Accurate effective dose assessment *in vitro* using PATROLS DosiGUI – Open virtual hands-on workshop

To join the workshop: https://zoom.us/j/93490012466

To download the software: https://github.com/CentroEPiaggio/DosiGUI.git

Instructions for attendees

As reported in the program, we will hold a practical session for using DosiGUI. To fully appreciate this hands-on session and learn how to accurately assess the effective dose delivered to cells using DosiGUI, please follow the instructions reported below **before** attending the workshop.
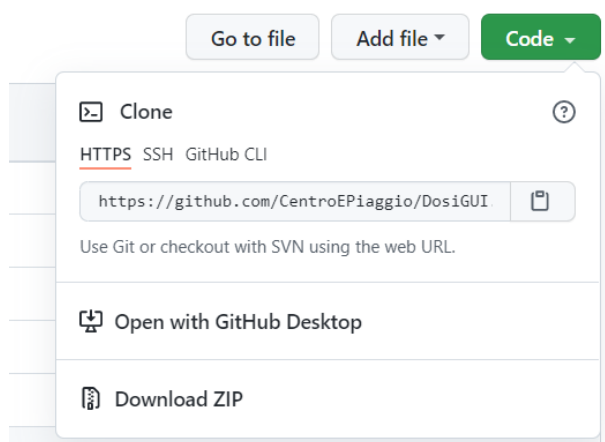
DosiGUI is available as both a standalone desktop application (for either Windows or MacOS operating systems) - for those who do not use MATLAB - and a MATLAB application. The installation procedure differs depending on the version you need to install.

For the sake of clarity, during the workshop we will present and use the standalone version, which is suitable for all participants. The utilization of the MATLAB application does not differ in any aspect from that of the standalone. After the workshop, if anyone will be interested in also installing this version, we will be available to provide all needed details.

Step-by-step installation

To install DosiGUI on your laptop or workstation, first **ensure you have a stable internet connection**. Then:
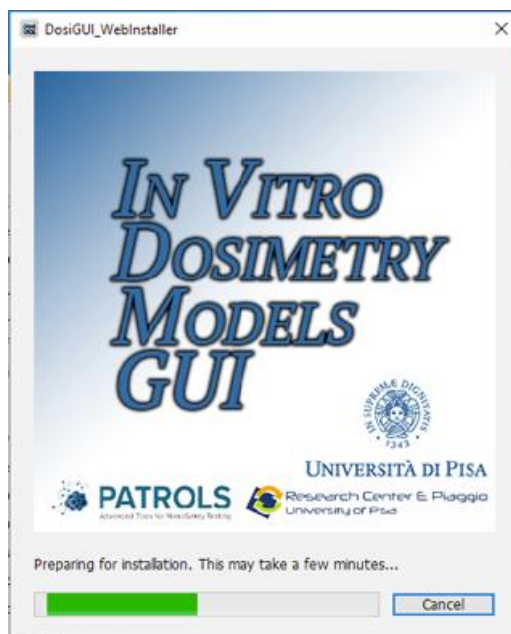
- Download the files attached at the following link, by clicking on the green button *Code* and choosing "Download ZIP".
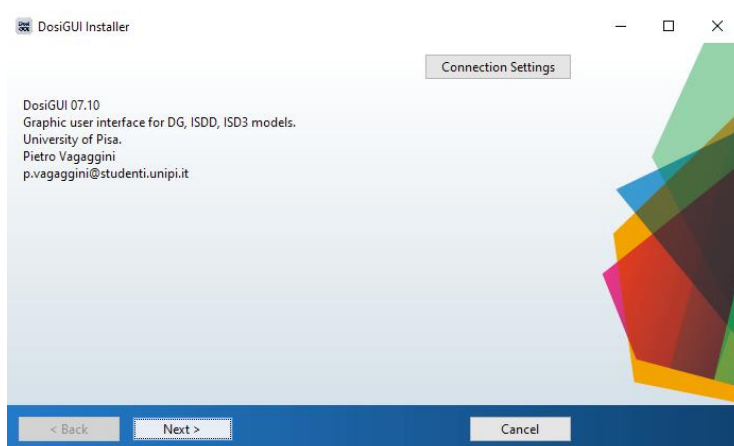

- Unpack the executable file (*DosiGUI_Web_Installer*) suitable for your operating system. It is the installer of all required components for running DosiGUI as a desktop application. For Mac-users,

