



# **EMI 1 (Kebnekaise) Current and Future Releases**

Cristina Aiftimiei (INFN)  
EMI Release Manager

*WLCG GDB  
CERN, 12 October 2011*

# EMI 1 Updates – General Links



- EMI 1 planned products updates
  - [http://bit.ly/all\\_active\\_tasks](http://bit.ly/all_active_tasks)
- Near/next Update
  - <http://bit.ly/EMI1UpdatesReady>
- EMI 1 products releases under preparation
  - <http://bit.ly/EMI1UpdatesOpen>

# Latest EMI 1 Update



- Update 7 – 22.09.2011

- minor releases:

- **ARGUS**, [v. 1.4.0](#)

- implement memory limit & change default logging configuration
      - fix TERENA certificate problem (repackaged)
      - fix PEPd - doesn't update link timestamp in gridmapdir

- **UNICORE TSI** , [v. 6.4.1](#)

- **UNICORE/X**, [v. 6.4.1](#)

- revision releases:

- **CEMon**, [v. 1.13.2](#)

- fix CEMon consumer (OSG) & Glue2 publication (yaim)

- **gLExec-wn**, [v. 1.0.1](#)

- configuration fix (yaim) & LCMAPS plugins verify-proxy ([GGUS #67040](#))

- **UNICORE client**, [v. 6.4.1](#)

# Next Update

- **Update 8 – 13.10.2011:** <http://bit.ly/EMI1UpdatesReady>
  - minor releases:
    - **ARC products, v.1.1.0** ([Core](#), [CE](#), [Clients](#), [gridftp server](#), [Infosys](#))
      - publish version information
      - Nagios probes
      - bug fixes
    - **glite-MPI, v. 1.1.0**
      - support for processor and memory affinity in MPI-Start
      - Allow definition of no. of processes per core, socket or host (MPI-START)
  - revision releases:
    - **APEL parsers, v.1.0.1**
      - Bug fixes for SGE and LSF parsers
    - **dCache, v. 1.9.12-10**
      - fixed bugs in the pool, poolmanager, spacemanager and transfermanager services

# EMI 1 products upcoming releases



- <http://bit.ly/EMI1UpdatesOpen>
- Major releases:
  - **CREAM SGE module** [v. 1.0.0](#)
    - Support for "Open Grid Scheduler" SGE implementation
  - **HYDRA** [v. 1.0.1](#)
    - First release in EMI

# EMI 1 products upcoming releases (2)

- Minor releases:
  - [DPM](#) & [LFC](#) v. 1.8.2
    - support for Catalog Synchronization (SEmsg)
    - improved scalability of all frontend daemons
    - faster DPM drain & better balancing of data among disk nodes
    - log to syslog & GLUE2 support
  - **L&B**, [v. 3.1.0](#)
    - Nagios probes & bug fixes
  - **StoRM SE**, [v. 1.8.0](#)
    - YAIM configuration improvements
    - Source RPMs packaging
    - Bug fixes:
      - Correction of Glue 2 and dynamic information publication
      - Memory leak on BackEnd REST service calls

# EMI 1 products upcoming releases (3)

- Revision releases:

- **BLAH**, [v. 1.16.3](#)

- improve support for SGE
    - fixes problems related to the growth of the blah registry and Bupdater & BUpdaterPBS issues

- **GFAL/lcg\_util**, [v.1.11.19](#), fixing

- is-interface - memory corruption & consolidate file names & wrong dependency on Globus
    - removal of gSOAP log file generation
    - lcg-cr & lcg-cp with list of bdii's issue

- **WMS**, [v. 3.3.4](#), fixing

- ICE doesn't send the iceld to CREAM
    - WMS stops accepting jobs after 31999th submission for the same DN (on ext3) –workaround is to use ext4
    - WMS 'hangs' after several hours of operation
    - Configuration issues (yaim) - wrong permissions, Glue2 template



# EMI Products not yet in UMD

- **UMD redistributes EMI products**
  - No changes
  - Additional testing & verification
- **UMD 1.2.0 (12.09.2011):**
  - [http://bit.ly/umd\\_1\\_2\\_0](http://bit.ly/umd_1_2_0)
- **EMI 1 products not in UMD**
  - In verification:
    - CEMon, v. 1.13.3, UNICORE, v. 6.4.1
  - Stage-Rollout failures:
    - MPI, StoRM v. 1.7.1, WMS
  - Queued:
    - BDII core v. 1.1.0, BDII site v. 1.0.1, BDII top v. 1.0.1, ARGUS v.1.4.0, gLExec-wn, v.1.0.1
  - Not planned for inclusion:
    - AMGA, LFC\_oracle, VOMS\_oracle, FTS



