



Enabling Grids for E-science

# EGEE Pre-Production service

A distributed testing cluster

*A. Simon, E. Freire, J. Lopez, C. Fernandez/ CESGA*

*A. Retico, N. Thackray/ CERN*

*IberGrid*

*O Porto May 12 2008*



Information Society



## ■ Introduction

- Middleware Flow

## ■ Pre-Production Procedure

- Complete Release Process
- Special releases in Pre-Production
- Standard release

## ■ Available Resources

- PPS Gridice monitoring tool

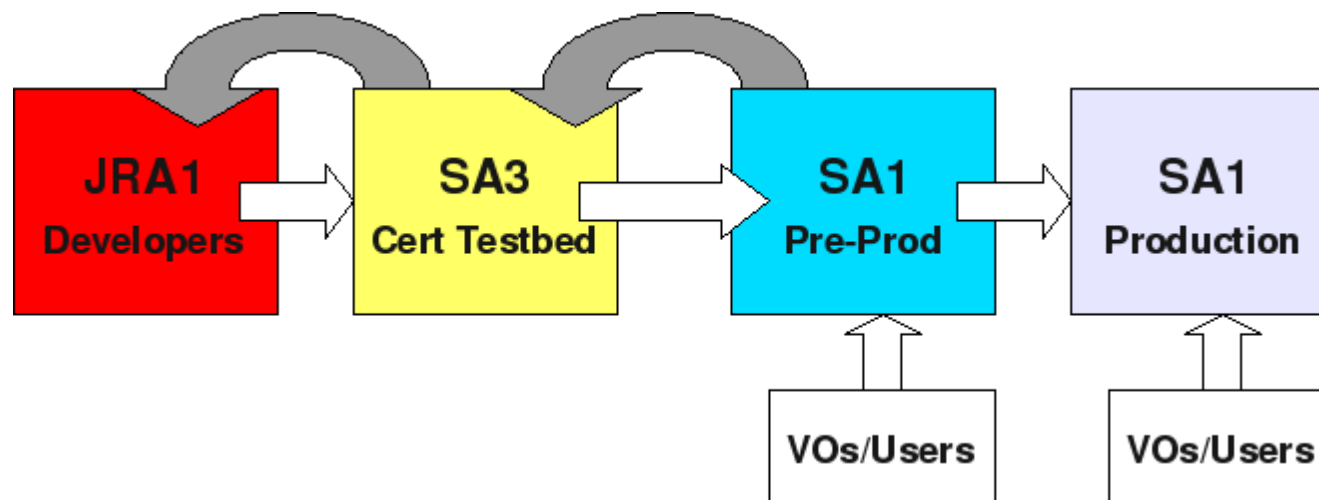
## ■ VOs in Pre-Production

- About Diligent VO

## ■ How to join to PPS

## ■ Future Work

## ■ Middleware Lifecycle

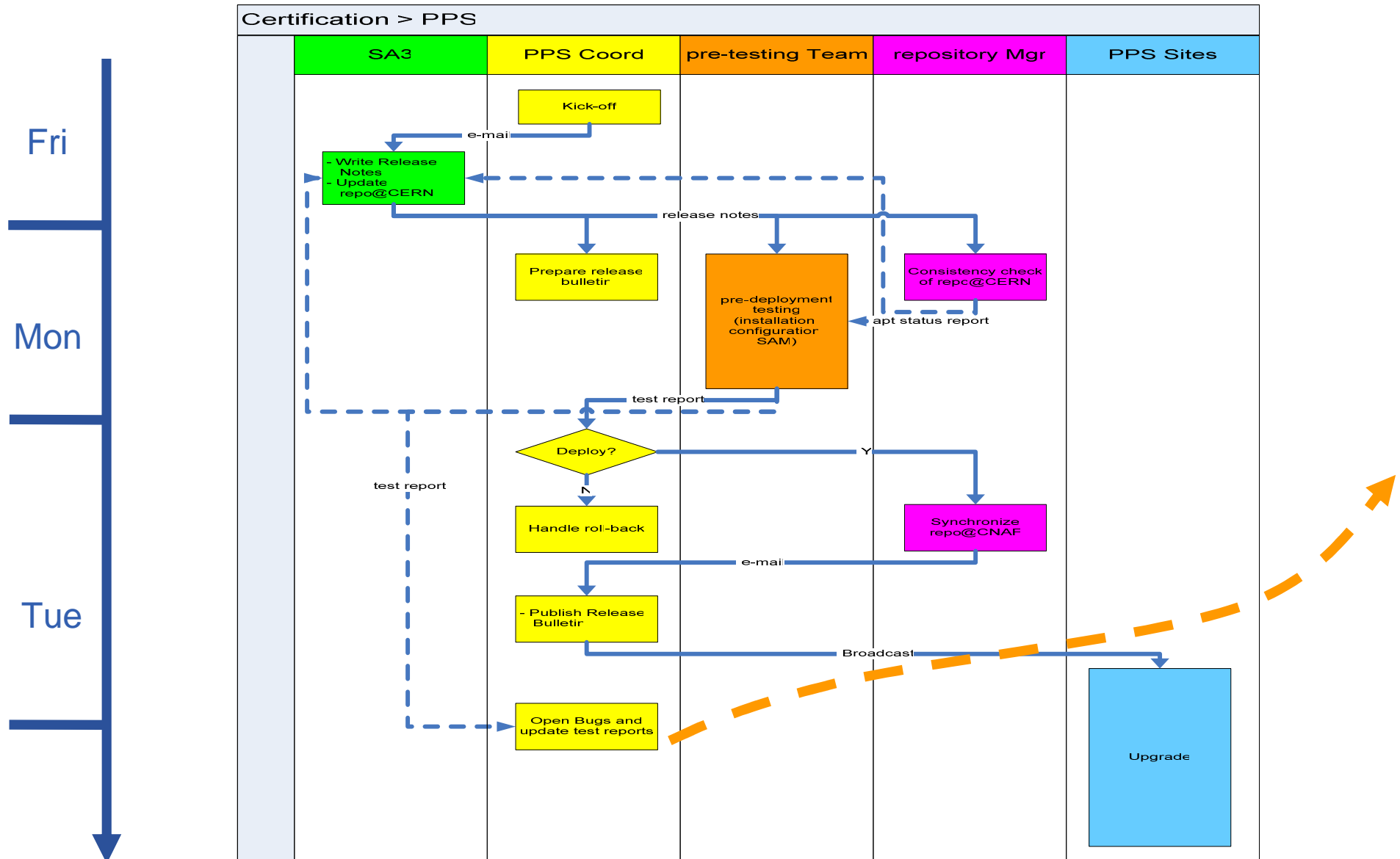


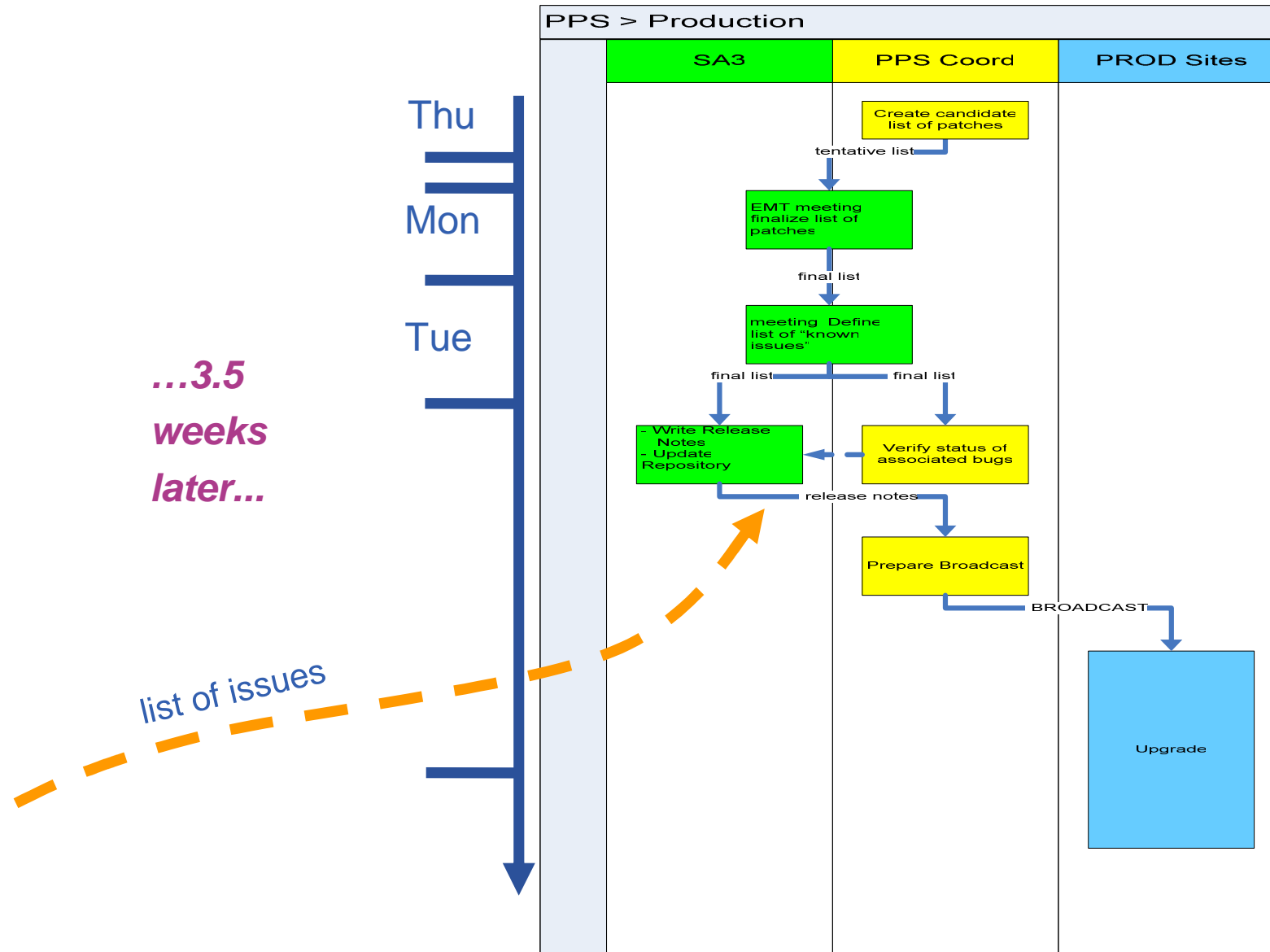
## ■ Special releases in Pre-Production

- **Urgent**
  - Patches are released at same time both in production and PPS.
- **High-priority**
  - Patches are released directly in production.
- **Blue**
  - When appears a new important feature or fix for the user community a shortening pre-production phase is released.

## ■ Standard release procedure

- **One week in PPS**
  - Each new gLite service is tested in Pre-Production for a given amount of time before it is delivered to production.





## ■ LCG Savannah development portal

Logout

**This Page**

Clean Reload

Printer Version

Related Recipes:

- Fighting Spam
- Item Privacy
- Markup Reminder
- Restricted Posting

**Search**

in Projects

