

# Package ‘fedreporter’

October 3, 2017

**Version** 0.2.1

**Title** Interface to Federal 'RePORTER' API

**Description** Downloads data from Federal 'RePORTER'  
<<https://api.federalreporter.nih.gov/>> using the Federal 'RePORTER' API.  
Allows the user to search job projects from different government agencies.

**License** GPL-3

**Imports** htrr, jsonlite

**Suggests** knitr, rmarkdown, covr, testthat

**Encoding** UTF-8

**LazyData** true

**ByteCompile** true

**Type** Package

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**URL** <https://github.com/muschellij2/fedreporter>

**BugReports** <https://github.com/muschellij2/fedreporter/issues>

**RoxygenNote** 6.0.1.9000

**NeedsCompilation** no

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**Repository** CRAN

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fe_agencies	<i>Agency arguments for Federal Reporters</i>
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**Description**

Agency arguments for Federal Reporters

**Usage**

fe\_agencies

**Format**

A character vector

**Note**

See <https://api.federalreporter.nih.gov/html/Agencies.html>

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fe_base_url	<i>Federal Exporter Base URL</i>
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**Description**

Federal Exporter Base URL

**Usage**

fe\_base\_url(secure = TRUE)

**Arguments**

secure            Should https be used (may be necessary)

**Value**

Character vector (length 1) of URL

**Examples**

```
fe_base_url()
```

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fe_projects	<i>Federal RePORTER projects</i>
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**Description**

Federal RePORTER projects

**Usage**

```
fe_projects(nih_id = NULL, internal_id = NULL, project_number = NULL,  
           verbose = TRUE, secure = TRUE)
```

**Arguments**

nih_id	global identifier for a project across all NIH systems that handle research projects/grants data. Example, 8828294.
internal_id	internal Federal RePORTER generated unique ID associated with each project. It is available as part of export on Federal RePORTER search results. Example, 739576.
project_number	unique number that is assigned to a project by the affiliated federal agency. Examples: '5R01MH092950-05', '1R01CA183929-01A1', 'USFS-0000779'.
verbose	print diagnostic messages
secure	passed to <a href="#">fe_base_url</a> for https

**Value**

List of the result of the [GET](#) call and the content

**Note**

See [https://api.federalreporter.nih.gov/#!/Projects/Get\\_Project](https://api.federalreporter.nih.gov/#!/Projects/Get_Project)

**Examples**

```
res = fe_projects(project_number = "5R01MH092950-05")
```

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fe\_projects\_multiple *Fetch multiple projects by internal Federal RePORTER IDs (SM ID or Project Numbers)*

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### Description

Fetch multiple projects by internal Federal RePORTER IDs (SM ID or Project Numbers)

### Usage

```
fe_projects_multiple(internal_id = NULL, project_number = NULL,  
secure = TRUE)
```

### Arguments

`internal_id` internal Federal 'RePORTER' generated unique ID associated with each project. It is available as part of export on Federal RePORTER search results. Example, 739576.

`project_number` unique number that is assigned to a project by the affiliated federal agency. Examples: '5R01MH092950-05', '1R01CA183929-01A1', 'USFS-0000779'.

`secure` passed to [fe\\_base\\_url](#) for https

### Value

List of the result of the [GET](#) call and the content

### Note

See [https://api.federalreporter.nih.gov/#!/Projects/Get\\_Project](https://api.federalreporter.nih.gov/#!/Projects/Get_Project), this calls POST /v1/projects/FetchBySmAp

### Examples

```
res = fe_projects_multiple(  
  project_number = c("5R01MH092950-05", "USFS-0000779")  
)  
res = fe_projects_multiple(  
  internal_id = c("739576", "739577")  
)
```

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 fe\_projects\_search      *Search Federal RePORTER Projects*


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**Description**

Search Federal RePORTER Projects

**Usage**

```
fe_projects_search(project_number = NULL, fiscal_year = NULL, text = NULL,
  text_field = c("title", "abstract", "terms"), text_operator = c("AND",
  "OR"), agency = NULL, pi_name = NULL, offset = 1, limit = 50,
  verbose = TRUE, secure = TRUE)
```

**Arguments**

project_number	unique number that is assigned to a project by the affiliated federal agency. Examples, 5R01MH092950-05, 1R01CA183929-01A1, USFS-0000779. Can also use wildcards such as *R01*.
fiscal_year	Fiscal year of data to obtain
text	Search text from title, abstract, and terms data
text_field	text field to search, can be title, abstract or terms, and defaults to search all. Only enabled when text is not NULL.
text_operator	Text operator to combine text terms, Can be AND or OR, AND is default. Only enabled when text is not NULL.
agency	Agency code to search. see <a href="#">fe_agencies</a>
pi_name	Principal investigator name. Names are to be in the Last First M, Last, First, First, Last, or First Last formats. Multiple names can be given.
offset	start at item # (starts at 1)
limit	max # of items to return (at the most 50 per request)
verbose	print diagnostic messages
secure	Should https be used, passed to <a href="#">fe_base_url</a>

**Value**

List of the result of the [GET](#) call and the content

**Examples**

```
res = fe_projects_search(
  project_number = "USFS*",
  fiscal_year = 2012)
res = fe_projects_search(
  project_number = "*R01*",
  fiscal_year = 2012,
```

```
agency = "NIH",
text = "stroke",
text_field = "title")

## Not run:
res = fe_projects_search(pi_name = "MATSUI, ELIZABETH")
items = res$content$items
con_pis = sapply(items, "[", "contactPi")
keep = grepl("^MATSUI", con_pis)
items = items[keep]
mat_costs = sapply(items, "[", "totalCostAmount")
sum(mat_costs)

res = fe_projects_search(pi_name = "PENG, ROGER")
items = res$content$items
con_pis = sapply(items, "[", "contactPi")
keep = grepl("^PENG", con_pis)
items = items[keep]
peng_costs = sapply(items, "[", "totalCostAmount")
sum(peng_costs)

both = fe_projects_search(
pi_name = c("MATSUI, ELIZABETH", "PENG, ROGER"))

## End(Not run)
```

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## \*Topic **datasets**

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