

# Package ‘bgmfiles’

October 12, 2022

**Title** Example BGM Files for the Atlantis Ecosystem Model

**Version** 0.0.6

**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).

**License** CC0

**RoxygenNote** 5.0.1

**Suggests** testthat, covr

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

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

**NeedsCompilation** no

**Author** Michael D. Sumner [aut, cre]

**Maintainer** Michael D. Sumner <[mdsumner@gmail.com](mailto:mdsumner@gmail.com)>

**Repository** CRAN

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## Description

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

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

**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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