

A vertical strip on the left side of the slide contains a grayscale background image showing several blue, spherical objects, possibly molecules or data points, arranged on a light-colored grid.

# Software Rollout to the Production Infrastructure

## Feedback from the EAs

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# Outline

- Introduction
- Overview EAs
- Feedback Rollout Procedure
- Feedback Testing
- Feedback Collaboration Tools
- Credits

- Fraunhofer Institute for Industrial Mathematics (ITWM) founded in November 1995
- Fraunhofer Institute since 2001 (the first one with focus on mathematics)
- 8 Departments (focusing on applied mathematics)
- 210 employees as well as around 160 research assistants
- Total budget in 2009: 15,2 Mio Euro
- Web site at  
<http://www.itwm.fraunhofer.de/>



- Running Cluster “Fornax” since EGEE-I
- EA site for gLite 3.2 services
  - glite\_DPM\_mysql (SL5 64bit)
  - glite-WN + TORQUE client (SL5 64bit)
  - former PPS site since Q4/2008
- Backup for GOCDB web frontend
- ROD (together with Fraunhofer SCAI) since EGEE-II

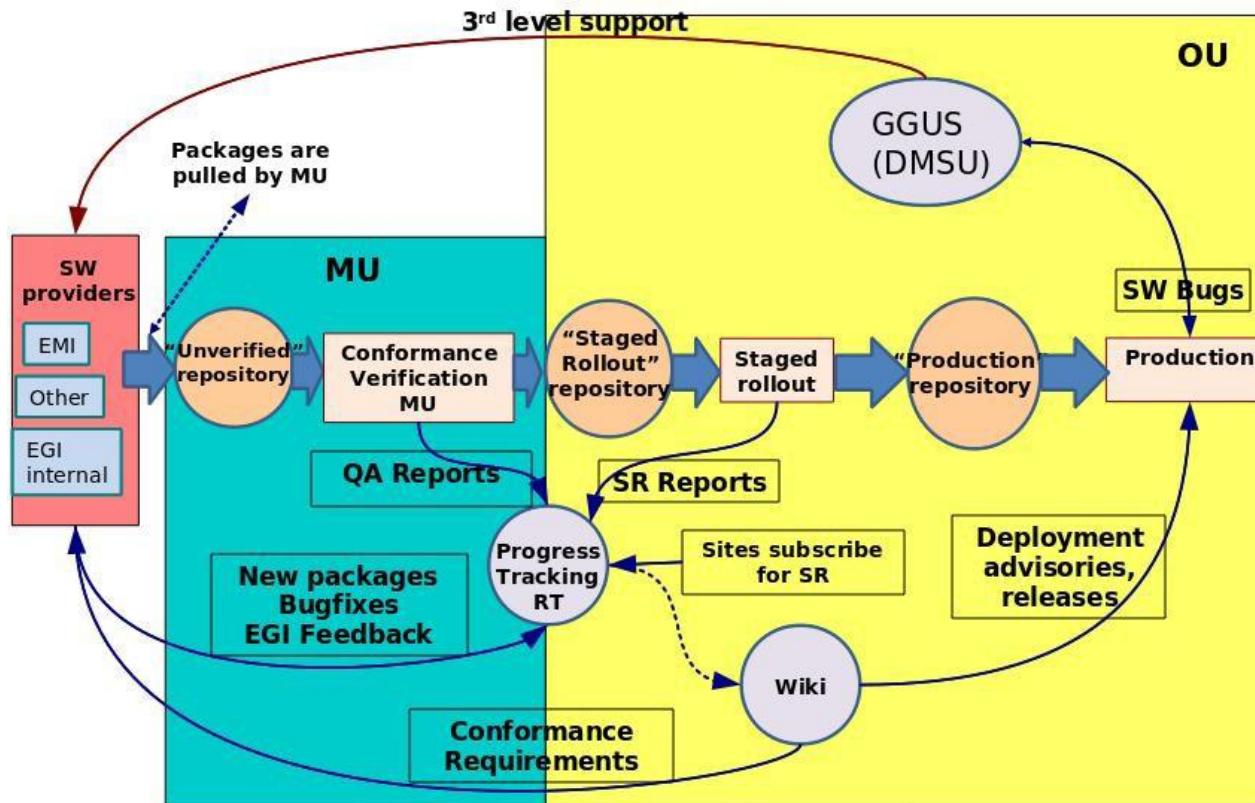
- 36 WNs in two subclusters
  - 20 WNs gLite 3.1 (SL4 32bit)
  - 16 WNs gLite 3.2 (SL5 64bit)
- 2 SE, 2 CE, 2 UI nodes, MON node
- Supported VOs
  - CMS, Atlas, LHCb, Alice, Biomed, (OPS, dteam, DECH)...
- Contact  
[egee-admin@itwm.fraunhofer.de](mailto:egee-admin@itwm.fraunhofer.de)

