



Intra-ACP Climate Services and Related Applications Programme – ClimSA

WORKSHOP - SADC Region

WEFE NEXUS, Climate Variability, and Environmental Monitoring

South Africa, Johannesburg, June 10th – 13th 2024

Joint
Research
Centre



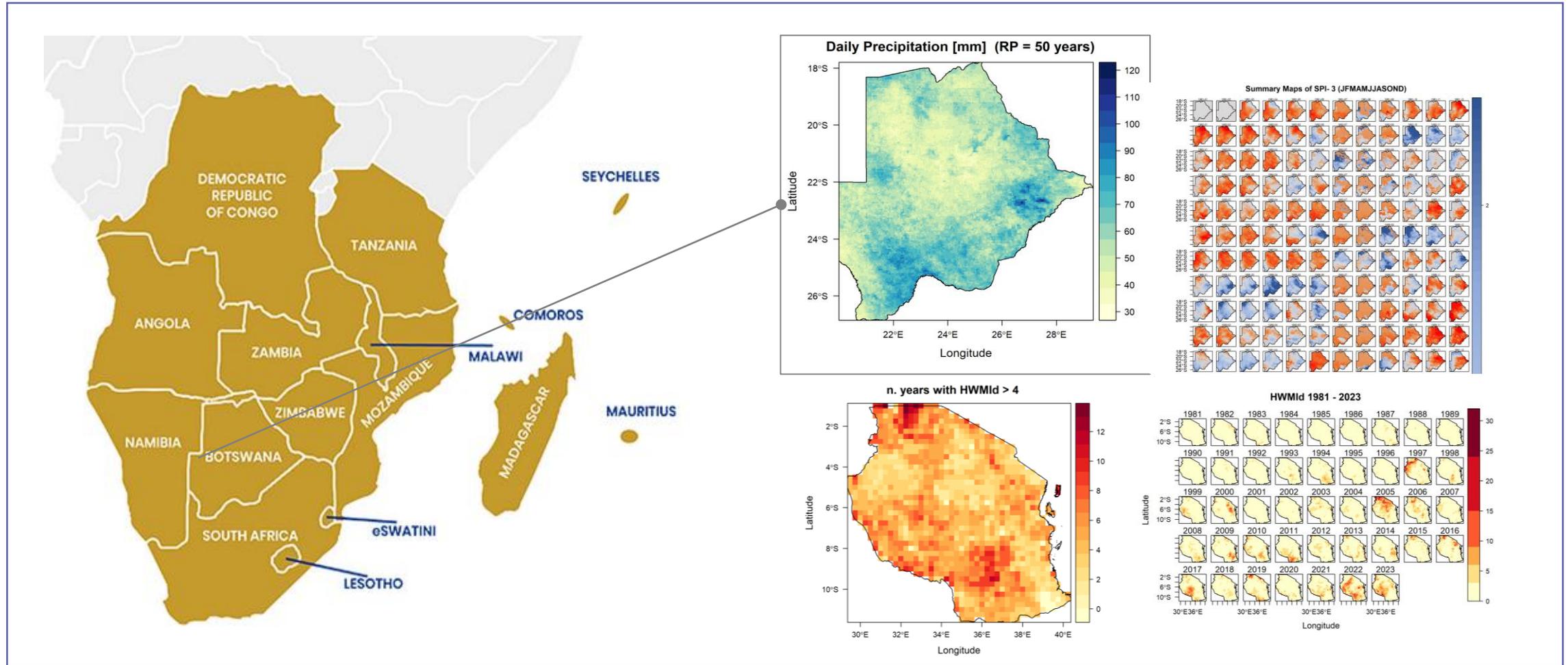


Climate Variability module – Installation

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South Africa, Johannesburg, June 10th – 13th 2024

