



# The EU DataGrid Project Tutorial

**The European  
DataGrid Project Team**

<http://www.eu-datagrid.org>



# Introduction



- The tutorials are **aimed** at **users** wishing to learn how to **use EDG Grid tools** and are organized over 2 full consecutive days as follows:
  - **Mornings - presentations** on general Grid concepts, user interface commands, grid components, future directions.
  - **Afternoons - hands-on exercises** covering user interface operations with job submission, aspects of data management and job monitoring
- ◆ **Pre-requisites** for participants:
  - No prior knowledge is required for the presentations.
  - Basic **knowledge of Linux** user environment (shells, editor, etc.) is necessary to complete the exercises.
- ◆ Participants must be **pre-registered** for the afternoon **hands-on sessions** since security certificates need to be issued to use the EDG testbed.

# Schedule



## DAY1 – EDG 1.4

- ◆ Tutorial introduction  
**Heinz Stockinger**
- ◆ Overview of the DataGrid project  
**Erwin Laure**
- ◆ Security/Testbed overview  
**Erwin Laure**

### Coffee

- ◆ Workload Management  
**Heinz Stockinger**
- ◆ Data Management  
**Heinz Stockinger**

### Lunch

- ◆ **hands-on exercises**: job submission; data management

## DAY2 – EDG 2.0

- ◆ Information Services  
**Laurence Field**
- ◆ Fabric Management  
**Erwin Laure**
- ◆ New features in workload management  
**Heinz Stockinger**

### Coffee

- ◆ New features data management  
**Heinz Stockinger**
- ◆ Applications and Use cases  
**Erwin Laure**
- ◆ Future Directions  
**Erwin Laure**

### Lunch

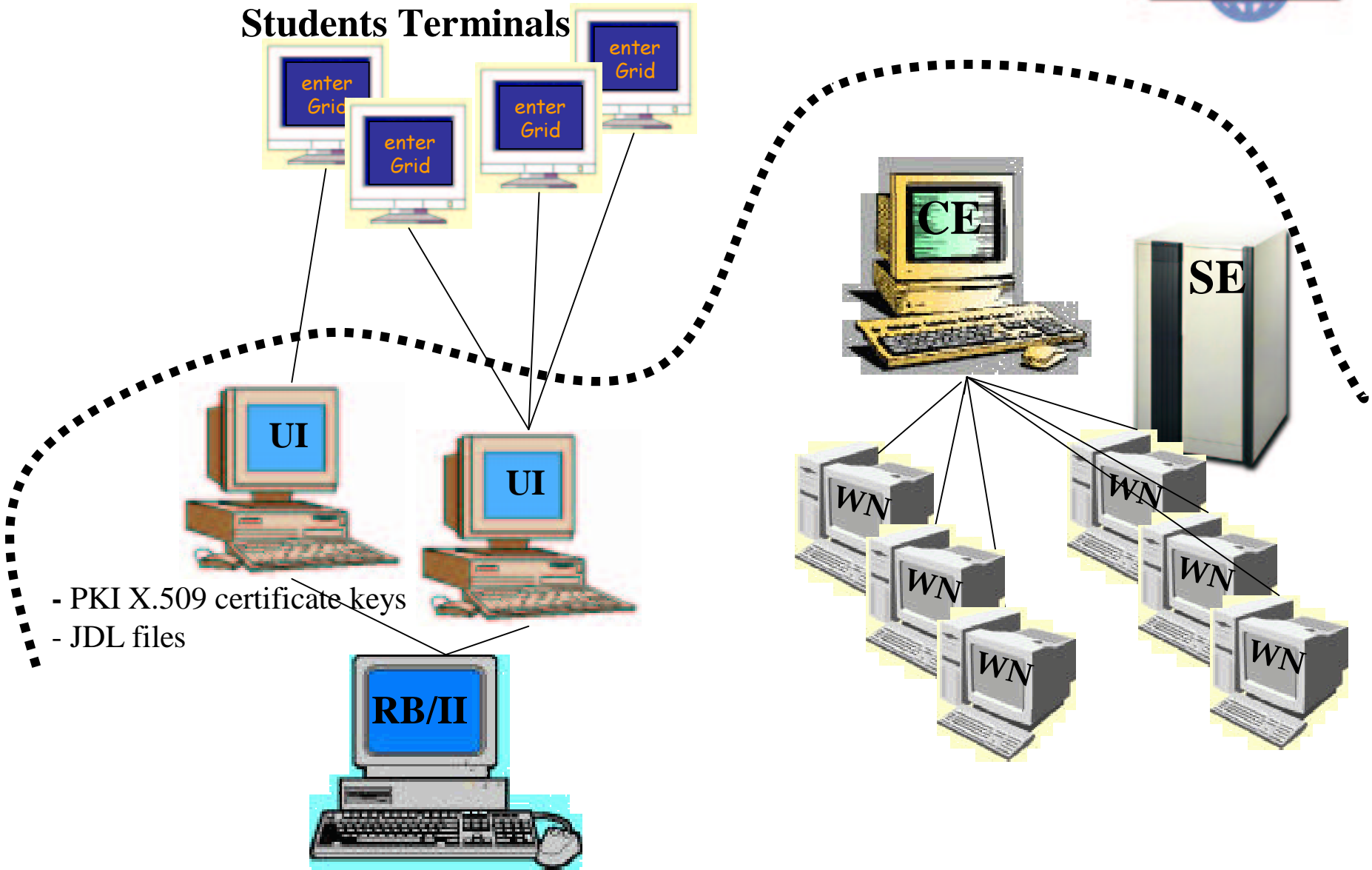
- ◆ **hands-on exercises**: info systems; data management – **ON FRIDAY!!!**

# Hands-on Exercises



- ◆ Working on Linux machines, you will connect to the
  - **GriDis** (Grid Dissemination testbed, EDG release 1.4) includes **CrossGrid** sites
  - **EDG application testbed** (EDG release 1.4)
  - Development testbeds (EDG release 2.0)
  - This requires a security certificate and a user account on the User Interface machine
- ◆ **Exercise handout** containing all the details of the exercises available on the web: <http://cern.ch/edgtutor>
  - Succession of increasingly sophisticated exercises exploring the different facilities of the EDG software
  - You work at your own pace
  - tutors are around in case you have questions or run into problem
- ◆ Required tools:
  - Access to testbed via secure shell (or equivalent)
    - E.g. teraterm for Windows
  - Web browser

### Students Terminals



- PKI X.509 certificate keys
- JDL files

# We want your feedback



- Your feedback is actively sought
  - Please tell us of mistakes in the presentations
  - Similarly for the exercises
  - Please fill in feedback-form
- Thanks to:
  - all the many people from the EDG cooperation who contributed to the development of the tutorials over the past year.