

# EGI Software Repository

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GRNET

- Purpose
- Functionality
- Web Portal
- Workflow
- What's next

- To be the central point for all software distributed by EGI
- It contains
  - Universal Middleware Distribution
  - JRA1 Software (Operational Tools)
  - CA
  - Etc.

- Currently
  - APT
  - YUM
  - Web portal (<http://repository.egi.eu>)
- Next release
  - RSYNC from Software Providers
  - Event Driven by RT
  - All interactions with software providers and/or Certification teams will be handled through RT



# Web Portal

All Releases

UMD Repo Portal  
Maintained by EGI

EGI

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RSS

**Under Development**  
  
Please note that the UMD Repository is still under development. Feel free to provide feedback [here](#).

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**Introduction**  
27/04/2010 admin

The UMD/EGI Repo Portal provides a unified point of contact for users to access the software repositories. It provides the users with a search interface to access packages and instructions on the use of repos for software developed for the EGI project, using metadata provided by the software providers.

The European Grid Infrastructure (EGI) represents the established, sustainable grid infrastructure in Europe. Driven by the needs and requirements of the research community, it is expected to enable the next leap in research infrastructures, thereby supporting collaborative scientific discoveries in the European Research Area (ERA).

The main foundations of EGI are the National Grid Initiatives (NGI), which operate the grid infrastructures in each country. EGI will link existing NGIs and will actively support the setup and initiation of new NGIs.

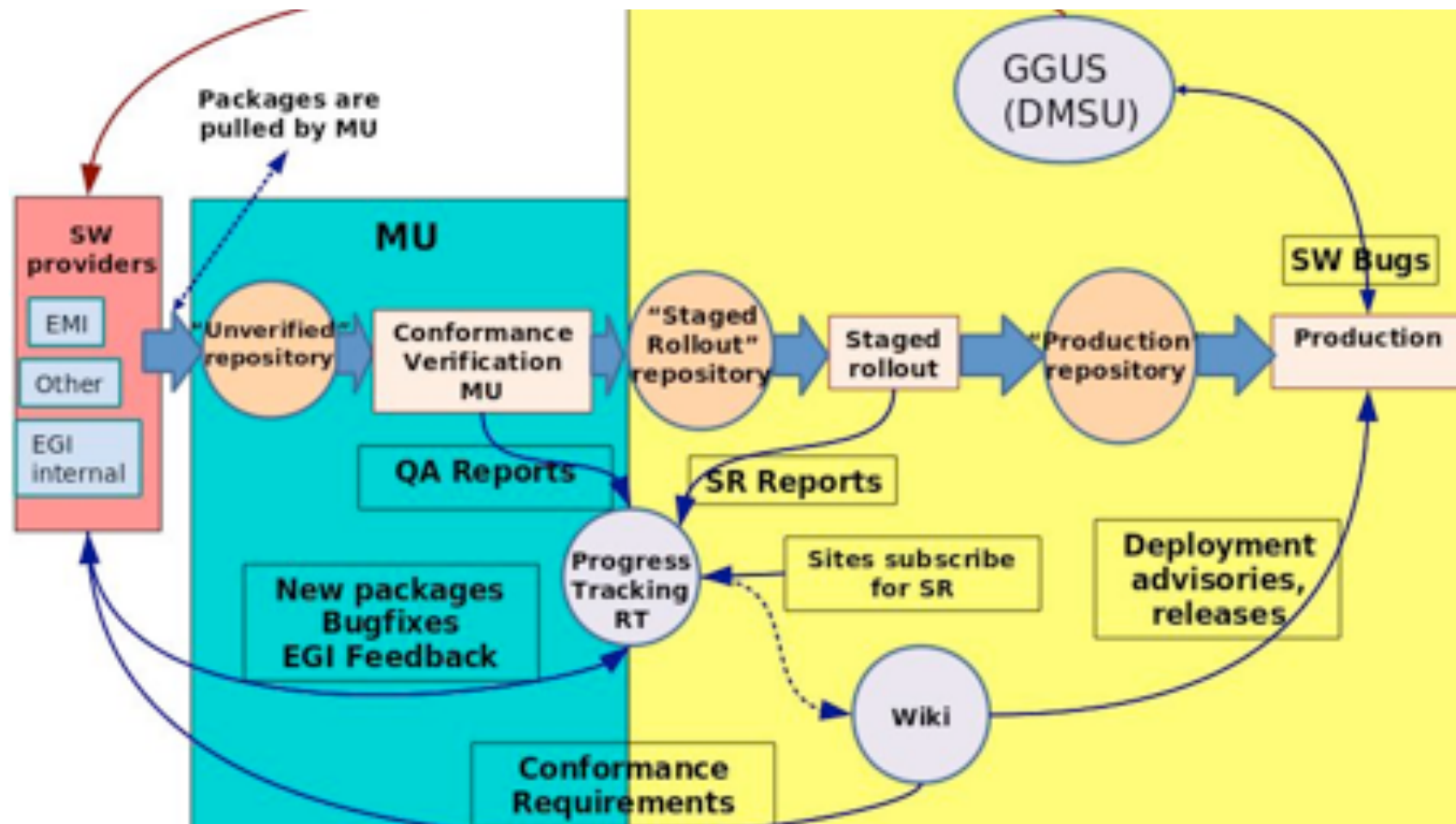
The main software stack provided is gLite. The gLite distribution is an integrated set of components designed to enable resource sharing. In other words, this is middleware for building a grid.

