.
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Contents

icesASD-package	2
adviceDownload	2
asd_api	3
getAdviceViewRecord	3
getCatchScenariosNotes	4
getCatchScenariosTable	4
get_catch_scenario_table	5
readAsdUpload	6
screen_asd_file	6

Index	8
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icesASD-package

Stock Advice and Scenarios Database Web Services

Description

R interface to access the web services of the ICES Stock Advice and Scenarios database.

Details

Get dataset:

<code>getAdviceViewRecord</code>	Get Advice Record
<code>getCatchScenariosTable</code>	Get Advice Catch Scenario Table
<code>getCatchScenariosNotes</code>	Get Advice Catch Scenario Table Footnotes

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References

ICES Advice and Scenarios database: <http://sg.ices.dk>.

ICES Advice and Scenarios database web services: <http://sg.ices.dk/webservices.aspx>.

adviceDownload

Download advice scenarios

Description

Download a zip file of a set of advice scenarios

Usage

```
adviceDownload(adviceKeys, dir = ".")
```

Arguments

<code>adviceKeys</code>	a vector of advice view ids.
<code>dir</code>	directory to download to.

Examples

```
## Not run:
adviceDownload(c(1009, 1011, 1022))

## End(Not run)
```

asd_api	<i>Create The ASD Webservice URL</i>
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Description

utility to build a url with optional query arguments

Usage

```
asd_api(service, ...)
```

Arguments

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

Value

a complete url as a character string

Examples

```
asd_api("hi", bye = 21)
asd_api("csquares", argument1 = 2021, argument2 = NULL)
```

getAdviceViewRecord	<i>Get Advice View Record</i>
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Description

Get Advice View Record

Usage

```
getAdviceViewRecord(stockcode = NULL, year = NULL, assessmentKey = NULL)
```

Arguments

stockcode	string value of the stock code you wish to look
year	integer value of assessment year
assessmentKey	integer value of SAG assessmentKey

Examples

```
catch_scenario_list <- getAdviceViewRecord()
head(catch_scenario_list, 3)

getAdviceViewRecord("b11.27.3a47de", 2021, 15609)
```

`getCatchScenariosNotes`*Get Catch Scenarios Notes*

Description

Get Catch Scenarios Notes for a given record

Usage

```
getCatchScenariosNotes(adviceKey)
```

Arguments

adviceKey advice view id(s)

Examples

```
catch_scenario_note <- getCatchScenariosNotes(2814)
catch_scenario_notes <- getCatchScenariosNotes(c(2814, 2815))
```

`getCatchScenariosTable`*Get Catch Scenarios Table*

Description

Get Catch Scenarios Table for a given record

Usage

```
getCatchScenariosTable(adviceKey)
```

Arguments

adviceKey advice view id(s)

Examples

```
catch_scenario_table <- getCatchScenariosTable(2814)
catch_scenario_tables <- getCatchScenariosTable(c(2814, 2815))
```

`get_catch_scenario_table`*Get Advice Catch Scenario Table*

Description

Returns the catch scenario table for the selected stock and year using the advice view web service.

Usage

```
get_catch_scenario_table(adviceKey, assessmentYear)
```

Arguments

`adviceKey` integer value of stock adviceKey
`assessmentYear` integer value of assessment year

Value

data.frame containing the catch scenarios table for the advice view record

References

<https://sg.ices.dk/adviceview/AdviceList>

Examples

```
get_catch_scenario_table(3056, 2022)
```

readAsdUpload	<i>Read a file in the ASD upload format</i>
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Description

Read a file in the ASD upload format, returning a list of metadata and data.frame

Usage

```
readAsdUpload(filename, format = FALSE)
```

Arguments

filename	the file path of the file to read
format	should the output be formatted into an easy to read table

Examples

```
filename <- system.file("CatchScenarios_AdviceKey_3207.xml", package = "icesASD")
asd <- readAsdUpload(filename)
```

screen_asd_file	<i>Screen an ASD file and submit for QC checks</i>
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Description

In this web service the user can upload a file to be screen and validated by the VMS database. The service can be called using post and the file will have to be part of the body of the call. The user needs to be authenticated in order to call this service. This file can be later pushed to the database by the same user.

Usage

```
screen_asd_file(file, verbose = FALSE)
```

Arguments

file	file name of the file containing the data to screen
verbose	return verbose information about the POST request

Value

text message from the screening process

Examples

```
## Not run:  
# requires authorization  
filename <- system.file("test_files/vms_test.csv", package = "icesVMS")  
screen_vms_file(filename)  
  
## End(Not run)
```

Index

adviceDownload, [2](#)
asd_api, [3](#)

get_catch_scenario_table, [5](#)
getAdviceViewRecord, [2](#), [3](#)
getCatchScenariosNotes, [2](#), [4](#)
getCatchScenariosTable, [2](#), [4](#)

icesASD (icesASD-package), [2](#)
icesASD-package, [2](#)

readAsdUpload, [6](#)

screen_asd_file, [6](#)