**Hosted Projects**

- Register New Project
- Full List
- Contributors Wanted
- Statistics

**Site Help**

- User Docs: Cookbook
- User Docs: In Depth Guide
- Get Support
- Contact Us

**Links**

- GNU/Savane

**patch #1787: VOMS server configuration update (multiple bug fixes)**

Submitted by: Joachim Flammer <flammer>

Submitted on: 2008-04-16 16:59

[Submit Changes and Browse Items](#)




[Submit Changes and Return to this Item](#)

<u>Status:</u>	Certified	<u>Open/Closed:</u>	Open
<u>Priority:</u>	5 - Normal	<u>Assigned to:</u>	iteam
<u>Discussion Lock:</u>	Unlocked		
<u>Summary:</u> *	VOMS server configuration update (multiple bug fixes)		
<u>glite subsystem tag(s) / ETICS configuration:</u>	<pre>glite-deployment-voms-server_R_3_1_3_0 glite-deployment-config_R_3_1_2_0 ----- glite-deployment_R_3_1_0_6</pre>		
<u>glite release:</u> *	glite 3.1		
<u>RPM name(s):</u> *	<pre>glite-voms-server-config-3.1.3-0.slc4.i386.rpm glite-config-3.1.2-0.slc4.i386.rpm</pre>		
<u>Affected Metapackages:</u> *	<pre>glite-VOMS_oracle glite-VOMS_mysql</pre>		
<u>Metapackage changes:</u> *	None		
<u>External packages:</u>	None		
<u>Metapackages to be reconfigured:</u> *	<pre>glite-VOMS_oracle glite-VOMS_mysql</pre>		
<u>Metapackages to be restarted:</u> *	<pre>glite-VOMS_oracle glite-VOMS_mysql</pre>		

## Global Grid User Support (GGUS)

[FAQ/Wiki](#) · [Documentation](#) · [Training](#) · [Contact](#) · [Masthead](#)

