

Information for the Athens summer school 2022 participants:

Participants should bring their own computers to the hands-on sessions. In order to take full advantage of these sessions we encourage all participants to use a unix based OS (linux/Mac), and to install some software packages beforehand. We will be working mainly with **Python3.7**.

Our suggestion is to have a working installation of [Anaconda Distribution](https://www.anaconda.com/products/distribution) (<https://www.anaconda.com/products/distribution>) in your systems, so you can create an environment that satisfies the main requirements and needs from each hands-on session.

Once your installation of Anaconda Distribution is up and running just follow the instructions here in order to create a conda environment and to test it:

https://github.com/Santiastro1/Athens_School_2022/blob/main/README.md

It is also highly recommended to have the Topcat software installed in your laptop:

<http://www.star.bris.ac.uk/~mbt/topcat/#install>

And you should be good to go!

After successfully downloading the GitHub repository and installing the Athens2022 conda environment you can proceed with the next steps:

In the "A first study of galaxy formation and evolution using numerical simulations", and "Gaia DR3 hands on exercises" sessions you will use the "yt" and the "Pynbody" software, through "Jupyter notebook" scripts. All this software is included in the "conda environment" you must install in your computer before the school starts. You can do it by following the instructions above.

After downloading the GitHub repository you will find many jupyter notebooks ("ipynb" files). Inside each "ipynb" file you will find instructions on how (and where) to download the data.

In the folder you download from

[Athens_School_2022https://github.com/Santiastro1/Athens_School_2022/blob/main/README.md](https://github.com/Santiastro1/Athens_School_2022/blob/main/README.md)

you will also find a .pdf (HandsONI_II_Athens2022.pdf) with the instructions and exercises for the Hands On I and II sessions.

Some of the files are huge. If you have any problem to download the data please contact sroca01(at)[ucm.es](mailto:sroca01@ucm.es). We will bring the data in pendrives/external hard drives so you can copy the data to your laptop if you had problems with the download.

Alternatively (not recommended) most of the material can be downloaded from a google drive folder:

<https://drive.google.com/drive/u/0/folders/1maY3LUaBSTZN3H3rnb4o5kXO2IU2OzUv>

<https://drive.google.com/drive/folders/1gFg1PAhW5l6rb-f9rW9BXVZt82ooyM3y?usp=sharing>