

# Package ‘TopicFundeR’

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**Type** Package

**Title** Aquire information about funded persons and projects in the  
DFG-Database

**Version** 0.1.3

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**Description** TopicFundeR let's you search and save information located in the GEPRIS-  
Database of the German Research Foundation (Deutsche Forschungsgemeinschaft)

**License** GLP-2

**Encoding** UTF-8

**LazyData** true

**Imports** xml2, rvest, dplyr, stringr, httr, igraph

**Suggests** robotstxt, purrr, pbapply

**RoxygenNote** 6.0.1

**URL** <http://github.com/NicoB-UOL/TopicFunder>

**BugReports** <http://github.com/NicoB-UOL/TopicFunder/issues>

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faster

*TopicFundeR*


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### Description

This function has the same properties as "findeR" except that it takes an additional parameter (id\_only)

### Usage

```
faster(x, reqtime = 0, id_only = FALSE)
```

### Arguments

x	A name put in quotation marks.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.
id_only	If TRUE, returns only a vector containg the ID.

### Value

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable.

### Examples

```
names <- c("name1", "name2", "name3", "...")
id <- sapply(names, faster, reqtime = 5, id_only = TRUE)
```

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findeR

*TopicFundeR*


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### Description

Search the GEPRIS-Database for a name and extract the information. FindeR and find\_info are best used for single names and IDs. For multiple values use faster and wrap\_it for convenience.

### Usage

```
findeR(x, reqtime = 0)
```

### Arguments

x	A name put in quotation marks.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.

**Value**

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable

**Examples**

```
findeR("Name Surname", reqtime = 5)
findeR("Name")
```

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find_info	<i>TopicFundeR</i>
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**Description**

Extract additional information based on a person's ID. FindeR and find\_info are best used for single names and IDs. For multiple values use faster and wrap\_it for convenience.

**Usage**

```
find_info(x, reqtime = 0)
```

**Arguments**

x	A numeric ID.
reqtime	A integer number specifying the seconds to wait between requests. Default is set to 0.

**Value**

Returns a dataframe with additional project variables, such as number of projects, name of the projects and their corresponding IDs

**Examples**

```
find_info(id)
x <- findeR("name")
y <- find_info(x$id)
z <- dplyr::left_join(y, x)
```

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`pasteR`*TopicFunder*

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**Description**

Paste long strings neatly to console in order to fit the limits of your screen

**Usage**

```
pasteR(x, lengthline = 65)
```

**Arguments**

<code>x</code>	A string or a input coercible to one
<code>lengthline</code>	integer describing the wanted number of characters in each line

**Examples**

```
pasteR(long_link)
```

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`plotteR`*TopicFunder*

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**Description**

Plots a rudimental network. Either a bipartite or normal one.

**Usage**

```
plotteR(df, bipartite = FALSE, plotting = TRUE)
```

**Arguments**

<code>bipartite</code>	If TRUE returns a two-mode network, otherwise a one-mode network
<code>plotting</code>	If TRUE the network will be plotted (default option). Otherwise the two-mode-graph is returned.
<code>x</code>	A Dataframe.

**Value**

Plots a Network to viewer.

**Examples**

```
plotteR(df)
```

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steps	<i>TopicFundeR</i>
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**Description**

Takes a project ID and extracts the involved scientists. Wraps around `wrap_it`.

**Usage**

```
steps(project_id, reptime = 0)
```

**Arguments**

reptime	A integer number specifying the seconds to wait between requests. Default is set to 0.
x	A numeric ID.

**Value**

Returns a dataframe consisting of informations about all joined in scientists.

**Examples**

```
df <- steps(id, reptime = 2)
```

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steps2	<i>TopicFundeR</i>
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**Description**

Takes a project ID or ID of a person and extracts the involved scientists. Wraps around `wrap_it`.

**Usage**

```
steps2(project_id, reptime = 0, texts = FALSE, projects = FALSE)
```

**Arguments**

reptime	A integer number specifying the seconds to wait between requests. Default is set to 0.
x	A numeric ID.

**Value**

Returns a dataframe consisting of informations about all joined in scientists and conditionally project-texts.

**Examples**

```
df <- steps2(person_id, reqtime = 2, texts = TRUE, projects = FALSE)
df <- steps2(project_id, reqtime = 2, texts = TRUE, projects = TRUE)
```

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`wrap_it`*TopicFundeR*

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**Description**

Used for extracting information of \textit{multiple IDs}.

**Usage**

```
wrap_it(ids, reqtime = 0)
```

**Arguments**

<code>ids</code>	Vector containing IDs
<code>reqtime</code>	A integer number specifying the seconds to wait between requests. Default is set to 0. Recommended is 5.

**Value**

Returns a dataframe consisting of a ID-Variable, the name-Variable and the input-Variable and several others.

**Examples**

```
wrap_it(ids, reqtime = 5)
```

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