

# Package ‘icesSD’

October 24, 2024

**Version** 2.1.0

**Title** Stock Database Web Services

**Imports** icesConnect (>= 1.0.0), httr

**Suggests** testthat

**Description**

R interface to access the web services of the ICES Stock Database <<https://sd.ices.dk>>.

**License** GPL (>= 2)

**URL** <https://sd.ices.dk>, <https://github.com/ices-tools-prod/icesSD>

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

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**Language** en-GB

**NeedsCompilation** no

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**Repository** CRAN

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icesSD-package

*Stock Database Web Services*

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## Description

R interface to access the web services of the ICES Stock Database.

## Details

*Get dataset:*

`getSD` full stock list, with filtering by stock and year

*Show on screen:*

`showStock` one stock, in a readable format

## Author(s)

Colin Millar, Scott Large, and Arni Magnusson.

## References

ICES Stock Database: <https://sd.ices.dk>.

ICES Stock Database web services: <https://sd.ices.dk/services/>.

## See Also

Useful links:

- <https://sd.ices.dk>
- <https://github.com/ices-tools-prod/icesSD>
- Report bugs at <https://github.com/ices-tools-prod/icesSD/issues>

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getSD	<i>Get Stock List Data</i>
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**Description**

Get stock list data such as stock code, expert group, assessment type, etc.

**Usage**

```
getSD(stock = NULL, year = NULL)
```

**Arguments**

stock	the stock code, e.g. cod.27.47d20.
year	the active year of the stock list, e.g. 2016, or NULL to get the most recent year available.

**Value**

A data frame.

[icesSD-package](#) gives an overview of the package.

**Examples**

```
## Not run:  
sddata <- getSD()  
cod <- getSD(stock = "cod.27.47d20")  
cod22 <- getSD(stock = "cod.27.47d20", year = 2022)  
y2022 <- getSD(year = 2022)  
  
## End(Not run)
```

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sd_api	<i>Build a Stock Database (SD) web service url</i>
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**Description**

utility to build a url with optional query arguments

**Usage**

```
sd_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**

```
sd_api("hi", bye = 21)
sd_api("odata4/StockListDws4")
```

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showStock

*Show Stock*

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**Description**

Show stock list data for one stock, in a readable format.

**Usage**

```
showStock(stock, year = NULL)
```

**Arguments**

stock	the stock code, e.g. "cod.27.7a".
year	the active year of the stock listing, e.g. 2024.

**Details**

If year = NULL then the newest year is shown.

**Value**

A single-row data frame, shown on the screen with `print.simple.list`.

**Note**

The stock list data specify the expert group, advice group, assessment type, etc.

**See Also**

[getSD](#) is the underlying function to get the stock list data.  
[icesSD-package](#) gives an overview of the package.

**Examples**

```
## Not run:
showStock("cod.27.7a", 2023)
showStock("cod.27.7a", 2024)

## End(Not run)
```

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