Climate Variability – Installation Guide



E-Nexus - Climate Variability Module

Installation guide and basic settings

E-Nexus - Climate Variability Module

Prerequisites

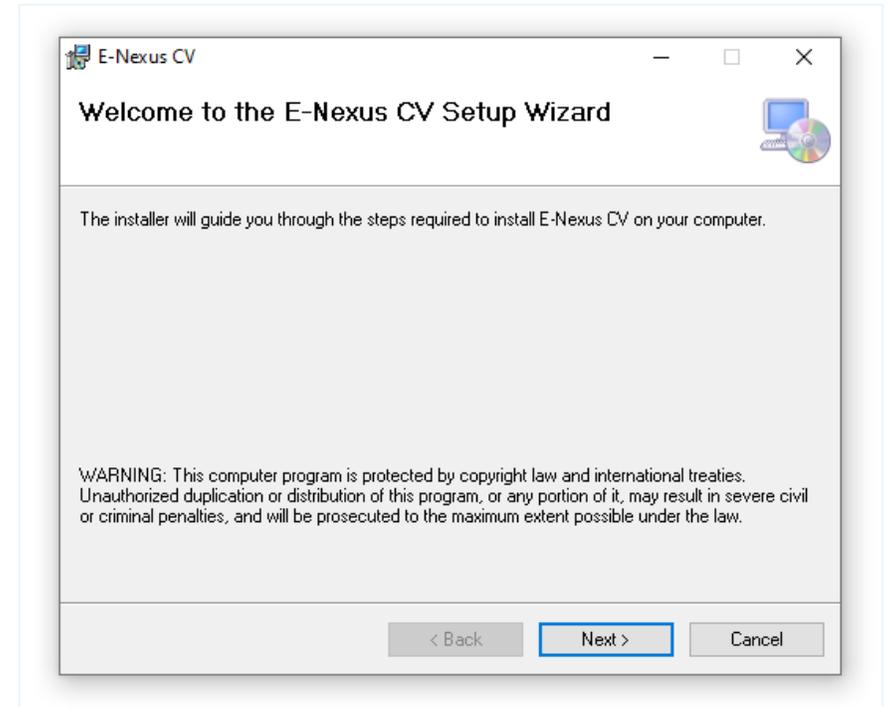
- **CPU** : 2.2 GHz recommended
- **RAM Memory**: 4 GB recommended
- **Operating system**: **Windows 10** or later
- **Microsoft Office 2007** or later
- **NET Framework 4.7.2** or later

