



Enabling Grids for E-science

PPS All sites Meeting: *Introduction & Agenda*

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SA1

EGEE 2007

PPS All sites Meeting: Introduction & Agenda

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www.eu-egee.org



The EGEE Pre-Production Service (PPS) is a distributed service whose goal is to give **early access** to new services to WLCG/EGEE users in order to evaluate new features and changes in the release

The PPS grid counts about 30 sites providing resources and manpower




<http://www.cern.ch/pps>

PPS contributes to the **quality** of gLite middleware:

- Software and **release** documentation are **validated** through the operation in a real grid in real conditions
- **e-science applications** from VOs benefit of a scaled environment for validation and debugging before they are moved into production
- Feedback is given for **early bug fix** to gLite before releasing into production

The EGEE Pre-Production Service cooperates with the OSG Integration Testbed (ITB) to verify EGEE/OSG **inter-operability** across gLite releases






Diligent

DILIGENT (<http://www.diligentproject.org>) pre-production infrastructure is composed by 6 sites:

- CNR: Pisa, Italy
- ENG: Rome, Italy
- ESA: Rome, Italy
- SNS: Pisa, Italy
- UNIBAS: Basel, Suisse
- UoA: Athens, Greece

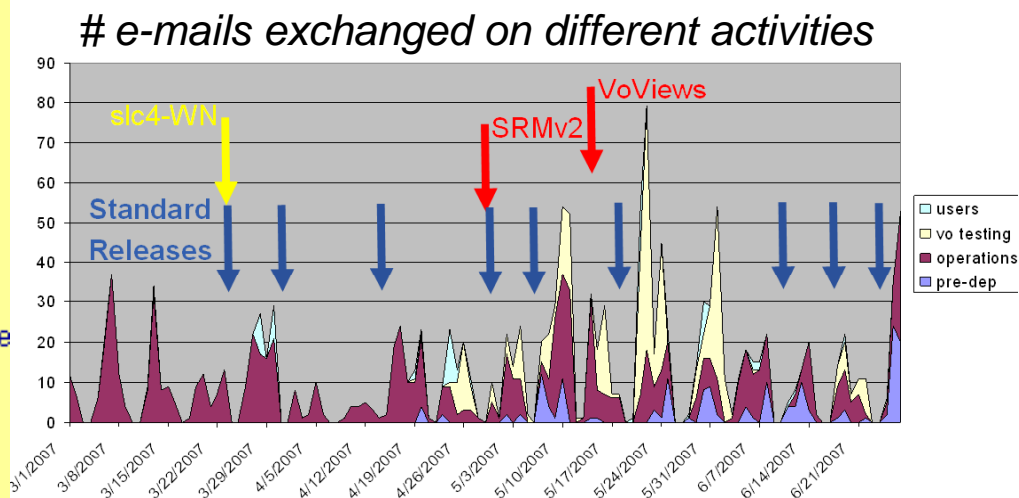


The "diligent" VO is also supported by 10 other EGEE PPS sites.

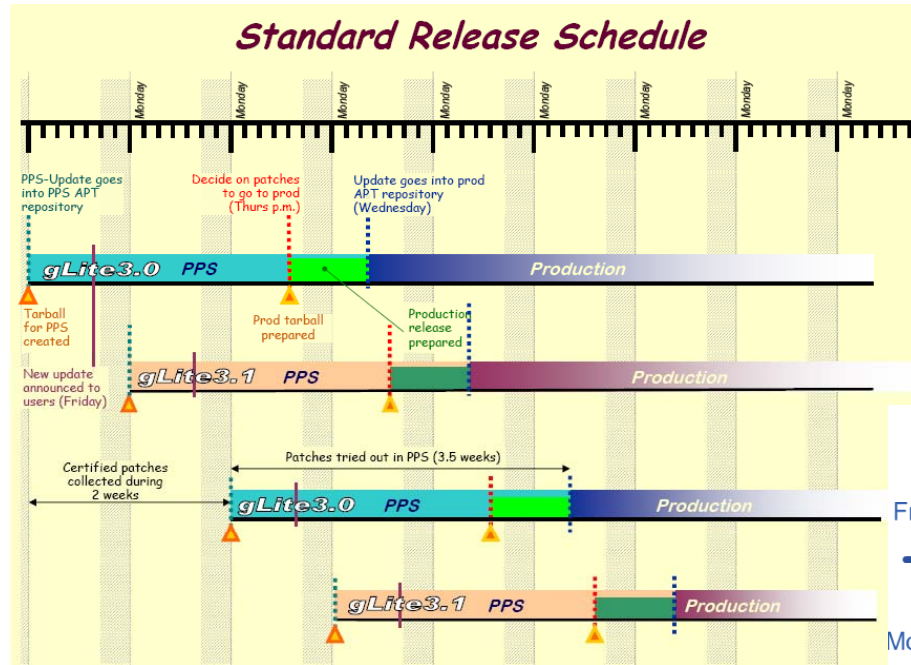
This infrastructure is mainly used to:

