Package 'IsoMemo'

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Title Retrieve Data using the 'IsoMemo' API

Version 23.10.1

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Description API wrapper that contains functions to retrieve data from the 'IsoMemo' partner-ship databases. Web services for API: <https://isomemodb.com/api/v1/iso-data>.

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BugReports https://github.com/Pandora-IsoMemo/isomemo-data/issues

License GPL (>= 3)

Encoding UTF-8

Depends R (>= 3.5.0)

Imports curl, jsonlite, modules

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

RoxygenNote 7.2.3

VignetteBuilder knitr

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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R topics documented:

callAPI	*Call API*

Description

Call API

Usage

```
callAPI(action, ...)
```

Arguments

action	(character) name of the endpoint, one of "mapping-ids", "dbsources", "iso-data" or "mapping"
...	parameters for the endpoint, e.g. mappingId = "IsoMemo", dbsource = "LiVES", field = "site,longitude", ...

getData	*API wrapper that fetches data from IsoMemo Applications*

Description

Data retrieval for databases within the IsoMemo initiative (https://isomemo.com/). Given the parameters Database name, category names, and field names.

Usage

```
getData(
  db = getDatabaseList(mapping = "IsoMemo"),
  category = NULL,
  field = NULL,
  mapping = "IsoMemo"
)
```

Arguments

db	(character) database options: "14CSea" "CIMA" "IntChron" "LiVES"
category	(character) domain specific categories of fields to retrieve: "Dating info","Isotopic proxies." If set to NULL (default) all categories are returned
field	(character) fields to return. If set to NULL (default) all fields will be returned
mapping	(character) Optionally, provide a specific mapping in order to obtain a list of databases only for that mapping. Check available mapping ids with getMappings()

Value

A data frame containing the requested databases, category domains, and variables of interest from the user

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getDatabaseList   *Get Database List*

Description

Get Database List

Usage

```
getDatabaseList(mapping = "IsoMemo")
```

Arguments

mapping   (character) Optionally, provide a specific mapping in order to obtain a list of databases only for that mapping. Check available mapping ids with getMappings()

Value

A character vector with all available databases

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getFields   *Get field mapping table*

Description

Get field mapping table

Usage

```
getFields(mapping = "IsoMemo", colnamesAPI = FALSE)
```

Arguments

mapping   (character) Optionally, provide a specific mapping in order to obtain a list of databases only for that mapping. Check available mapping ids with getMappings()

colnamesAPI   (logical) Optionally, return a dataframe with the column names as they come from the 'IsoMemo' API

Value

A data frame that describes data field name, data type, and domain category

getMappings   *Get Mappings*

Description

Get all available mapping ids

Usage

```
getMappings()
```

Value

A character vector with all available mapping ids

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