## Compiling and running simulation with RSWMS on a Windows Computer.

From the Microsoft Store app, install “Ubuntu 18.04.5 LTS”.

**If** you have a **WSLRegisterDistribution failure** then

On the Taskbar, click on the Windows Search bar and type Control Panel. Then in the results shown, click on **Control Panel**.

Now click on **Uninstall a Program.**

Then, in the left panel of the window, click on**Turn Windows Feature** on or off

! You need admin right to enter this panel

Now, scroll down until the end and enable**Windows Subsystem for Linux** Option

If the option is already enabled, then disable it and restart your system

Then **restart your system** and then check if the system is clear of the error.

### In the Ubuntu terminal after installation:

The first time on Ubuntu, you be ask to create a user name (no capital letters and if you use symbols, please use "\_") then set a password.

After:

sudo apt-get install update  
sudo apt-get update

sudo apt-get install build-essential

sudo apt-get install cmake

sudo apt-get install gcc  
sudo apt-get install gfortran  
sudo apt-get install openmpi\*  
sudo apt-get install liblapack-dev  
sudo apt-get install \*mumps\*

**For RSWMS:**

cd ../../mnt/c/Users/ 🡪 to your directory (no space, nor “-“)

unzip RSWMS.zip

cd RSWMS/sparskit

make clean

make

cd ..

make clean

make

## Compiling and running simulation with CPlantBox on a Windows Computer.

For CPlantBox: If all the installation were done correctly for RSWMS, it should work smoothly for CPlantBox as well.

cd ../../mnt/c/Users/ 🡪 to your directory

git clone https://github.com/Plant-Root-Soil-Interactions-Modelling/CPlantBox.git

cd GitHub/CPlantBox

cmake . && make