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[Home](#) · [Submit ticket](#) · [Registration](#) · [Support staff](#)

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**GGUS Ticket-ID: 31080**

**Information Ticket-ID: 31080**

Submitter: <b>alvarosimon</b> Login (shortened): CN=alvarosimon Virtual Organisation: none User notification: on solution	Date of problem: 2008-01-08 08:27 UTC Type of problem: <b>Other</b> Priority: <b>less urgent</b> VO specific: No	Origin support group: GGUS Responsible Unit: OCC Status: <b>solved</b>
--	---	--

**Description:** gLite Release > PPS: gL 3.1.0 PPS-U13

Detailed description:  
 This ticket is used to track the history of the release of a middleware upgrade.

To the TPM: This ticket should be assigned to 'Pre-Production System'

Best Regards and happy new year,  
 PPS Coordination Team

**Attachment:**  
[download mailbody.Thu\\_10\\_Jan\\_2008\\_18.03.17\\_0100.txt](#)  
[download glite\\_3\\_1\\_0r13-Pre\\_report.tar](#)  
[download complete-report-glite\\_3\\_1\\_0-r13.txt](#)

**Solution:**  
 Release to production gLite 3.1.Update13  
 ----- Link to the Broadcast -----  
<https://cic.gridops.org/index.php?section=roc&page=broadcast&archive&action=broadcast&idbroadcast=27301>  
 -----

**Verify**  
 Dear Submitter,  
 Please check the solution of your ticket and press the button to confirm that your problem is solved.

