



FIRST INSTALLATION

For a first installation of **PolSARpro v6.0.4 (Biomass Edition) Software**, user has to open an **Xterm** window and type (*Ubuntu OS*):

Tcl-tk packages

```
[user]:> sudo apt-get install libtk-img iwwidgets4 bwidget
```

gcc / g++ packages

```
[user]:> sudo apt-get install gcc g++ build-essential libglew-dev
```

```
[user]:> sudo apt-get install freeglut3-dev libfreeimage-dev
```

Other packages

```
[user]:> sudo apt-get install gimp gnuplot googleearth imagemagick snap
```

Note : According to the operating system (OS), user has to adapt these command lines to interact with the packaging system of the corresponding Linux distribution (Debian, Fedora, OpenSuze).

INSTALLATION

To install **PolSARpro v6.0.4 (Biomass Edition) Software**, user has to :

- 1) Create a dedicated directory (for example : **polsarpro_v6.0.4**) and copy the zip file :

*[**PolSARpro_v6.0.4_Biomass_Edition_Linux_Installer_YYYYMMDD.zip**](#)*

(where YYYYMMDD = date)

- 2) Unpack the zip file.

- 3) Open an **Xterm** window in the directory where **PolSARpro v6.0.4 (Biomass Edition) Software** is installed and type :

```
[user]:> sh PolSARpro_v6.0.4_Biomass_Edition_Linux_Installation.sh
```

DIRECTORY STRUCTURE

Once installed, the **PolSARpro v6.0.4 (Biomass Edition) Software** directory presents the following structure:

- **ColorMap** directory contains user defined or modified PolSARpro colour-map files
- **Config** directory: contains all the different software configuration files
- **GUI** directory contains all the widget window Tcl-Tk files.
- **Help** directory contains the PolSARpro Help files.
- **Help-v6** directory contains new PolSARpro Help files.
- **License** directory contains all the PolSARpro licenses files
- **Log** directory will contain all the log files created for each session.
- **Soft** directory contains ready to use executable processing files and libraries.
- **TechDoc** directory contains the technical documentations relative to all the GUI Widgets and C-Routines used in PolSARpro.
- **Tmp** directory is empty after installation and is used by PolSARpro during each session.

It is strictly recommended not to change, extract, move or modify any component (tcl-tk widgets, executable processing files, colormaps, help files, PDF files...) included in the PolSARpro v6.0.4 (Biomass Edition) Software directory and / or change its structure.

RUNNING POLSARPRO V6.0.4 (BIOMASS EDITION) SOFTWARE

To run the **PolSARpro v6.0.4 (Biomass Edition) Software**, start the GUI (Graphical User Interface) by double-clicking the  **PolSARpro_v6.0.4_Biomass_Edition** icon located on the user desktop, or open an **Xterm** window in the directory where **PolSARpro v6.0.4 (Biomass Edition) Software** is installed and type :

```
[user]:> wish PolSARpro_v6.0.4_Biomass_Edition.tcl
```