# Package 'ROpenFLUID'

December 15, 2014

**Type** Package

**Title** Package for using OpenFLUID within the GNU R environment

**Version** 2.0.2-20141215

**Date** 2014-12-15

**Author** Jean-Christophe Fabre <fabrejc@supagro.inra.fr>

**Maintainer** Jean-Christophe Fabre <fabrejc@supagro.inra.fr>

**Description** This package allows to load, parameterize, run and analyze OpenFLUID simulations within the GNU R environment

**URL** http://www.openfluid-project.org

**License** GPL-3 + file LICENSE

**Depends** R (>= 2.6.2), RUnit

**LazyLoad** yes

## R topics documented:

---

`OpenFLUID.addExtraObserversPaths`
*Adds paths to search for observers*

---

## Description

Adds paths to search for observers

## Usage

```
OpenFLUID.addExtraObserversPaths(paths)
```

## Arguments

| | |
|---|---|
| `paths` | the colon separated paths to add |

### See Also

OPENFLUID.getObserversPaths

OPENFLUID.getExtraObserversPaths

OPENFLUID.resetExtraObserversPaths

### Examples

```
## Not run:
OPENFLUID.addExtraObserversPaths("/first/path/to/add")
OPENFLUID.addExtraObserversPaths("/second/path/to/add":/third/path/to/add")

## End(Not run)
```

---

## OpenFLUID.addExtraSimulatorsPaths

*Adds paths to search for simulators*

---

### Description

Adds paths to search for simulators

### Usage

```
OpenFLUID.addExtraSimulatorsPaths(paths)
```

### Arguments

| | |
|---|---|
| paths | the colon separated paths to add |

### See Also

OpenFLUID.getSimulatorsPaths

OpenFLUID.getExtraSimulatorsPaths

OPENFLUID.resetExtraSimulatorsPaths

### Examples

```
## Not run:
OpenFLUID.addExtraSimulatorsPaths("/first/path/to/add")
OpenFLUID.addExtraSimulatorsPaths("/second/path/to/add:/third/path/to/add")

## End(Not run)
```

---

`OpenFLUID.addVariablesExportAsCSV`
*Adds export of simulation variables as CSV files for a given units class*

---

## Description

Adds export of simulation variables as CSV files for a given units class

## Usage

```
OpenFLUID.addVariablesExportAsCSV(ofblob, unitclass)
```

## Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `unitclass` | the units class to add for simulation variables export |

## See Also

`OpenFLUID.loadResult`

## Examples

```
## Not run:
OpenFLUID.addVariablesExportAsCSV("TU")
OpenFLUID.addVariablesExportAsCSV("RS")

## End(Not run)
```

---

`OpenFLUID.createAttribute`
*Creates an attribute for all spatial units of a class, initialized with a default value*

---

## Description

Creates an attribute for all spatial units of a class, initialized with a default value

## Usage

```
OpenFLUID.createAttribute(ofblob, unitclass, attrname, attrval)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| unitclass | the unit class |
| attrname | the attribute name |
| attrval | the default attribute value for alla units |

### See Also

OpenFLUID.getAttribute

OpenFLUID.setAttribute

OpenFLUID.removeAttribute

### Examples

```
## Not run:
OpenFLUID.createAttribute(ofsim,"SU","area",1.0)
OpenFLUID.createAttribute(ofsim,"SU","code","NONE")

## End(Not run)
```

---

## OpenFLUID.getAttribute

*Returns an attribute value for a given spatial unit*

---

### Description

Returns an attribute value for a given spatial unit

### Usage

```
OpenFLUID.getAttribute(ofblob, unitclass, unitid, attrname)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| unitclass | the unit class |
| unitid | the unit ID |
| attrname | the name of the attribute |

### Value

the attribute value

### See Also

OpenFLUID.createAttribute

OpenFLUID.setAttribute

OpenFLUID.removeAttribute

### Examples

```
## Not run:
val = OpenFLUID.getAttribute(ofsim,"SU",18,"length")

## End(Not run)
```

---

## OpenFLUID.getDefaultDeltaT

*Returns the simulation time step*

---

### Description

Returns the simulation time step

### Usage

```
OpenFLUID.getDefaultDeltaT(ofblob)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |

### Value

the time step value in seconds

### See Also

OpenFLUID.setDefaultDeltaT

### Examples