please refer to the file *MacOS Readme.pdf* for further details, available at the same link in the folder "MacOS".
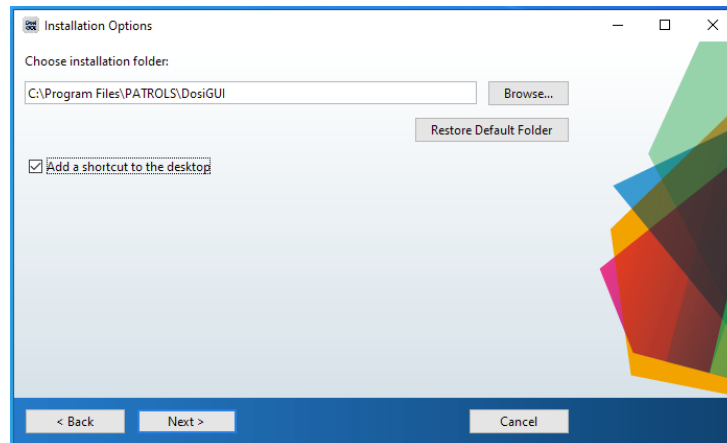
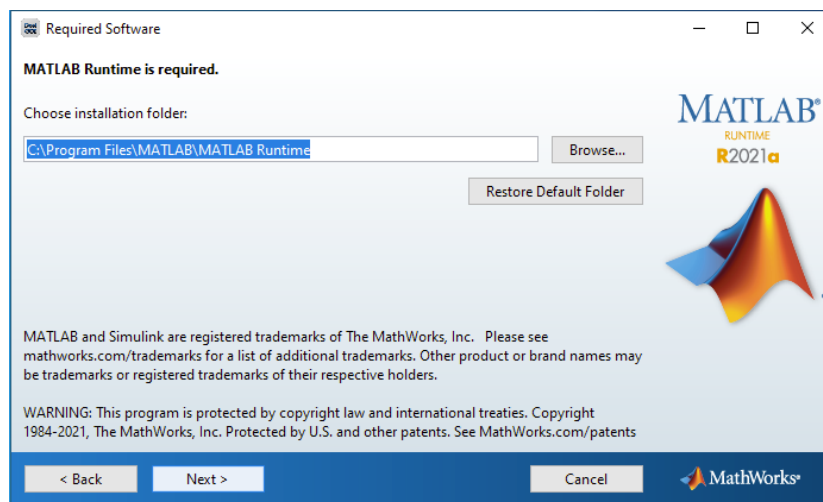- Launch the installer and wait for the loading window to appear.

- Once the loading is completed, a new window appears, where you can check the version of the application you are about to install. Click *Next* to proceed.
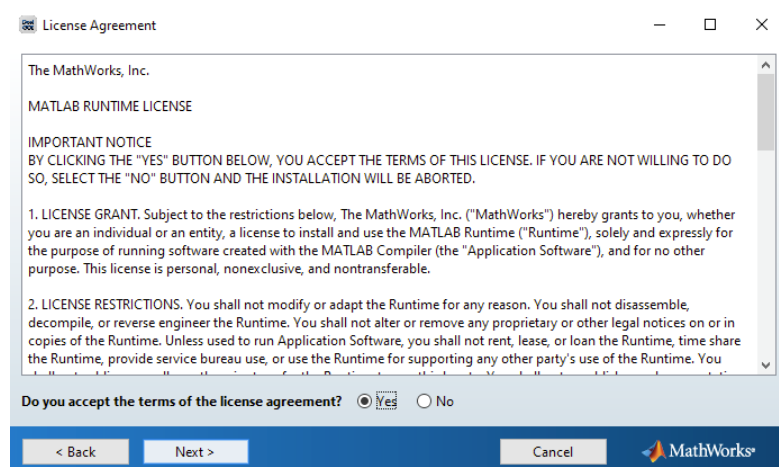

- Choose the desired folder to install the application. It is recommended to keep the default settings and check the option "Add a shortcut to the desktop".
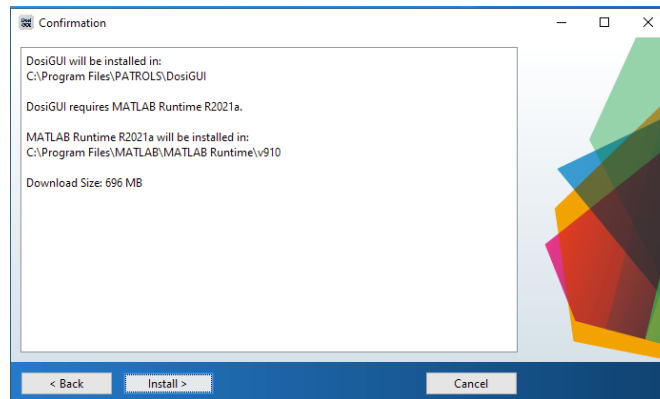
- Choose the desired folder to install MATLAB Runtime (a free MATLAB component required to run DosiGUI). It is recommended to keep the default settings.
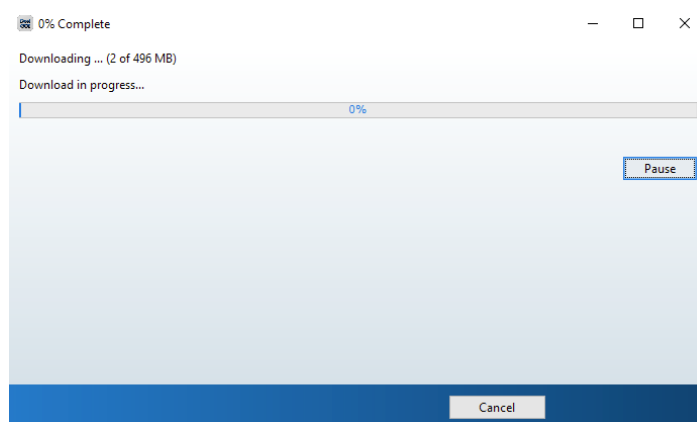

- Accept the license agreement for MATLAB Runtime and click *Next*.

- A confirmation window summarizing the installation settings appears. Click *Install* to start the installation.

- The operation begins with the download and installation of MATLAB Runtime (500MB, approximately). Then, DosiGUI is installed.

- Once the installation is completed, close the installer window. Now, you should be able to run DosiGUI by clicking on the shortcut on your desktop.

For the purpose of the workshop, additional files (*.mat* extension) containing some example datasets as requested by DosiGUI for running simulations and performing effective dose predictions are also provided in the folder "Input files" at this link. Please download them before the workshop and make sure they are in the same folder where DosiGUI is installed.

We look forward to meet you online on September 6th for the workshop.

If you need help, please contact us at dosigui.unipi@gmail.com at least 3 days before the workshop. We will not be able to offer help on installation during the workshop.