Go here to [reopen](#) the ticket?

▶ You have the permission to act on this ticket as support staff

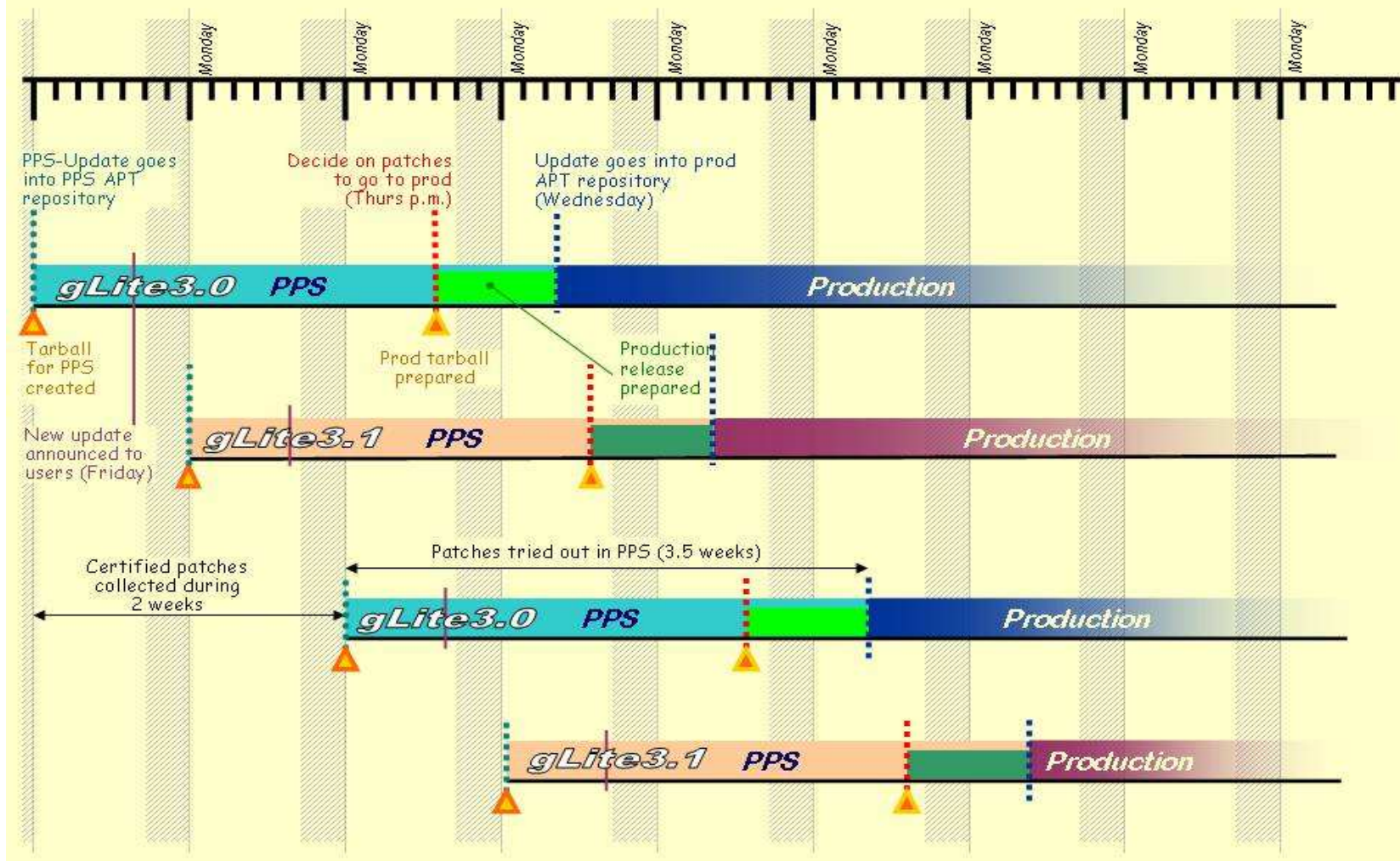
[\[Top\]](#) [\[History\]](#) [\[Modify ticket\]](#)

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**History Ticket-ID: 31080**