- store of the DILIGENT user communities data
- store the DILIGENT services archives used in the deployment of the DILIGENT service
- execute the DILIGENT watermarking application
- execute feature extraction applications
- execute application defined as part of a compound service
- manage the DILIGENT users and their groups/roles

- **PPS is Diligent's production**

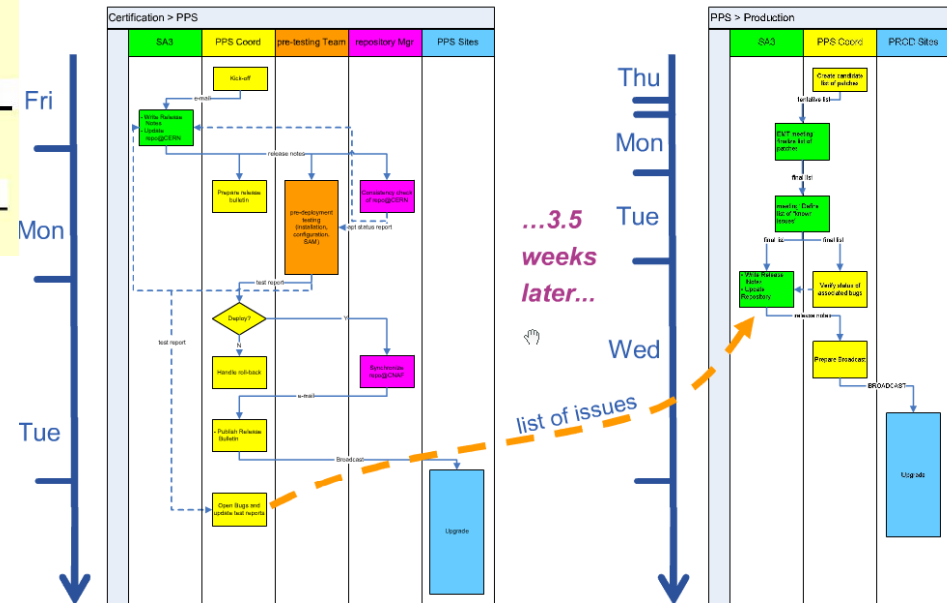


- **Usage by HEP VOs is sporadic**
- **Limited in time and scope**
- **Most of the PPS resources deployed are un-used**



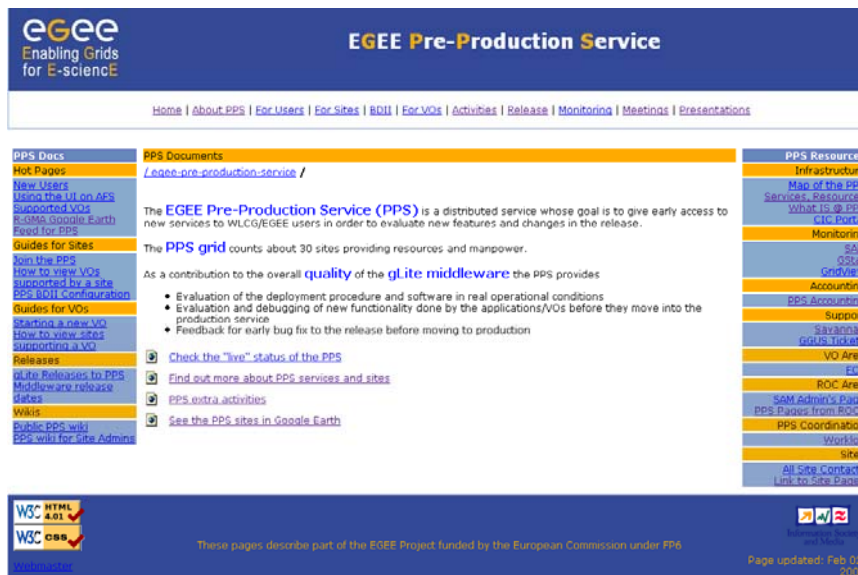
- Weekly update schedule
- Alternate baseline gLite3.0/3.1

