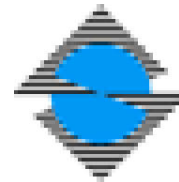


# LatFor DataGrid Implementation Status

D. Pleiter (DESY)



# Deployment Overview

- ❑ **Grid information services** running at DESY/Hamburg  
File catalogue, VO, GIS
- ❑ **Metadata Catalogue** prototype running at DESY/Zeuthen
- ❑ Several dCache-based **Storage Elements** running  
DESY/HH, DESY/Z, FZJ, ZIB (expected soon: CNRS)
- ❑ Larger set of **User Interfaces** installed

More information: <http://www-zeuthen.desy.de/latfor/ldg>

# Central Services

## ❑ Metadata Catalogue

- Upgrade to QCDml-1.2 next week
- Ongoing work on implementing Access Control Server
  - Allows to grant/revoke read/write **access to data**
  - Default: readable for all, writable for none
  - Ensemble owners (=projects) can define access rights
- Adapt to emerging ILDG specification of WS

## ❑ File Catalogue

- Migration to LFC pending

## ❑ VO

- VO membership mandatory to **access infrastructure**
- Check documentation site for how to become member

# User Software

- ❑ **RPM-based** installation mechanism for LCG-based **User Interface**
- ❑ Regularly updated RPMs for CA certificates provided
- ❑ New features of the **user tools**:
  - RPM-based installation mechanism
  - Functions for upload/update
  - Improved configuration

## Examples:

```
# lget -m -e www.lqcd.org/ildg/gral/b5p6kp1575-14x32
# lget lfn://ldg/qcdsf/clover_nf2/b5p25kp13575-24x48/bqcd.531.1.1.00150.tar
# lput qcdsf_b5p29kp13590-24x48.xml qcdsf_b5p29kp13590-24x48.dat
# lvalidate myensemble.xml
```

## Outlook: Ellegrid

- ❑ Pending request for **EU-resources** (no decision yet)
- ❑ Work program:
  - Define lattice **requirements**
  - Test/design/implement solutions for **interoperability** issues
  - Setup **EGEE-based** infrastructure
- ❑ Participants: CNRS (F), DESY (D), EPCC (UK), INFN (I)  
Associated participants: Japan, Australia
- ❑ Aim: support goals of ILDG
  - ☞ **We will approach ILDG when funds are granted**

## Outlook

- ❑ Main priority: fully operational regional grid
- ❑ Implement ILDG compliant interfaces

**Thanks to all involved colleagues!**