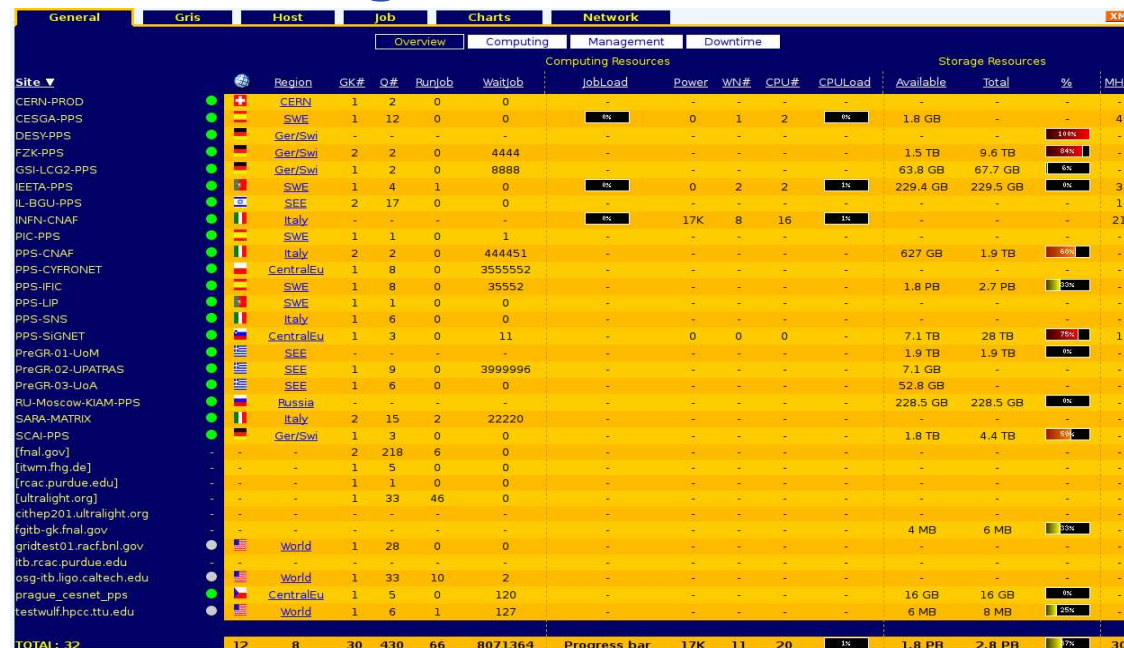
## Standard Release Schedule



## Available Resources

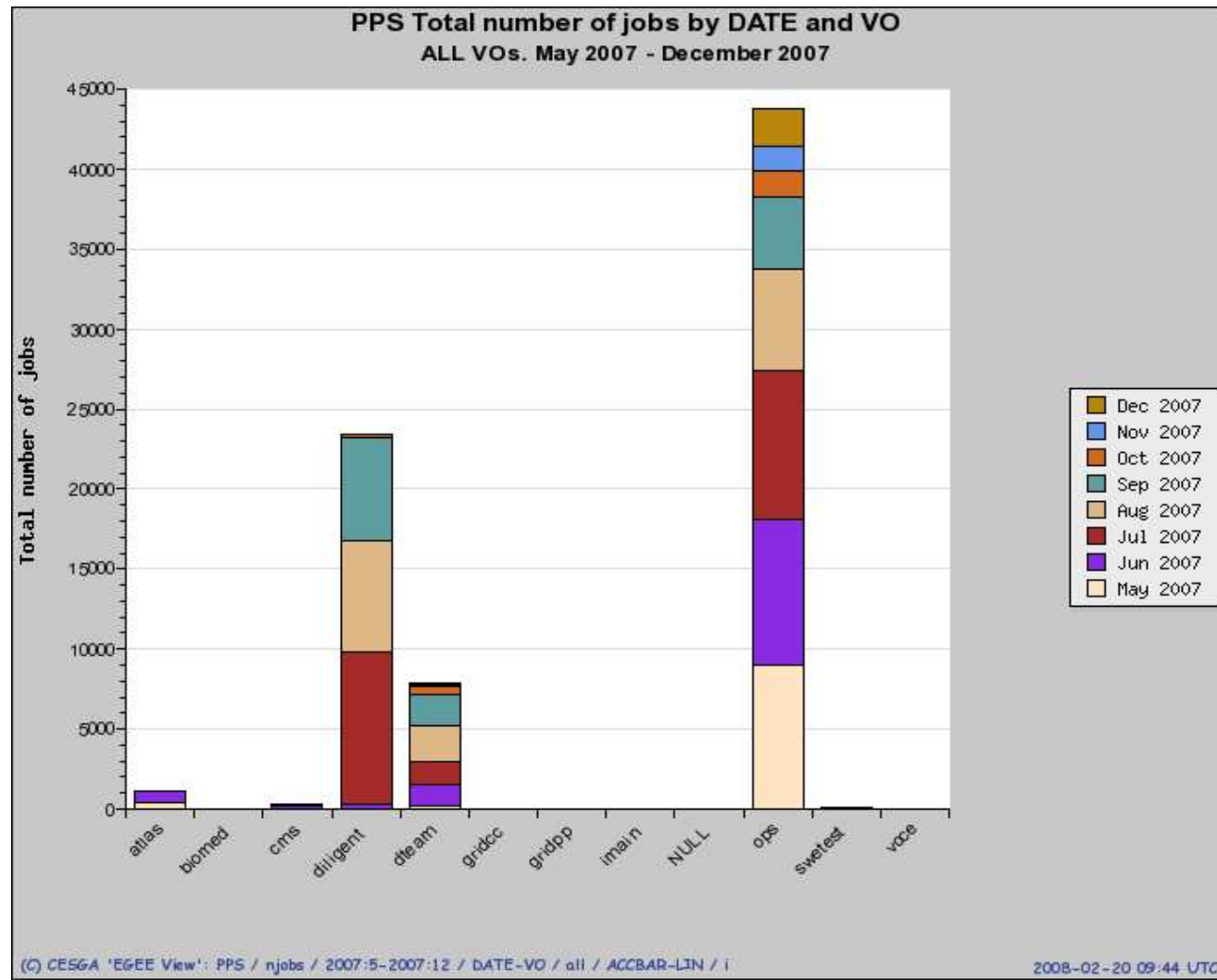
- 30 sites
- ~ 50 CEs
- ~ 16 WMS
- 4 FTS