- Info available from EGI Wiki  
<https://wiki.egi.eu/wiki/Staged-Rollout>
- List of EAs  
[https://wiki.egi.eu/wiki/Early\\_Adopters](https://wiki.egi.eu/wiki/Early_Adopters)
- List of components  
<https://wiki.egi.eu/wiki/Components>
- Description of current SR procedure  
<https://wiki.egi.eu/wiki/Transition>  
(valid for transition from EGEE to EGI)

- Early Adopters (EAs) are part of the Staged Rollout Procedure for middleware (MW) components or operational tools
- The EA site(s) (production site) installs new versions of middleware components or operational tools and report their experiences and observations back
- Based on the outcome the new version will be made generally available or rejected
- Full details are described in “Deploying Software into the EGI Production Infrastructure”, (aka MS402)

<https://documents.egi.eu/document/53>

# EA Overview



(From: M. David, "Deploying Software into the EGI Production Infrastructure")

# EA Overview

- Currently 30 EA sites, mostly for gLite 3.2 services
- EAs for other middleware stacks missing
  - ARC: 0 EAs
  - UNICORE: 1 EA (on hold, awaiting adaption of central EGI services like GOCDB)
  - GLOBUS: 1 EA
- More EAs for operational tools needed as well
- Most sites do no plan to expand their commitment  
(except AEGIS: new SL5 services VOMS, WMS, PX)

# Rollout

- Announcements need to be done early
- Time constraints hard to meet  
(less than one day for critical fixes)
- Special downtime for EA tests should be present  
(no impact on availability/reliability metric)
- Repository names unintuitive, structure changes quite often
- Use of many repositories might be problematic  
(repository preparation, incompatible packages in external repositories)

# Testing

- Information by software providers similar to ServiceReferenceCard should be present (location of log files, open ports, daemons running, ...)
- Prerequisites must be documented (other patches, OS packages and updates)
- Metrics for test result must be defined (grace period not sufficient if the service is unused)
- MS402 mentions a SR report, more details are needed
- Support other MW stacks in regional tools (NAGIOS)

- Clarify use of GGUS, Savannah, RT, Wiki
- RT is new to most users
- Support multiple RT queues for middleware stacks and operational tools
- Handling of multiple EAs for one service in RT
- Allow read access to RT tickets for everyone  
(SR test reports)
- Forward RT ticket traffic to EA mailing list ?  
(MS 402: only EAs get followups)

# Credits

- Alvaro Fernandez Casani [Alvaro.Fernandez@ific.uv.es](mailto:Alvaro.Fernandez@ific.uv.es)
- Angela Poschlad [Angela.Poschlad@kit.edu](mailto:Angela.Poschlad@kit.edu)
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- Mario David [david@lip.pt](mailto:david@lip.pt)
- Mathilde Romberg [m.romberg@fz-juelich.de](mailto:m.romberg@fz-juelich.de)  
on behalf of the UNICORE EAs

# Questions

Are there additional remarks  
or questions ?