

Package: rfisheries (via r-universe)

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Title Programmatic Interface to the 'openfisheries.org' API

Version 0.2.99

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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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Repository <https://ropensci.r-universe.dev>

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country_code_data	country_code_data
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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
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Description

Function has been deprecated. Now replaced by of_country_codes

Usage

country_codes()

landings()

fish_plot	<i>Plots data for an rfisheries result</i>
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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	<i>Download full list of ISO-3166 alpha 3 country code.</i>
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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 AS-FIS 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	<i>Download species data including three-letter ASFIS species code.</i>
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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
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Value

data.frame

Examples

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

rfisheries-deprecated	<i>Deprecated functions in rfisheries</i>
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Description

- [country_codes](#): service no longer provided
- [species_codes](#): service no longer provided
- [landings](#): service no longer provided

species_code_data	<i>species_code_data</i>
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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	<i>species_codes</i>
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Description

Function now replaced by `of_species_code`

Usage

```
species_codes()
```

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