E-Nexus - Climate Variability Module

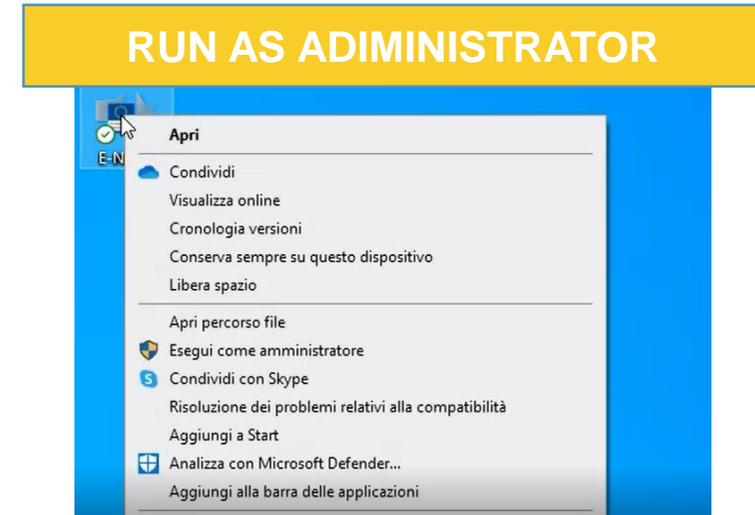
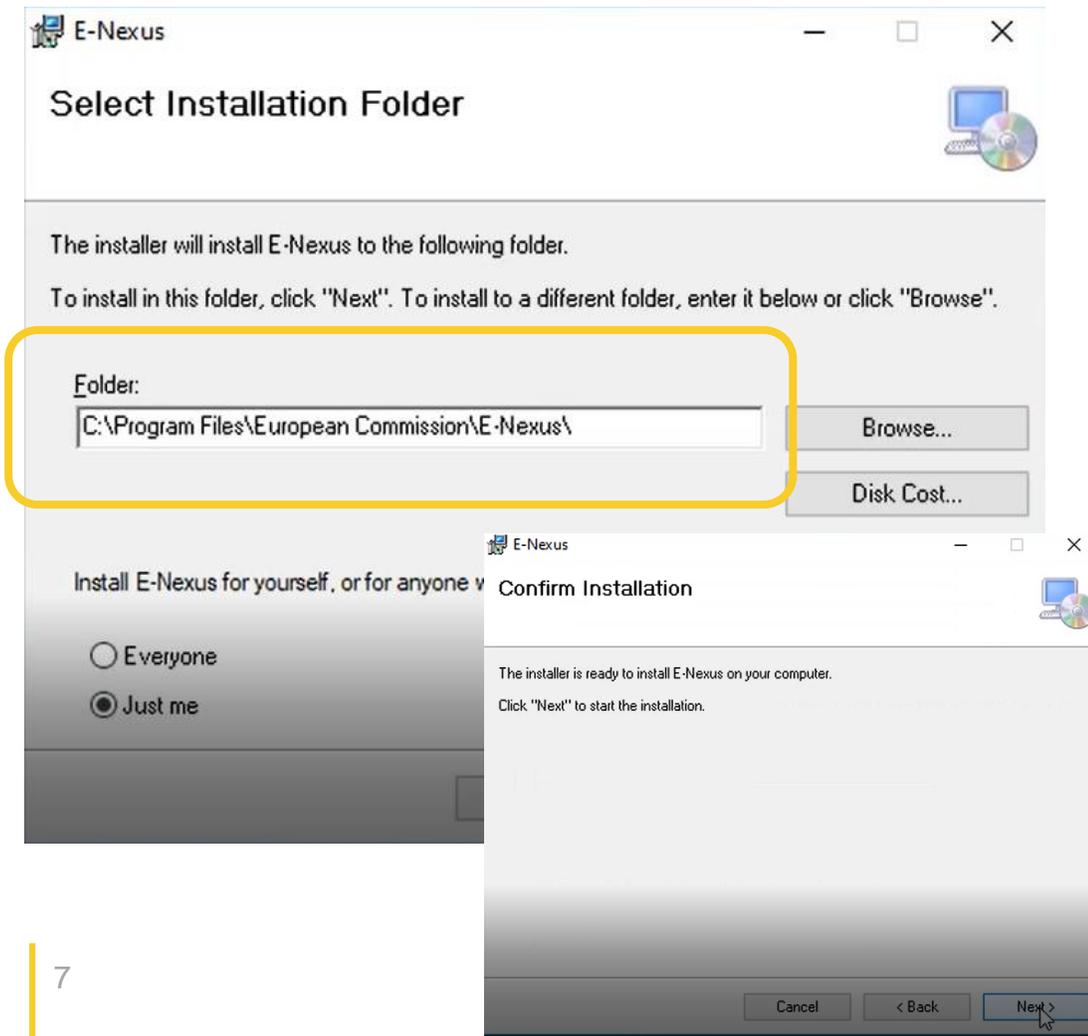
Installation

In order to start setup process, execute the file ***E-Nexus CV Setup.msi***: the module will be installed as a Windows application into Programs folder, also creating a Desktop shortcut.