```
## Not run:
deltat = OpenFLUID.getDefaultDeltaT(ofsim)

## End(Not run)
```

`OpenFLUID.getExtraObserversPaths`
*Returns the added paths to search for observers*

## Description

Returns the added paths to search for observers

## Usage

```
OpenFLUID.getExtraObserversPaths()
```

## Value

a vector of paths

## See Also

`OpenFLUID.addExtraObserversPaths`

`OpenFLUID.getObserversPaths`

`OPENFLUID.resetExtraObserversPaths`

## Examples

```
## Not run:
paths = OpenFLUID.getExtraObserversPaths()

## End(Not run)
```

`OpenFLUID.getExtraSimulatorsPaths`
*Returns the added paths to search for simulators*

## Description

Returns the added paths to search for simulators

## Usage

```
OpenFLUID.getExtraSimulatorsPaths()
```

## Value

a vector of paths

### See Also

`OpenFLUID.addExtraSimulatorsPaths`

`OpenFLUID.getSimulatorsPaths`

`OPENFLUID.resetExtraSimulatorsPaths`

### Examples

```
## Not run:
paths = OpenFLUID.getExtraSimulatorsPaths()

## End(Not run)
```

---

## `OpenFLUID.getGeneratorParam`

*Returns a generator parameter value*

---

### Description

Returns a generator parameter value

### Usage

```
OpenFLUID.getGeneratorParam(ofblob, unitclass, varname, paramname)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `unitclass` | the unit class to which the generator is applied |
| `varname` | the variable name to which the generator is applied |
| `paramname` | the name of the parameter |

### Value

the parameter value

### See Also

`OpenFLUID.setGeneratorParam`

### Examples

```
## Not run:
val = OpenFLUID.getGeneratorParam(ofsim,"SU","var.flux","fixedvalue")

## End(Not run)
```

---

`OpenFLUID.getModelGlobalParam`

*Returns a model global parameter value*

---

### Description

Returns a model global parameter value

### Usage

```
OpenFLUID.getModelGlobalParam(ofblob, paramname)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `paramname` | the name of the parameter |

### Value

the parameter value

### See Also

`OpenFLUID.setModelGlobalParam`

`OpenFLUID.removeModelGlobalParam`

### Examples

```
## Not run:
val = OpenFLUID.getModelGlobalParam(ofsim,"gvalue")

## End(Not run)
```

---

`OpenFLUID.getObserverParam`

*Returns an observer parameter value*

---

### Description

Returns an observer parameter value

### Usage

```
OpenFLUID.getObserverParam(ofblob, obsid, paramname)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| obsid | the observer ID |
| paramname | the name of the parameter |

### Value

the parameter value

### See Also

OpenFLUID.setObserverParam

OpenFLUID.removeObserverParam

### Examples

```
## Not run:
val = OpenFLUID.getObserverParam(ofsim,"my.observer","value")

## End(Not run)
```

---

## OpenFLUID.getObserversPaths

*Returns the paths to search for observers*

---

### Description

Returns the paths to search for observers

### Usage

```
OpenFLUID.getObserversPaths()
```

### Value

a vector of paths

### See Also

OpenFLUID.addExtraObserversPaths

OpenFLUID.getExtraObserversPaths

OPENFLUID.resetExtraObserversPaths

### Examples

```
## Not run:
paths = OpenFLUID.getObserversPaths()

## End(Not run)
```

---

`OpenFLUID.getPeriodBeginDate`
*Returns the simulation period begin date*

---

### Description

Returns the simulation period begin date

### Usage

```
OpenFLUID.getPeriodBeginDate(ofblob)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |

### Value

the begin date as an ISO datetime string (%Y-%m-%d %H:%M:%S)

### See Also

`OpenFLUID.setPeriodBeginDate`

`OpenFLUID.getPeriodEndDate`

`OpenFLUID.setPeriodEndDate`

### Examples