## PPS Gridice monitoring tool



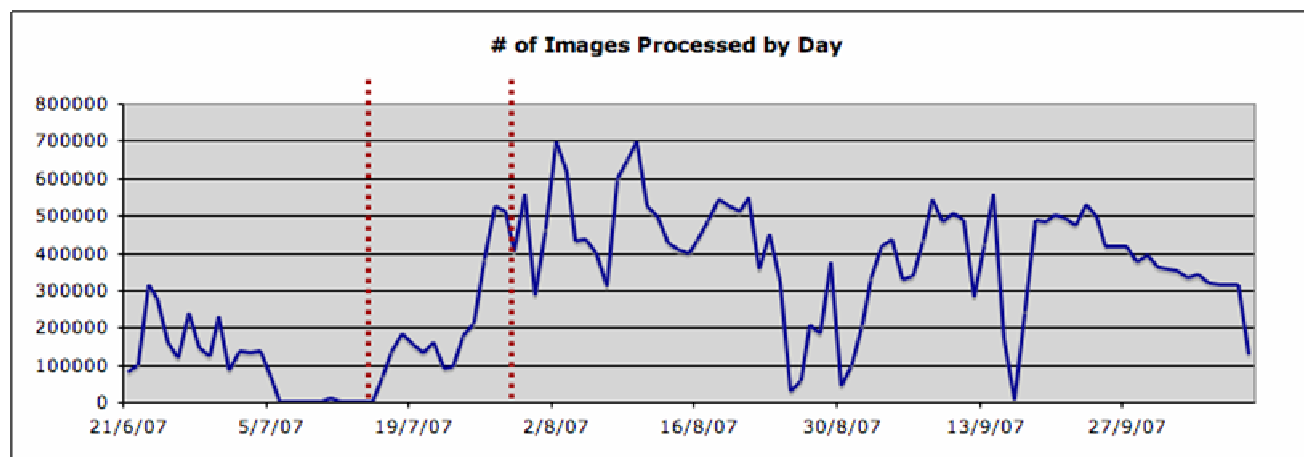
Site	Region	GK#	O#	Runjob	Waitjob	Computing Resources				Storage Resources			M#			
						JobLoad	Power	WN#	CPU#	CPUload	Available	Total		%		
CERN-PROD	CERN	1	2	0	0	-	-	-	-	-	-	-	-	-		
CESGA-PPS	SWE	1	12	0	0	6%	0	1	2	6%	1.8 GB	-	-	4		
DESY-PPS	Ger/Swi	-	-	-	-	-	-	-	-	-	-	-	-	-		
FZK-PPS	Ger/Swi	2	2	0	4444	-	-	-	-	-	1.5 TB	9.6 TB	64%	-		
GSI-LCG2-PPS	Ger/Swi	1	2	0	8888	-	-	-	-	-	63.8 GB	67.7 GB	6%	-		
HEETA-PPS	SWE	1	4	1	0	6%	0	2	2	1%	229.4 GB	229.5 GB	6%	3		
IL-BGU-PPS	SEE	2	17	0	0	-	-	-	-	-	-	-	-	1		
INFN-CNAF	Italy	-	-	-	-	6%	17K	8	16	1%	-	-	-	21		
PIC-PPS	SWE	1	1	0	1	-	-	-	-	-	-	-	-	-		
PPS-CNAF	Italy	2	2	0	444451	-	-	-	-	-	627 GB	1.9 TB	66%	-		
PPS-CYFRONET	CentralEu	1	8	0	3555552	-	-	-	-	-	-	-	-	-		
PPS-IFIC	SWE	1	8	0	35552	-	-	-	-	-	1.8 PB	2.7 PB	53%	-		
PPS-LIP	SWE	1	1	0	0	-	-	-	-	-	-	-	-	-		
PPS-SNS	Italy	1	6	0	0	-	-	-	-	-	-	-	-	-		
PPS-SIGNET	CentralEu	1	3	0	11	-	0	0	0	-	7.1 TB	28 TB	75%	1		
PreGR-01-UoM	SEE	-	-	-	-	-	-	-	-	-	1.9 TB	1.9 TB	0%	-		
PreGR-02-UPATRAS	SEE	1	9	0	3999996	-	-	-	-	-	7.1 GB	-	-	-		
PreGR-03-UoA	SEE	1	6	0	0	-	-	-	-	-	52.8 GB	-	-	-		
RU-Moscow-KIAM-PPS	Russia	-	-	-	-	-	-	-	-	-	228.5 GB	228.5 GB	0%	-		
SARA-MATRIX	Italy	2	15	2	22220	-	-	-	-	-	-	-	-	-		
SCAI-PPS	Ger/Swi	1	3	0	0	-	-	-	-	-	1.8 TB	4.4 TB	5%	-		
[fnal.gov]	-	2	218	6	0	-	-	-	-	-	-	-	-	-		
[twm.fhg.de]	-	1	5	0	0	-	-	-	-	-	-	-	-	-		
[rcac.purdue.edu]	-	1	1	0	0	-	-	-	-	-	-	-	-	-		
[ultrahlight.org]	-	1	33	46	0	-	-	-	-	-	-	-	-	-		
cithep201.ultrahlight.org	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
fgtb-gk.fnal.gov	-	-	-	-	-	-	-	-	-	-	4 MB	6 MB	52%	-		
gridtest01.rcac.bnl.gov	World	1	28	0	0	-	-	-	-	-	-	-	-	-		
itb.rcac.purdue.edu	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
osg-itb.ligo.caltech.edu	World	1	33	10	2	-	-	-	-	-	-	-	-	-		
prague_cesnet_pps	CentralEu	1	5	0	120	-	-	-	-	-	16 GB	16 GB	0%	-		
testwulf.hpcc.ttu.edu	World	1	6	1	127	-	-	-	-	-	6 MB	8 MB	28%	-		
<b>TOTAL: 32</b>		<b>12</b>	<b>8</b>	<b>30</b>	<b>430</b>	<b>66</b>	<b>8071364</b>	<b>Progress bar</b>	<b>17K</b>	<b>11</b>	<b>20</b>	<b>1%</b>	<b>1.8 PB</b>	<b>2.8 PB</b>	<b>7%</b>	<b>30</b>

