# NorduGrid Tutorial

# *Installation Coffee break*

# what do you need?

- **a Testbed (not easy to find one, or get access to it:)**
  - **Functional Testbeds are rare, they are usually under development or happen to be down**
  - **NorduGrid happily gives you a test access to its Testbed**
- **a recognized & valid certificate**
  - **Tutorial, Test certificates are available from NorduGrid**
  - **or You can request your official NorduGrid certificate**
- **the client software of the Testbed, or access to GridPortal**
  - **GridPortals are yet very limited in functionality**
  - **client softwares are usually Unix command-line tools**
  - **different client software & Testbeds are not compatible**
  - **you need to install the client software or use a machine (called UI) with the preinstalled software**
    - most of the time you need to install (some) Globus too.

# available middleware

- **the "de facto standard" Globus Toolkit**
  - couple of academic projects "repackage" and redistribute the original Toolkit (NMI,EDG,NorduGrid)
  - commercial vendors (IBM, Platform computing)
  - "Globus is a research project"
  - you can't use the Globus alone (i.e. there is no broker)
  - The Toolkit should be considered as "building blocks", it provides a solid development base
- **European DataGrid software: www.edg.org**
- **NorduGrid Toolkit**
  - developed on top of the Globus libraries
  - open software, freely available
  - implements the NorduGrid architecture
  - easy to install (standalone client)

# installation instructions

www.nordugrid.org/documents/ngclient-install.html