```
## Not run:
bdate = OpenFLUID.getPeriodBeginDate(ofsim)

## End(Not run)
```

---

`OpenFLUID.getPeriodEndDate`

*Returns the simulation period end date*

---

### Description

Returns the simulation period end date

### Usage

```
OpenFLUID.getPeriodEndDate(ofblob)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |

### Value

the end date as an ISO datetime string (%Y-%m-%d %H:%M:%S)

### See Also

`OpenFLUID.setPeriodEndDate`

`OpenFLUID.getPeriodBeginDate`

`OpenFLUID.setPeriodBeginDate`

### Examples

```
## Not run:
edate = OpenFLUID.getPeriodEndDate(ofsim)

## End(Not run)
```

---

`OpenFLUID.getSimulatorParam`

*Returns a simulator parameter value*

---

### Description

Returns a simulator parameter value

### Usage

```
OpenFLUID.getSimulatorParam(ofblob, simid, paramname)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `simid` | the simulator ID |
| `paramname` | the name of the parameter |

### Value

the parameter value

### See Also

`OpenFLUID.setSimulatorParam`

`OpenFLUID.removeSimulatorParam`

### Examples

```
## Not run:
val = OpenFLUID.getSimulatorParam(ofsim,"my.simulator","coeff")

## End(Not run)
```

---

## `OpenFLUID.getSimulatorsPaths`

*Returns the paths to search for simulators*

---

### Description

Returns the paths to search for simulators

### Usage

```
OpenFLUID.getSimulatorsPaths()
```

### Value

a vector of paths

### See Also

`OpenFLUID.addExtraSimulatorsPaths`

`OpenFLUID.getExtraSimulatorsPaths`

`OPENFLUID.resetExtraSimulatorsPaths`

### Examples

```
## Not run:
paths = OpenFLUID.getSimulatorsPaths()

## End(Not run)
```

---

`OpenFLUID.getUnitsClasses`
*Returns the existing units classes*

---

### Description

Returns the existing units classes

### Usage

```
OpenFLUID.getUnitsClasses(ofblob)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |

### Value

a vector of units classes

### See Also

`OpenFLUID.getUnitsIDs`

### Examples

```
## Not run:
cls = OpenFLUID.getUnitsClasses(ofsim)

## End(Not run)
```

---

`OpenFLUID.getUnitsIDs`

*Returns the existing units IDs for a given units class*

---

### Description

Returns the existing units IDs for a given units class

### Usage

```
OpenFLUID.getUnitsIDs(ofblob, unitclass)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `unitclass` | the units class |

### Value

a vector of units IDs

### See Also

`OpenFLUID.getUnitsClasses`

### Examples

```
## Not run:
ids = OpenFLUID.getUnitsIDs(ofsim,"SU")

## End(Not run)
```

---

`OpenFLUID.getVersion`

*Returns the OpenFLUID version*

---

### Description

Returns the OpenFLUID version

### Usage

```
OpenFLUID.getVersion()
```

### Value

the OpenFLUID version number

### Examples

```
## Not run:
v = OpenFLUID.getVersion()

## End(Not run)
```

---

`OpenFLUID.loadResult`
*Loads results as a dataframe, giving dataset informations*

---

### Description

Loads results as a dataframe, giving dataset informations

### Usage

```
OpenFLUID.loadResult(ofblob, unitclass, unitid, varname)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `unitclass` | the unit class |
| `unitid` | the unit ID |
| `varname` | the variable name |

### Value

a dataframe containing the simulation results

### See Also

`OpenFLUID.loadResultFile`

### Examples

```
## Not run:
resSU18 = OpenFLUID.loadResult(ofsim,"SU",18,"runoff")
resRS1 = OpenFLUID.loadResult(ofsim,"RS",1,"waterlevel")

## End(Not run)
```