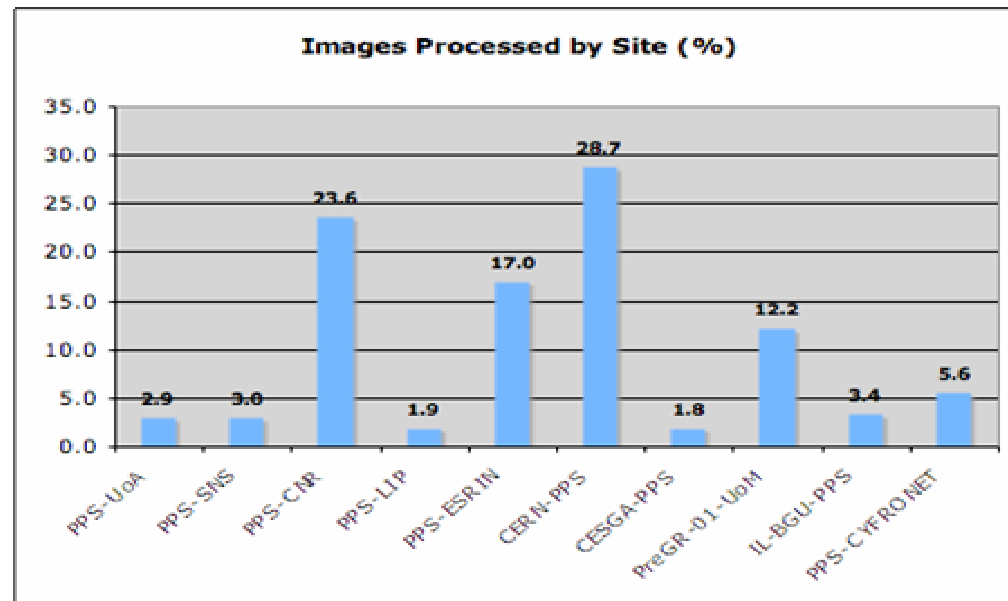
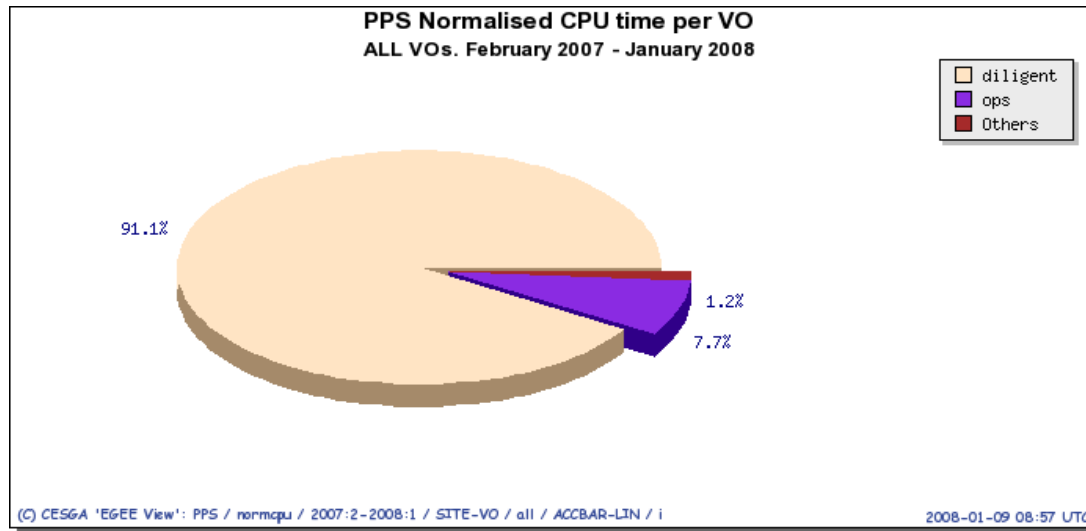
## VOs in Pre-Production