<https://wetransfer.com>



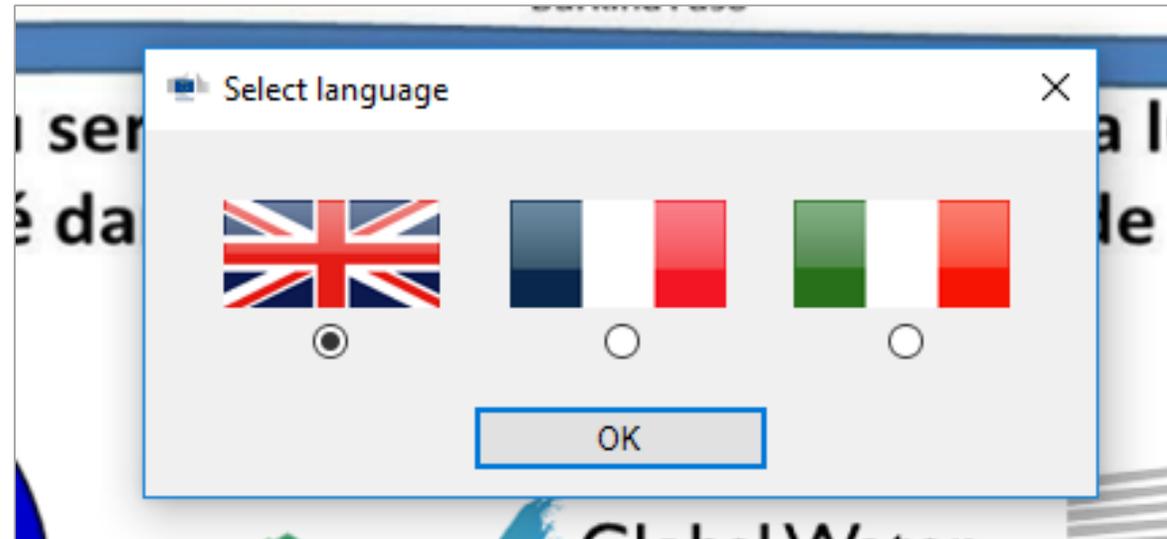
E-Nexus - Climate Variability Module



ONLY FOR THE 1ST EXECUTION:

1. Use right mouse button on the E-Nexus Icon.
2. Run as Administrator (this ensure all configuration setting are saved)

Language selection



There are three available languages for E-Nexus interface: English, French and Italian. After the first launch, it can be changed through the option **Settings/ Language**.

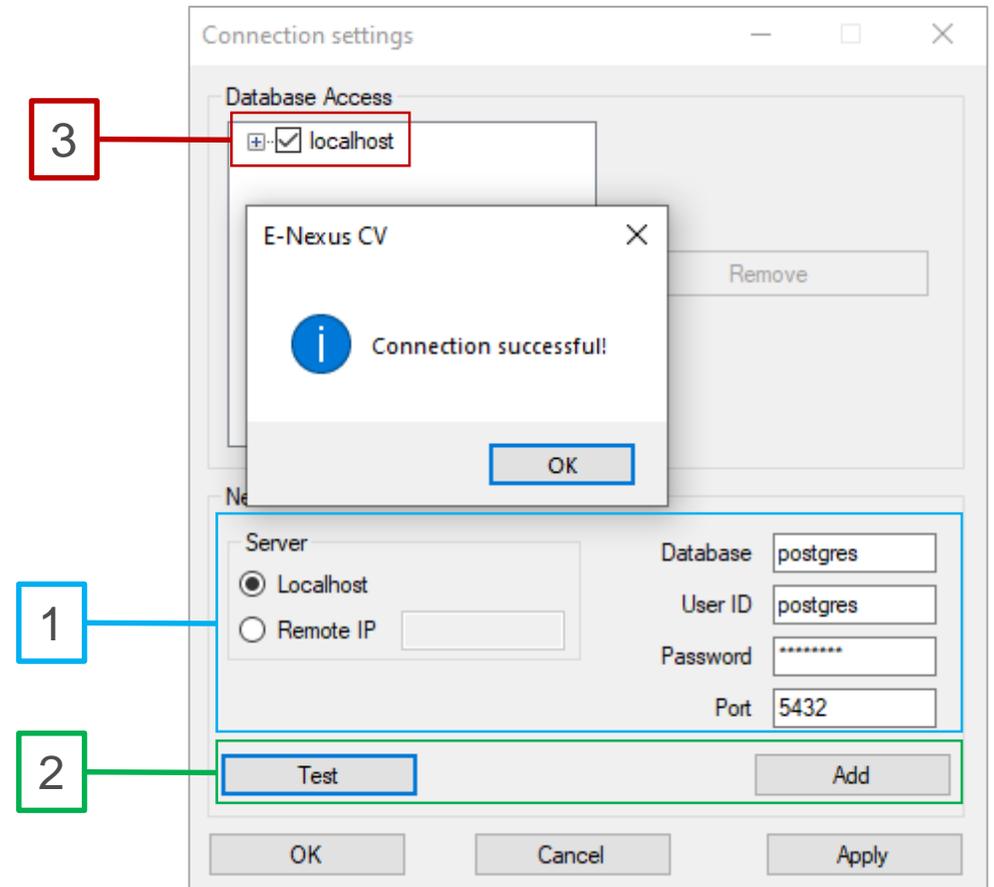
Connection settings(1)

If no PostgreSQL connection is detected at launch, E-Nexus will automatically load the connection settings menu.

