

# Package ‘GetBCBData’

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**Type** Package

**Title** Imports Datasets from BCB (Central Bank of Brazil) using Its Official API

**Version** 0.7.0

**Maintainer** Marcelo Perlin <marceloperlin@gmail.com>

**Description** Downloads and organizes datasets using BCB's API <<https://www.bcb.gov.br/>>. Offers options for caching with the 'memoise' package and , multicore/multisession with 'furr' and format of output data (long/wide).

**Depends** R (>= 3.3.0)

**Imports** stringr, utils, curl,dplyr, future, furr, jsonlite, memoise, purrr, methods

**License** GPL-2

**BugReports** <https://github.com/msperlin/GetBCBData/issues>

**URL** <https://github.com/msperlin/GetBCBData/>

**RoxygenNote** 7.2.0

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0), ggplot2

**VignetteBuilder** knitr

**Encoding** UTF-8

**Config/testthat/edition** 3

**NeedsCompilation** no

**Author** Marcelo Perlin [aut, cre]

**Repository** CRAN

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gcbcd_get_series	<i>Imports time series data from BCB-SGS System (Banco Central do Brasil, sistema de series temporais)</i>
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### Description

Using BCB's official API at <<https://www.bcb.gov.br/>>, this function will download data for a specific set of ids and dates. The main advantage is the use of caching and parallel computing for fast operations. You can search for available series at <<http://www.bcb.gov.br/?sgs>>

### Usage

```
gcbcd_get_series(
  id,
  first.date = Sys.Date() - 10 * 365,
  last.date = Sys.Date(),
  format.data = "long",
  be.quiet = FALSE,
  use.memoise = TRUE,
  cache.path = gcbcd_get_default_cache_folder(),
  do.parallel = FALSE
)
```

### Arguments

id	Id of time series. The name of the vector sets the name of the series in the output (e.g <code>i.d &lt;- c('SELIC' = 11)</code> ). You can search for ids in the official BCB-SGS webpage < <a href="http://www.bcb.gov.br/?sgs">http://www.bcb.gov.br/?sgs</a> >
first.date	First date of time series
last.date	Last date of time series
format.data	The format of the datasets - long (default, series incremented by rows) or wide (series incremented by columns)
be.quiet	Logical. Should functions output messages to screen? - FALSE (default) or TRUE
use.memoise	Logical. Sets the use of caching system - TRUE (default) or FALSE
cache.path	Path to save cache files - 'rbc2_cache' (default)
do.parallel	Logical for parallel data importation - FALSE (default)

### Value

A dataframe with requested datasets

### Examples

```
my.id <- c('Taxa de juros - Selic' = 11)
df <- gcbcd_get_series(my.id, cache.path = tempdir())
```

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