## Diligent VO

- In Diligent data challenges one of the worlds largest collections of multimedia metadata for research purposes was created.
- 1000 jobs were submitted per day to PPS sites.
- Each job processes 1000 images.
- 37 million images were processed in 16 weeks.





## ■ How to join to PPS

### • USERS

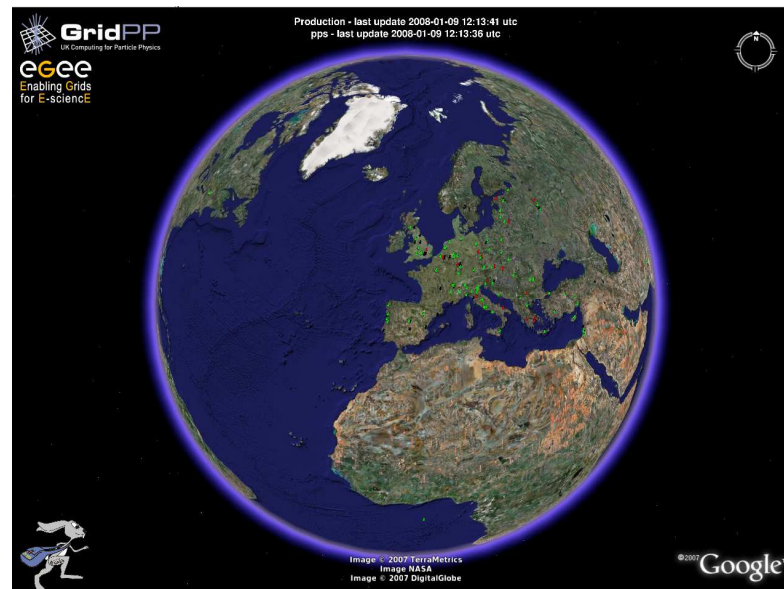
- They must belong to an existing organization which is supported on PPS.
- Install their own UI or use an existing one.
- Register with the “Pre-Production users” mailing list [project-eu-egee-users@cern.ch](mailto:project-eu-egee-users@cern.ch)

### • VOs

- New VOs must contact [pps-support@cern.ch](mailto:pps-support@cern.ch) and experts will help them to find the best way to profit of the Pre-Production service.
- More information on how to start a VO in PPS can be found in: [http://pps-public-wiki.egee.cesga.es/cgi-bin/moin.cgi/New\\_Vo](http://pps-public-wiki.egee.cesga.es/cgi-bin/moin.cgi/New_Vo)

## ■ Conclusions and Future Work

- At this moment PPS service is in re-organisation process.
- Principal aims are:
  - Allow VOs to use the PPS for testing.
  - Make more effective usage of resources.
- PPS updates will be service oriented instead of monolithic updates.



## ■ Pre-Production Web Page

- <http://egee-pre-production-service.web.cern.ch/egee-pre-production-service>

## ■ Pre-Production Accounting Portal

- [http://www3.egee.cesga.es/gridsite/accounting/CEGA/pps\\_view.html](http://www3.egee.cesga.es/gridsite/accounting/CEGA/pps_view.html)

## ■ PPS Wiki

- <http://pps-public-wiki.egee.cesga.es>

## ■ Diligent Web Page

- <http://www.diligentproject.org>



# Thank you!

And remember...



Use PPS service with care