

# Package ‘rfisheries’

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**Title** 'Programmatic Interface to the 'openfisheries.org' API'

**Version** 0.2

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

**Depends** R (>= 2.15)

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

**LazyData** yes

**URL** <http://www.github.com/ropensci/rfisheries>

**BugReports** <http://www.github.com/ropensci/rfisheries/issues/new>

**License** MIT + file LICENSE

**RoxygenNote** 5.0.1

**NeedsCompilation** no

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**Repository** CRAN

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country_codes	<i>country_codes</i>
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**Description**

Function has been deprecated. Now replaced by of\_country\_codes

**Usage**

```
country_codes()
```

```
landings()
```

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country_code_data	<i>country_code_data</i>
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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

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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

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

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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)
```

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of_landings	Returns landings data from the openfisheries API
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### 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)
```

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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

**Value**

data.frame

**Examples**

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

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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

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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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<code>species_code_data</code>	<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

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