## OpenFLUID.loadResultFile

*Loads results as a dataframe, giving output file name*

### Description

Loads results as a dataframe, giving output file name

### Usage

```
OpenFLUID.loadResultFile(filepath)
```

### Arguments

| | |
|---|---|
| filepath | the full path of file to load |

### Value

a dataframe containing the simulation results

### See Also

OpenFLUID.loadResult

### Examples

```
## Not run:
resSU18 = OpenFLUID.loadResultFile("/path/to/output/SU18_full.out")
resRS1 = OpenFLUID.loadResultFile("/path/to/output/RS1_waterlevel.out")

## End(Not run)
```

## OpenFLUID.openDataset

*Opens a dataset and returns a simulation definition blob*

### Description

Opens a dataset and returns a simulation definition blob

### Usage

```
OpenFLUID.openDataset(path)
```

### Arguments

| | |
|---|---|
| path | the full path of the dataset to open |

### Value

a simulation definition blob

### See Also

`OpenFLUID.openProject`

`OpenFLUID.runSimulation`

### Examples

```
## Not run:
ofsim = OpenFLUID.openDataset("/path/to/dataset")

## End(Not run)
```

---

## `OpenFLUID.openProject`

*Opens a project and returns a simulation definition blob*

---

### Description

Opens a project and returns a simulation definition blob

### Usage

```
OpenFLUID.openProject(path)
```

### Arguments

| | |
|---|---|
| `path` | the full project to open |

### Value

a simulation definition blob

### See Also

`OpenFLUID.openDataset`

`OpenFLUID.runProject`

### Examples

```
## Not run:
ofsim = OpenFLUID.openProject("/path/to/project")

## End(Not run)
```

## OpenFLUID.printSimulationInfo

*Prints informations to screen about simulation definition blob*

### Description

Prints informations to screen about simulation definition blob

### Usage

```
OpenFLUID.printSimulationInfo(ofblob)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |

### Examples

```
## Not run:
OpenFLUID.printSimulationInfo(ofsim)

## End(Not run)
```

## OpenFLUID.removeAttribute

*Removes an attribute value for a given spatial unit*

### Description

Removes an attribute value for a given spatial unit

### Usage

```
OpenFLUID.removeAttribute(ofblob, unitclass, attrname)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| unitclass | the unit class |
| attrname | the name of the attribute |

### See Also

OpenFLUID.createAttribute
OpenFLUID.getAttribute
OpenFLUID.setAttribute

### Examples

```
## Not run:
OpenFLUID.removeAttribute(ofsim,"SU","length")

## End(Not run)
```

---

`OpenFLUID.removeModelGlobalParam`
*Removes a model global parameter value*

---

### Description

Removes a model global parameter value

### Usage

```
OpenFLUID.removeModelGlobalParam(ofblob, paramname)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `paramname` | the name of the parameter |

### See Also

`OpenFLUID.getModelGlobalParam`

`OpenFLUID.setModelGlobalParam`

### Examples

```
## Not run:
OpenFLUID.removeModelGlobalParam(ofsim,"gvalue")

## End(Not run)
```

## OpenFLUID.removeObserverParam

*Removes a observer parameter*

### Description

Removes a observer parameter

### Usage

```
OpenFLUID.removeObserverParam(ofblob, obsid, paramname)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| obsid | the simulation observer id |
| paramname | the name of the parameter |

### See Also

OpenFLUID.getObserverParam

OpenFLUID.setObserverParam

### Examples

```
## Not run:
OpenFLUID.removeObserverParam(ofsim,"my.observer","value")

## End(Not run)
```

## OpenFLUID.removeSimulatorParam

*Removes a simulator parameter*

### Description

Removes a simulator parameter

### Usage

```
OpenFLUID.removeSimulatorParam(ofblob, simid, paramname)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| simid | the simulation simulator id |
| paramname | the name of the parameter |

### See Also

OpenFLUID.getSimulatorParam

OpenFLUID.setSimulatorParam

### Examples

```
## Not run:
OpenFLUID.removeSimulatorParam(ofsim,"my.simulator","coeff")

## End(Not run)
```

---

## OpenFLUID.resetExtraObserversPaths

*Resets list of added paths to search for observers*

---

### Description

Resets list of added paths to search for observers

### Usage

