

Package ‘icesSD’

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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

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Language en-GB

NeedsCompilation no

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Contents

icesSD-package	2
getSD	3
sd_api	3
showStock	4

Index	5
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icesSD-package

Stock Database Web Services

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)

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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>

getSD

Get Stock List Data

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)
```

sd_api

Build a Stock Database (SD) web service url

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")
```

showStock	<i>Show Stock</i>
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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)
```

Index

`getSD`, [2](#), [3](#), [4](#)

`icesSD (icesSD-package)`, [2](#)

`icesSD-package`, [2](#)

`sd_api`, [3](#)

`showStock`, [2](#), [4](#)