Package: rfisheries (via r-universe)

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Title Programmatic Interface to the 'openfisheries.org' API

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Description A programmatic interface to 'openfisheries.org'. This package is part of the 'rOpenSci' suite (https://ropensci.org).

Depends R (>= 2.15)

Imports httr, data.table, assertthat, ggplot2, rjson

LazyData yes

URL https://docs.ropensci.org/rfisheries, https://www.github.com/ropensci/rfisheries

BugReports https://www.github.com/ropensci/rfisheries/issues/new

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`country_code_data` *country_code_data*

Description

A dataset containing full list of Country Codes. Use this dataset if loading from the web is slow.

Usage

```
data(country_code_data)
```

Format

A data table with 239 rows and 2 variables

`country_codes` *country_codes*

Description

Function has been deprecated. Now replaced by `of_country_codes`

Usage

```
country_codes()

landings()
```

fish_plot *Plots data for an rfisheries result*

Description

Plots data for an rfisheries result

Usage

```
fish_plot(x, linecolor = "steelblue", linesize = 0.9, title = NULL, ...)
```

Arguments

x	A landings dataset belonging to either a species or a country.
linecolor	Default line color is steelblue
linesize	Default line size is 0.9
title	Plot title. Title is generated based on species or country code. Specify one here only if you need something else.
...	additional arguments

Examples

```
## Not run:
fish_plot(of_landings(country = 'CAN'))
fish_plot(of_landings(species = 'COD'))

## End(Not run)
```

of_country_codes *Download full list of ISO-3166 alpha 3 country code.*

Description

Function returns a data frame with country name and iso3c code which is required by the landings function to return country specific data

Usage

```
of_country_codes(foptions = list())
```

Arguments

foptions	additional curl options

Value

data.frame

Examples

```
## Not run:
of_country_codes()

## End(Not run)
```

`of_landings` *Returns landings data from the openfisheries API*

Description

The function returns aggregate landings data if no parameters are supplied. One could get country or species-specific data by specifying either one of those options. Country must be provided as the `iso3c` code and species must be supplied as a3_code. Supporting functions `country_codes` and `species_codes` provide that data and can be combined to return data for multiple countries or species.

Usage

```
of_landings(country = NA, species = NA, foptions = list())
```

Arguments

`country`	Default is `NA`. Download country specific data by specifying the ISO-3166 alpha 3 country code.
`species`	Default is `NA`. Download species specific data by specifying the three-letter ASFIS species code
`foptions`	additional optional parameters

Value

data.frame

Examples

```
## Not run:
of_landings()
# Landings by country
of_landings(country = 'CAN')
#landings by species
of_landings(species = 'COD')

## End(Not run)
```

of_species_codes *Download species data including three-letter ASFIS species code.*

Description

Returns a data frame with scientific_name, taxocode, a3_code, isscaap, and English name. The a3_code is required by `landings` to return species specific landing data.

Usage

```
of_species_codes(foptions = list())
```

Arguments

foptions	additional optional parameters

Value

data.frame

Examples

```
## Not run:
of_species_list <- of_species_codes()

## End(Not run)
```

rfisheries-deprecated *Deprecated functions in rfisheries*

Description

- `country_codes`: service no longer provided
- `species_codes`: service no longer provided
- `landings`: service no longer provided

species_code_data *species_code_data*

Description

A dataset containing full list of Species Codes. Use this dataset if loading from the web is slow.

Usage

```
data(species_code_data)
```

Format

A data table with 11562 rows and 5 variables

species_codes *species_codes*

Description

Function now replaced by `of_species_code`

Usage

```
species_codes()
```

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