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**DISTRIBUTED EUROPEAN INFRASTRUCTURE FOR
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DEISA Educational Workshops

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RE	Restricted to a group specified by the consortium (including the Commission	
CO	Confidential, only for members of the consortium (including the Commission Services)	

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1. Executive Summary

This document describes the objectives of the DEISA Training Sessions and gives the reference to the D-eN2-1 eDEISA deliverable [1], which contains a description of the content of each of the three first sessions, together with a detailed analysis of the feedback questionnaires filled by the participants of each session, a description of the dissemination activities around the training sessions and a description of the exercises proposed to the attendees.

This document is restricted to other programme participants (including the Commission Services).

2. Objectives and content

The main objective of the DEISA training sessions *to enable fast development of user skills and know-how needed for the efficient utilisation of the DEISA infrastructure*. Six training sessions have been scheduled in various European countries between June 2006 and April 2008.

After initial discussions between the six partners involved in this activity (BSC, CINECA, CSC, FZJ, HLRS and IDRIS), the following schedule was defined:

- Paris, July 2006
- Jülich, October 2006
- Barcelona, March 2007
- Helsinki, May 2007
- Bologna, October 2007
- Stuttgart, February 2008

These sessions are open to scientists (including scientists from industrial organizations) from all European countries, and the attendance for each session is limited to 30 participants. For each of them, eDEISA funded the travel and living expenses of up to 15 participants coming from another country than the one in which the event is organized.

Each training session (except the first one, which had not the second part) is divided in three parts:

- The first part gives a global description and introduction to the DEISA infrastructure and describes the general middleware services, the usage of the *DEISA Common Production Environment* (DCPE) and the detailed utilisation of UNICORE and DESHL.
- The second part consists of a *hands-on* session, which allows each user to experiment by himself the main services of the infrastructure (Global File Systems, UNICORE, DESHL, DCPE).
- The third part is dedicated each time to a different HPC topic, itself usually divided in two parts, one technical and one based on *use cases*, to give pedagogical summaries of experiments in different scientific fields, mostly coming from achieved DECI projects.

Starting from the second session in October 2006, each participant becomes a *DEISA Test User* and has a DTU account opened to be able to continue to experiment with the infrastructure for a period of three months after the session that he attended (but obviously with only a small amount of resources usable).

As already stated, the D-eN2-1 eDEISA deliverable [1] contains a description of the content of each of the three first sessions, together with a detailed analysis of the feedback questionnaires filled by the participants of each session and a description of the dissemination activities around these training sessions. It also includes in annexes the whole lists of participants and the detailed description of the exercises proposed to the attendees, both for the UNICORE and DESHL sections.

3. References and Applicable Documents

- [1] eDEISA D-eN2-1 deliverable: *First Outreach Activity Report*

4. List of Acronyms and Abbreviations

DCPE	DEISA Common Production Environment
DECI	DEISA Extreme Computing Initiative
DESHL	DEISA Services for the Heterogeneous Management Layer
DTU	DEISA Test User
UNICORE	UNiform Interface to COmputing REsources