Geoserver

Geoserver is used to deploy and to locally test the generated WPS

- *GeoServer* installation
    - http://docs.geoserver.org/latest/en/user/installation/index.html#installation
    - http://docs.geoserver.org/latest/en/user/installation/win_installer.html
    - http://geoserver.org/download/
    - during install, you have to provide
        - an Admin id and a Password, by default *admin* and *geoserver*
        - a port for request invocation, by default 8080
- WPS extension installation :
    - http://docs.geoserver.org/stable/en/user/services/wps/install.html
    - download the WPS extension : http://geoserver.org/release/stable/
    - unzip the WPS extension in the *GeoServerinstall*/`webapps/geoserver/WEB-INF/lib` repository
    - add `gt-wps-XX.jar` in the same repository, the version number has to be the same as the version number used for WPS development
- Start the server, using the generated *Start GeoServer* in the *GeoServer Menu*
- Check that *WPS* is in the *Services* menu of *GeoServer*
- To test a deployed WPS, use your browser with the local address http://localhost:8080/geoserver
- Connection to the server using *admin / geoserver*
- To stop the server, use the generated *Stop GeoServer* in the *GeoServer* menu

Eclipse Modeling Tools

The *NOUMEA* project is based on *Eclipse Modeling Tools*

- Download and unzip in a *NoumeInstall folder* the *Windows 32-bit Neon Version*
    - https://www.eclipse.org/downloads/packages/eclipse-modeling-tools/neonr
- Configure *Eclipse* to use the *JDK1.8* JVM
    - https://wiki.eclipse.org/Eclipse.ini
- Download and unzip the *wpsWorkspace* and *runtime-EclipseApplication* folders in the same folder as your *eclipse* folder has been installed (*NoumeaInstall*)
    - *https://github.com/jpbabau/Noumea*
- Start *eclipse.exe*
    - Select the *wpsWorkspace* folder as the workspace
- Install *Acceleo*, *Sirius* and OCL
    - *Help / Install Modeling Components*
    - Select *Acceleo*, *Sirius* and *OCL Tools*
    - *Finish*, *Next*, *Accept, restart Eclipse* : *Yes*
- Install *e(fx)clipse*
    - https://www.eclipse.org/efxclipse/install.html
    - *Help / Install New Softwareí*
    - *óAll Available Sites*
        - *e(fx)clipse*
    - select *e(fx)clipse - IDE*
    - *Next*, *Accept*, *Finish, restart Eclipse : Yes*
- Install Maven
    - *Help / Install New Softwareí*
    - *Addí*
        - *Maven*

- *http://download.eclipse.org/technology/m2e/releases*
  - o select *Maven Integration for Eclipse*
  - o *Next*, *Accept*, *Finish, restart Eclipse : Yes*

Application and WPS design environment
- Start *eclipse.exe* if necessary
  - o *wpsWorkspace* is the workspace
- Import the NOUMEA projects
  - o *File / Import / Existing Projects into Workspace*
  - o *Next*
  - o *Browse*
  - o *OK*
  - o *Select all projects, Finish*

Application configuration
- Select the *NoumeaUI* project
- Right-click *Run As / Eclipse Application*
  - o Launch a new Eclipse instance
- Import examples
  - o *File / Import / Existing Projects into Workspace*
  - o *Next*
  - o *Browse*
  - o *OK*
  - o *Select all projects, Finish*
- *Window/Perspective / Open Perspective / Other í*
  - o *Sirius*
- *Window/Show View / Other í*
  - o *Other/My FX View*
  - o For Noumea, you only need the *Properties* and *My FX View* views