```
OpenFLUID.resetExtraObserversPaths()
```

### See Also

OPENFLUID.addExtraObserversPaths

OPENFLUID.getObserversPaths

OPENFLUID.getExtraObserversPaths

### Examples

```
## Not run:
OPENFLUID.resetExtraObserversPaths()

## End(Not run)
```

`OpenFLUID.resetExtraSimulatorsPaths`
*Resets list of added paths to search for simulators*

## Description

Resets list of added paths to search for simulators

## Usage

```
OpenFLUID.resetExtraSimulatorsPaths()
```

## See Also

`OPENFLUID.addExtraSimulatorsPaths`

`OPENFLUID.getSimulatorsPaths`

`OPENFLUID.getExtraSimulatorsPaths`

## Examples

```
## Not run:
OPENFLUID.resetExtraSimulatorsPaths()

## End(Not run)
```

`OpenFLUID.runProject`
*Runs a project and returns a simulation definition blob*

## Description

Runs a project and returns a simulation definition blob

## Usage

```
OpenFLUID.runProject(path)
```

## Arguments

| | |
|---|---|
| `path` | the full path of the dataset to open |

## Value

a simulation definition blob

### See Also

`OpenFLUID.runSimulation`

`OpenFLUID.openProject`

### Examples

```
## Not run:
ofsim = OpenFLUID.runProject("/path/to/dataset")

## End(Not run)
```

---

## `OpenFLUID.runSimulation` *Runs a simulation from a simulation definition blob*

---

### Description

Runs a simulation from a simulation definition blob

### Usage

```
OpenFLUID.runSimulation(ofblob)
```

### Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |

### See Also

`OpenFLUID.runProject`

`OpenFLUID.openProject`

`OpenFLUID.openDataset`

### Examples

```
## Not run:
OpenFLUID.runSimulation(ofsim)

## End(Not run)
```

---

`OpenFLUID.setAttribute`

*Sets an attribute value for a given spatial unit*

---

## Description

Sets an attribute value for a given spatial unit

## Usage

```
OpenFLUID.setAttribute(ofblob, unitclass, unitid, attrname, attrval)
```

## Arguments

| | |
|---|---|
| `ofblob` | the simulation definition blob |
| `unitclass` | the unit class |
| `unitid` | the unit ID |
| `attrname` | the name of the attribute |
| `attrval` | the value of the attribute |

## See Also

`OpenFLUID.createAttribute`

`OpenFLUID.getAttribute`

`OpenFLUID.removeAttribute`

## Examples

```
## Not run:
OpenFLUID.setAttribute(ofsim,"SU",18,"length",12.3)
OpenFLUID.setAttribute(ofsim,"SU",18,"CODE","ABC")

## End(Not run)
```

---

`OpenFLUID.setCurrentOutputDir`

*Sets the current output directory for simulations*

---

## Description

Sets the current output directory for simulations

## Usage

```
OpenFLUID.setCurrentOutputDir(path)
```

### Arguments

| | |
|---|---|
| path | the output directory path |

### Examples

```
## Not run:
OpenFLUID.setCurrentOutputDir("/path/to/output")

## End(Not run)
```

---

## OpenFLUID.setDefaultDeltaT

*Sets the simulation time step*

---

### Description

Sets the simulation time step

### Usage

```
OpenFLUID.setDefaultDeltaT(ofblob, deltat)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| deltat | the time step value in seconds |

### See Also

OpenFLUID.getDefaultDeltaT

### Examples

```
## Not run:
OpenFLUID.setDefaultDeltaT(60)
OpenFLUID.setDefaultDeltaT(86400)

## End(Not run)
```

## OpenFLUID.setGeneratorParam

*Sets a generator parameter value*

### Description

Sets a generator parameter value

### Usage

```
OpenFLUID.setGeneratorParam(ofblob, unitclass, varname, paramname, paramval)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| unitclass | the unit class to which the generator is applied |
| varname | the variable name to which the generator is applied |
| paramname | the name of the parameter |
| paramval | the value of the parameter |

### See Also

OpenFLUID.getGeneratorParam

### Examples