1. Insert all connection parameters of database chosen to host E-Nexus data (it is possible to use the default installed one)
2. **Test** connection. If successful, it is possible to **Add** it to the panel of available connections
3. Check the newly added connection inside the panel and quit (**OK**)

Default connection

Server	<i>localhost</i>
Database	<i>postgres</i>
User ID	<i>postgres</i>
Password	<i><provided by user during installation></i>
Port	<i>5432</i>



Connection settings(2)

- **Remove** a connection to erase it from the E-Nexus connection list. Besides, database won't be actually removed from server and will be always available for other uses and applications.
- It is always possible to enter connection settings menu for further editing through the option **Settings/Connection**

Main interface

General settings (language, connection, etc.)

Edit tables

MAIN MENU

Select active connection: all added database connections are listed here. It is always possible to add others, both remote or localhost.

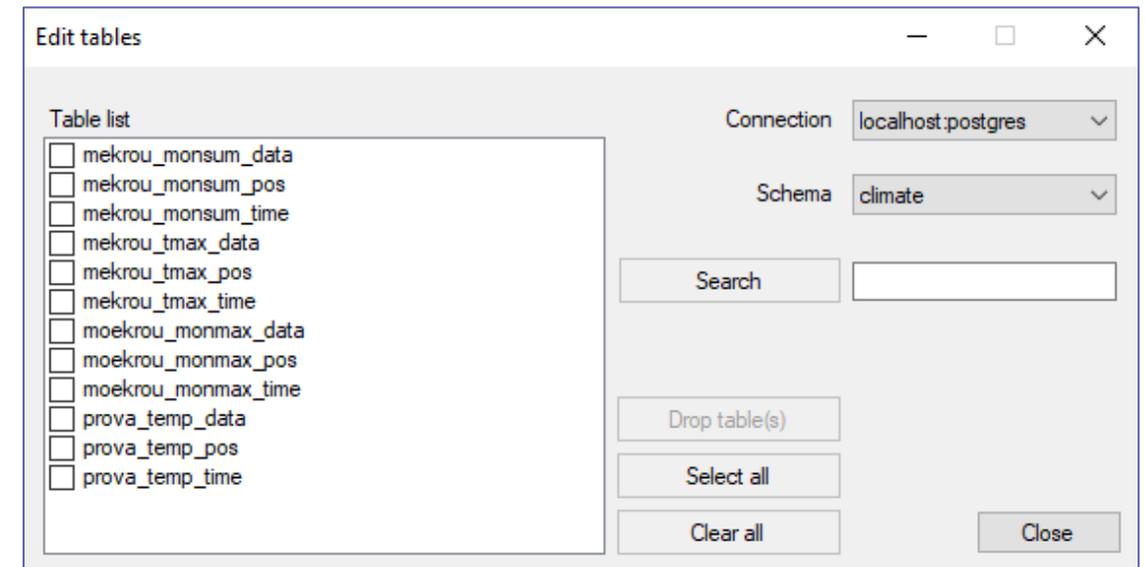
Table	Field	Variable	Unit	Start date	End date	Time step
mekrou_monsum	Precipitation	precip	mm/month	01/01/1981	01/12/2015	Monthly
mekrou_tmax	Temperature	temp	°C	01/01/1981	31/03/2016	Daily
moekrou_monmax	Precipitation	date	mm/day	01/01/1981	01/12/2015	Monthly
prova_temp	Temperature	temp	°C	01/01/2021	01/01/2023	Annual

Uninstall

E-Nexus CV can be regularly uninstalled by removing it from applications list. However, all data created and stored in PostgreSQL environment will be left untouched. Other than PgAdmin interface, it is possible to remove any table through **Edit tables** menu.

All E-Nexus related schemas are listed here::

- **climate**
- **data_lists**
- **epic**
- **geoms**
- **socio_economics**
- **swat**



In this way (**Drop table(s)** on checked tables) all dropped tables will be permanently removed from database, so it is important to proceed with caution.

Thank you



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