

# Package: icesASD (via r-universe)

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**Version** 0.0.1

**Title** Advice and Scenarios Database Web Services

**Imports** icesConnect, glue, httr, tidyr, jsonlite, xml2

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

**License** GPL (>= 2)

**URL** <https://asd.ices.dk/AdviceList>,  
<https://github.com/ices-tools-prod/icesASD>

**BugReports** <https://github.com/ices-tools-prod/icesASD/issues>

**RoxygenNote** 7.2.3

**Encoding** UTF-8

**Repository** <https://ices-tools-prod.r-universe.dev>

**RemoteUrl** <https://github.com/ices-tools-prod/icesASD>

**RemoteRef** HEAD

**RemoteSha** a2ecbc745cdb552352066d9cd7ec0c1c3e589583

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icesASD-package

*Stock Advice and Scenarios Database Web Services*

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### Description

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

### Details

*Get dataset:*

<a href="#">getAdviceViewRecord</a>	Get Advice Record
<a href="#">getCatchScenariosTable</a>	Get Advice Catch Scenario Table
<a href="#">getCatchScenariosNotes</a>	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>.

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adviceDownload

*Download advice scenarios*

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### Description

Download a zip file of a set of advice scenarios

### Usage

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

### Arguments

adviceKeys	a vector of advice view ids.
dir	directory to download to.

### Examples

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

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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)
```

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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)
```

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getCatchScenariosNotes

*Get Catch Scenarios Notes*

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**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))
```

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getCatchScenariosTable

*Get Catch Scenarios Table*

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**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))
```

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`get_catch_scenario_table`

*Get Advice Catch Scenario Table*

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### 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)
```

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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)
```

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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)
```

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