

Package ‘bgmfiles’

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Title Example BGM Files for the Atlantis Ecosystem Model

Version 0.1.0

Description A collection of box-geometry model (BGM) files for the Atlantis ecosystem model. Atlantis is a deterministic, biogeochemical, whole-of-ecosystem model (see <<http://atlantis.cmar.csiro.au/>> for more information).

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RoxygenNote 7.3.3

Suggests testthat, covr

BugReports <https://github.com/AustralianAntarcticDivision/bgmfiles/issues/>

URL <https://github.com/AustralianAntarcticDivision/bgmfiles/>

Encoding UTF-8

NeedsCompilation no

Author Michael D. Sumner [aut, cre],
Hadley Wickham [ctb]

Maintainer Michael D. Sumner <mdsumner@gmail.com>

Repository CRAN

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`bgmfiles`*bgmfiles.*

Description

Raw data files are maintained here: <https://github.com/AustralianAntarcticDivision/box-geometry-models>

Return the full paths to all files in the `extdata/bgm/` folder of this package.

Usage

```
bgmfiles(pattern = NULL)
```

Arguments

`pattern` optional pattern string to filter files returned, see [list.files](#) for details

Details

This package contains a simple workflow to update from that source repo and install the raw files into `extdata/` of the installed package.

Value

character vector of file paths

Author(s)

Maintainer: Michael D. Sumner <mdsumner@gmail.com>

Other contributors:

- Hadley Wickham [contributor]

See Also

Useful links:

- <https://github.com/AustralianAntarcticDivision/bgmfiles/>
- Report bugs at <https://github.com/AustralianAntarcticDivision/bgmfiles/issues/>

Examples

```
## obtain all example files installed
bfiles <- bgmfiles()
print(basename(bfiles))

## filter based on an input pattern
afiles <- bgmfiles(pattern = "^antarc")
print(basename(afiles))
```

```
## read all the text from all files and table raw characters
## (for no reason)
lapply(bfiles, function(x) table(unlist(strsplit(paste(readLines(x), collapse = ""), ""))))
```

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