Package: dmir (via r-universe)

June 8, 2026

Title Download Data From DMI via the API to the Open Data

Version 0.2.5

Description Access the DMI API.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Imports curl, fs, ggplot2, glue, jsonlite, sf

Suggests rmarkdown, knitr

VignetteBuilder knitr

Depends R (>= 4.1.0)

LazyData true

Config/pak/sysreqs libabsl-dev cmake libgdal-dev gdal-bin libgeos-dev make libuv1-dev libssl-dev libproj-dev libsqlite3-dev libudunits2-dev

Repository https://ldalby.r-universe.dev

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RemoteRef HEAD

RemoteSha 93e4a5b5215ed7972e6671f46b3fc525c93633d8

Contents

daneborg *Monthly mean temperature at Daneborg Greenland*

Description

Dataset downloaded via the dmi_get_climate

Usage

```
daneborg
```

Format

A dataframe with 12 rows and 11 variables

Details

See the DMI documentation for further info.

The list column with paramterId has been stripped from the dataset. Use dmi_get_climate to get the full dataset.

dmi_check_download *Check the download from DMI API*

Description

A simple checker function which simply determines if the download was empty or not.

Usage

```
dmi_check_download(data)
```

Arguments

data	json The downloaded object from dmi_get_met or from dmi_get_climate

Value

Returns TRUE if download not empty FALSE otherwise

`dmi_get_climate` *Get climate data from DMI*

Description

Get climate data from either station or a cell from the 10km or 20km grids

Usage

```
dmi_get_climate(
  parameter = NULL,
  station_id = NULL,
  cell_id = NULL,
  date_start = NULL,
  date_end = NULL,
  time_resolution = NULL,
  limit = "10",
  api_key = NULL
)
```

Arguments

`parameter`	chr The parameter to be downloaded
`station_id`	chr The station ID
`cell_id`	chr The cell ID from the 10 km x 10 km grid "Det Danske Kvadratnet". See the documentation here. Use your browser to search for "cellId".
`date_start`	chr First date of observations to be downloaded. Use the format "2021-12-24".
`date_end`	chr Last date of observations to be downloaded. Use the format "2021-12-24"
`time_resolution`	chr Either day, month & year
`limit`	chr The max number of observations to download. Current max allowed by the API is 300000. To avoid possible issues with scientific notation in R this needs to be provided as character. Default is "10".
`api_key`	chr The API key to use in the call to the API. Use `Sys.getenv()` to supply your API key. Don't store the API in any of your @return A file (temporary) with the download.

`dmi_get_grid` *Get gridded climate data from DMI*

Description

Get gridded climate data from either 10km or the 20km grid. the 10 km x 10 km grid is also know as "Det Danske Kvadratnet".

Usage

```
dmi_get_grid(
  parameter = NULL,
  grid = NULL,
  date_start = NULL,
  date_end = NULL,
  time_resolution = NULL,
  limit = "10",
  api_key = NULL
)
```

Arguments

`parameter`	chr The parameter to be downloaded
`grid`	10km or 20km
`date_start`	chr First date of observations to be downloaded. Use the format "2021-12-24".
`date_end`	chr Last date of observations to be downloaded. Use the format "2021-12-24"
`time_resolution`	chr Either day, month & year
`limit`	chr The max number of observations to download. Current max allowed by the API is 300000. To avoid possible issues with scientific notation in R this needs to be provided as character. Default is "10".
`api_key`	chr The API key to use in the call to the API. Use `Sys.getenv()` to supply your API key. Don't store the API in any of your @return A file (temporary) with the download.

Value

A file (temporary) with the download.

dmi_get_met *Get meterological observations from DMI*

Description

Get meterological observations from DMI

Usage

```
dmi_get_met(
  parameter = NULL,
  station_id = NULL,
  date_start = NULL,
  date_end = NULL,
  limit = NULL,
  api_key = NULL
)
```

Arguments

parameter	chr The parameter to be downloaded
station_id	chr The station ID
date_start	chr First date of observations to be downloaded. Use the format "2021-12-24"
date_end	chr Last date of observations to be downloaded. Use the format "2021-12-24"
limit	chr The max number of observations to download. Current max allowed by the API is 300000. To avoid possible issues with scientific notation in R this needs to be provided as character.
api_key	chr The API key to use in the call to the API. Use `Sys.getenv()` to supply your API key. Don't store the API in any of your scripts.

Value

A file (temporary) with the download.

dmi_get_stations *Get stations from DMI*

Description

Download all DMI stations from Denmark and Greenland via the API

Usage

```
dmi_get_stations(api_key = NULL)
```

Arguments

`api_key`	chr The API key to use in the call to the API. Use `Sys.getenv()` to supply your API key. Don't store the API key in any of your scripts.

Value

A Simple Feature data set with the stations

`grid_10km` *"Det Danske Kvadratnet" at 10 km resolution.*

Description

The grid is available at DMI Open Data Made available via `dmir` for convenience.

Usage

```
grid_10km
```

Format

A Simple feature collection with 609 features two columns:

cell_id chr, CellID from the DMI grid

dmu_dmi_cell_id int, The cellID from the DMI grid avialable via the DMI service provided to AU via the NOVANA program. See novana.dmi.dk

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`grid_20km` *"Det Danske Kvadratnet" at 20 km resolution.*

Description

The grid is available at DMI Open Data Made available via `dmir` for convenience.

Usage

```
grid_20km
```

Format

A Simple feature collection with 178 features two columns:

cell_id chr, CellID from the DMI grid

dmu_dmi_cell_id int, The cellID from the DMI grid avialable via the DMI service provided to AU via the NOVANA program. See novana.dmi.dk

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