

# 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' partnership 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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callAPI	<i>Call API</i>
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**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", ...

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getData	<i>API wrapper that fetches data from IsoMemo Applications</i>
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**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	<i>Get Database List</i>
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**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()
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**Value**

A character vector with all available databases

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getFields	<i>Get field mapping table</i>
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**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

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`getMappings`*Get Mappings*

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**Description**

Get all available mapping ids

**Usage**

```
getMappings()
```

**Value**

A character vector with all available mapping ids

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