

Unix/Linux Euroformix Installation Instructions by Fremont-Smith, Philip

1. Download Euroformix version from <https://github.com/oyvble/euroformix> .

- This installation uses [euroformix_1.10.0](#)

2. Make sure compatible version of R is installed.

- `r -version`
- *Install compatible R version if needed*

4. Check if gfortran is installed so required lgfortran dependencies are in place.

- Install gfortran if needed

5. Install X dependencies so R can be started using “xvfb-run R” which will enable the installation of Euroformix R library dependencies.

- `# yum install chromedriver chromium xorg-x11-server-Xvfb`

6. Start R in a mode where X tunneling requirements will not make the installation of gWidgetstcltk fail. Dependencies may fail to install because of CRAN mirrors, so specify the mirror in the R `install.packages` command.

- `# xvfb-run R --no-save`

```
install.packages("gWidgetstcltk", repos="http://R-Forge.R-project.org", type = 'source')
install.packages('Rcpp', dependencies = TRUE, repos="http://R-Forge.R-project.org")
install.packages('BH', dependencies = TRUE, repos="http://R-Forge.R-project.org")
install.packages('RcppArmadillo', dependencies = TRUE, repos="http://R-Forge.R-project.org")
install.packages('forensim', dependencies = TRUE, repos="http://R-Forge.R-project.org")
install.packages('cubature', dependencies = TRUE, repos="http://R-Forge.R-project.org")
install.packages('snow', dependencies = TRUE, repos="http://R-Forge.R-project.org")
quit()
```

7. Download, build, and install the Euroformix R package.

- Unzip the file `euroformix_1.10.0.tar.gz`. The unzipped directory name should be `'euroformix_1.10.0'`.
- Move to the directory where the package exists.
(`euroformix_1.10.0 /`)
- Create the package:

R CMD build euroformix_1.10.0

- Install the package:
R CMD INSTALL --build euroformix_1.10.0.tar.gz

8. After all dependencies and Euroformix have been installed:

- Connect using `ssh -Y` to enable X11 packet forwarding which will allow the GUI to be displayed on a workstation while tunneling over SSH.
- Start a new R session and run the following commands:

```
library("euroformix")  
efm()
```