```
## Not run:
OpenFLUID.setGeneratorParam(ofsim,"SU","var.flux","fixedvalue",12.3)

## End(Not run)
```

## OpenFLUID.setModelGlobalParam

*Sets a model global parameter value*

### Description

Sets a model global parameter value

### Usage

```
OpenFLUID.setModelGlobalParam(ofblob, paramname, paramval)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| paramname | the name of the parameter |
| paramval | the value of the parameter |

### See Also

OpenFLUID.getModelGlobalParam

OpenFLUID.removeModelGlobalParam

### Examples

```
## Not run:
OpenFLUID.setModelGlobalParam(ofsim,"gvalue",37.2)

## End(Not run)
```

---

## OpenFLUID.setObserverParam

*Sets an observer parameter value*

---

### Description

Sets an observer parameter value

### Usage

```
OpenFLUID.setObserverParam(ofblob, obsid, paramname, paramval)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| obsid | the simulation observer id |
| paramname | the name of the parameter |
| paramval | the parameter value |

### See Also

OpenFLUID.getObserverParam

OpenFLUID.removeObserverParam

### Examples

```
## Not run:
OpenFLUID.setObserverParam(ofsim,"my.observer","value",3)

## End(Not run)
```

## OpenFLUID.setPeriodBeginDate

*Sets the simulation period begin date*

### Description

Sets the simulation period begin date

### Usage

```
OpenFLUID.setPeriodBeginDate(ofblob, begindate)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| begindate | the begin date as an ISO datetime string (%Y-%m-%d %H:%M:%S) |

### See Also

OpenFLUID.getPeriodBeginDate

OpenFLUID.setPeriodEndDate

OpenFLUID.getPeriodEndDate

### Examples

```
## Not run:
OpenFLUID.setPeriodBeginDate(ofsim,"1997-06-05 04:00:00")

## End(Not run)
```

## OpenFLUID.setPeriodEndDate

*Sets the simulation period end date*

### Description

Sets the simulation period end date

### Usage

```
OpenFLUID.setPeriodEndDate(ofblob, enddate)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| enddate | the end date as an ISO datetime string (%Y-%m-%d %H:%M:%S) |

### See Also

OpenFLUID.getPeriodEndDate

OpenFLUID.setPeriodBeginDate

OpenFLUID.getPeriodBeginDate

### Examples

```
## Not run:
OpenFLUID.setPeriodEndDate(ofsim,"1997-06-05 16:07:17")

## End(Not run)
```

---

## OpenFLUID.setSimulatorParam

*Sets a simulator parameter value*

---

### Description

Sets a simulator parameter value

### Usage

```
OpenFLUID.setSimulatorParam(ofblob, simid, paramname, paramval)
```

### Arguments

| | |
|---|---|
| ofblob | the simulation definition blob |
| simid | the simulation simulator id |
| paramname | the name of the parameter |
| paramval | the parameter value |

### See Also

OpenFLUID.getSimulatorParam

OpenFLUID.removeSimulatorParam

### Examples

```
## Not run:
OpenFLUID.setSimulatorParam(ofsim,"my.simulator","coeff",3)

## End(Not run)
```

ROpenFLUID *Package for using OpenFLUID within the GNU R environment*

## Description

This package allows to load, parameterize, run and analyze OpenFLUID simulations within the GNU R environment

## Details

| | |
|---|---|
| Package: | ROpenFLUID |
| Type: | Package |
| Version: | |
| Date: | |
| License: | GPLv3 with special exception |
| LazyLoad: | yes |

## Author(s)

Jean-Christophe Fabre <fabrejc@supagro.inra.fr>

## Examples

```
## Not run:
# load OpenFLUID library
library("ROpenFLUID")

# add optional paths to search for simulators
OpenFLUID.addExtraSimulatorsPaths("/path/to/simulators")

# open an input dataset
ofsim = OpenFLUID.openDataset("/path/to/dataset")

# set the output dir
OpenFLUID.setCurrentOutputDir("/path/to/output")

# run the simulation
OpenFLUID.runSimulation(ofsim)

## End(Not run)
```