The gLite middleware is produced by the EGI project. In addition to code developed within the project, the gLite distribution pulls together contributions from many other projects, including LCG and VDT. The distribution model is to construct different services ('node-types') from these components and then ensure easy installation and configuration on the chosen platforms (currently Scientific Linux versions 4 and 5, and also Debian 4 for the WNs).

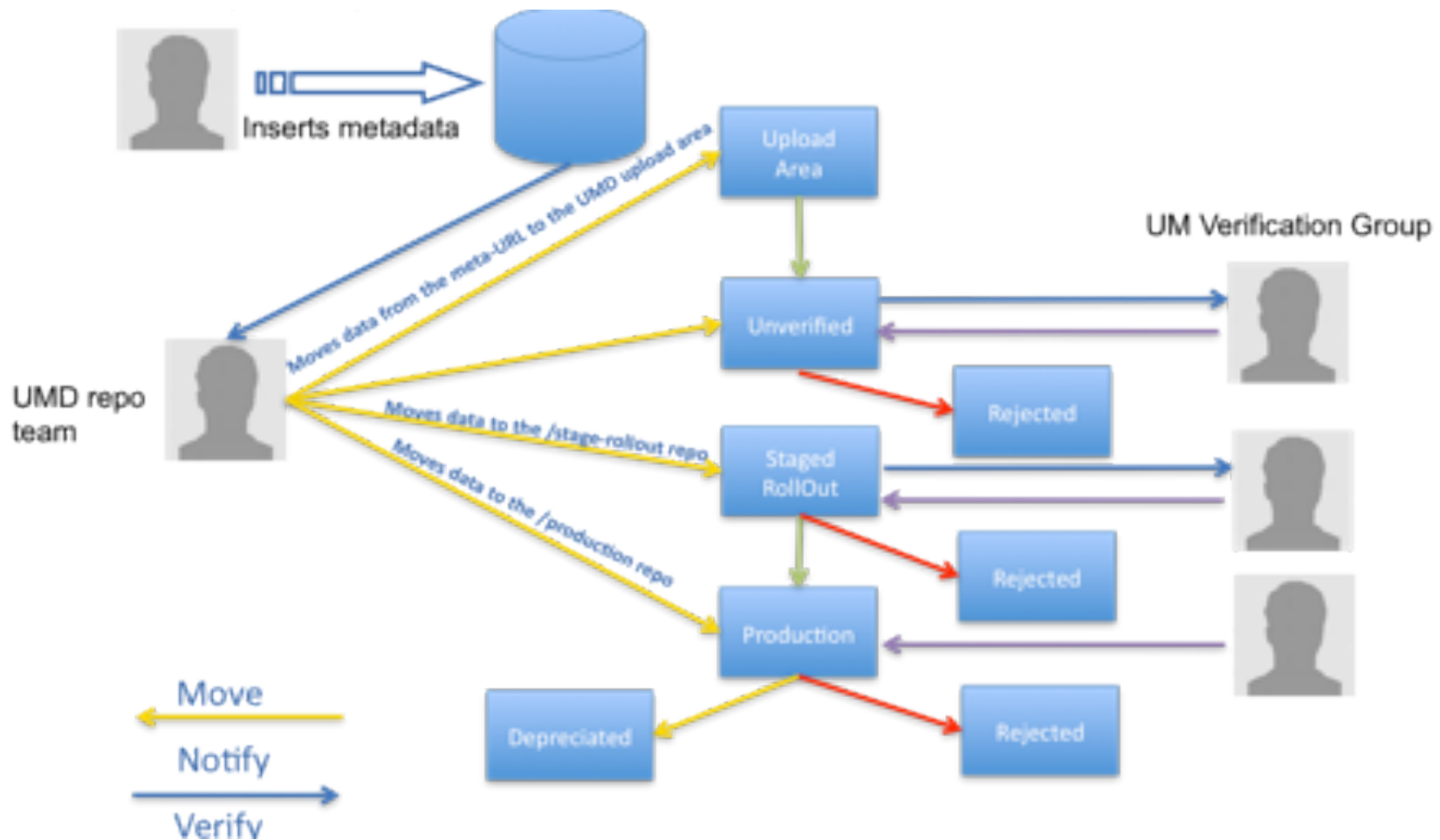
gLite middleware is currently deployed on hundreds of sites as part of the EGEE project and enables global science in a number of disciplines, notably serving the LCG project.

EGI  
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# Workflow



# Workflow con't



- 1<sup>st</sup> workflow tests in collaboration with JRA1 for Operational Tools.
- Implement the Software Release Cycle in RT.
- 2<sup>nd</sup> Version to be released 1<sup>st</sup> Quarter 2011
- Talks with the Software Providers (EMI, IGE etc).
- Scalability Tests for the front end (aka **USE** it)



# Thank you

Questions to Mario ?