

New members: Computing in LUX

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LUX and Paris Observatory

Some teams have their own computing servers: ask your supervisor / colleagues.

Paris Observatory has a computing cluster: tycho.

- Information (in french) here: Tycho
- Email to admin.dio@obspm.fr to request the creation of your account.
- Serial codes or small parallel runs
- Nodes have between 16 and 48 cores, and between 64 and 256 GB RAM.
- The oldest nodes are 12 years old, they may be quite slow. . .

PSL University has a small supercomputer hosted in Meudon: mesopsl.

- Several clusters, the largest has 2000 cores
- If you need between 50 and 500 cores and less than 10^6 computing hours
- Information (in french) here: Mesopsl
- The oldest nodes are 13 years old, they may be quite slow...
- Ask me if you want an account

Federation of mesocenters

- You can get access to specific ressources
 - ▶ computing nodes with ARM processors
 - ▶ computing nodes with vector processors
 - ▶ quantum emulator
- Information (in french) on the MesoNET website

National computing centers

You may apply for a resource allocation in a national computing center.

- If you need more than 500 cores or more than 10^6 computing hours.
- 2 calls each year.
- IDRIS: lots of NVidia GPUs
- CINES: lots of AMD GPUs
- TGCC : mainly CPUs, with a quantum emulator and 2 real quantum computers
- Information here: eDari

Contact

If you need help with tycho: `admin.dio@obspm.fr`

If you need help with mesopsl: `support.mesopsl@obspm.fr`

For anything else, or if you are not sure: `support.lux@obspm.fr`