- Certification → PPS → Prod

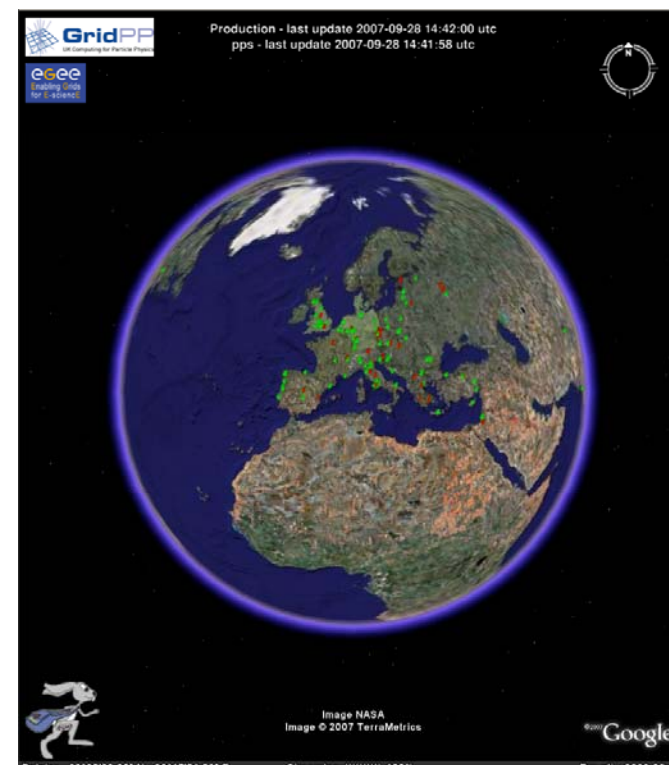


- <http://www.cern.ch/pps/index.php?dir=./release/process/>

- All PPS sites are requested, by mandate, to provide resources and to timely perform service upgrades
 - This is the **standard** part of the service.
- In addition, some sites in PPS are involved into **special activities**
 - Activities driven by Virtual Organisations (limited duration)
 - Support to PPS Operations (middle/long-term activities)
 - Interoperation/Interoperability (OSG)



- Info: PPS Web
- www.cern.ch/pps



- EGEE Pre-Production Service
 - 16 Countries
 - 30 sites
 - ~50 CEs
 - ~16 WMS
 - 4 FTS
- Run as a SERVICE
(monitoring, tickets, stability concerns)

- <http://www.cern.ch/pps/maps/index.html>

- **Highlight PPS “hot” issues and discuss them**
- **Work on solution of “live” issues**
- **Build consensus on PPS scope and goals**
- **Collect ideas for the future**
- **Give input to LCG management**

- Session 1
- **Operations (11.15-12.30)**
 - **CODs and PPS monitoring**
 - Short history and issues of COD monitoring in PPS (Antonio)
 - New monitoring tools: Nagios (Ian), GridMap (Max)
 - Operation alternatives: the SWE case (Mario)
 - **Brainstorming: PPS without the CODs**
 - **Sum-up (decisions + input for SA1)**
- Session 2
- **Interoperations/Interoperability (14.00-14.20)**
 - **Problem description (Nick)**
 - **Assessment: CERN_PPS <-> OSG_ITB (Andreas)**
- **Users: (14.20-15.20)**
 - **Why it's so difficult to be a user of the PPS grid?(Nick)**
 - **Alice's use case (Patricia)**
 - **Open discussion (input for SA1)**
- **Sum-up input for SA1 session (15.20-15.30)**