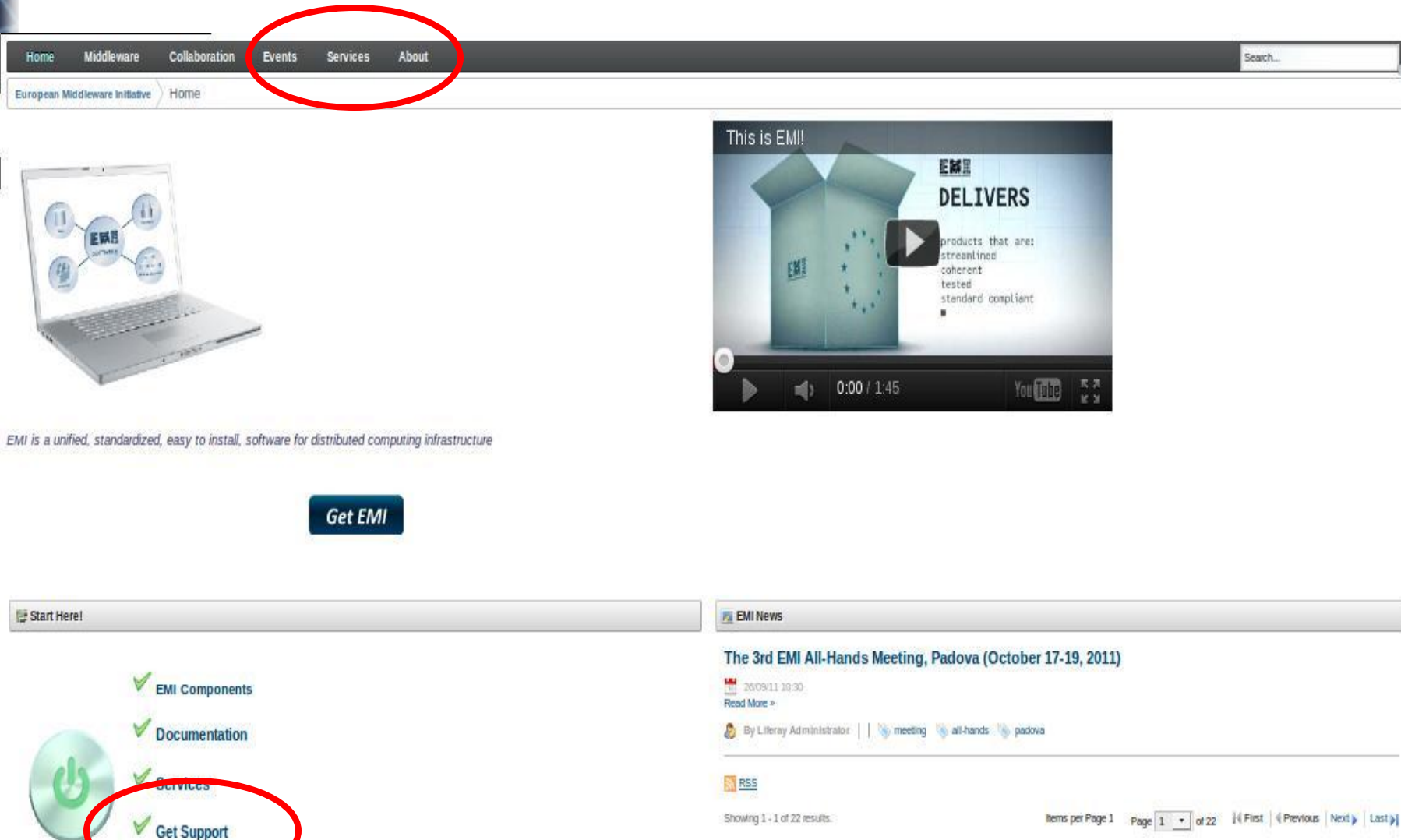
# EMI User Support and Requirements



- Sources of requirements
  - EGI-TCB: formal requests communicated via EGI Tracker
  - WLCG: requests communicated via various channels (MB, GDB, existing trackers)
  - Users: direct communication with PTs
- Handling of requirements
  - PTB assesses, categorizes and prioritizes requirements
  - Endorsed requests are translated into objectives, then to development tasks
- HOWEVER:
  - mechanism to submit requirements to EMI was not clearly presented on the web-site
  - Situation was fixed ASAP =>

# EMI User Support and Requirements

- <http://www.eu-emi.eu/home>



The screenshot shows the homepage of the European Middleware Initiative (EMI). The top navigation bar includes links for Home, Middleware, Collaboration, Events, Services, and About, with 'Events' and 'Services' circled in red. Below the navigation bar, there is a search box and a breadcrumb trail showing 'European Middleware Initiative' and 'Home'. The main content area features a laptop displaying the EMI logo on the left and a video player on the right. The video player shows a video titled 'This is EMI!' with a play button and a description: 'DELIVERS products that are: streamlined, coherent, tested, standard compliant'. Below the video player, there is a 'Get EMI' button. At the bottom left, there is a 'Start Here!' section with a list of links: 'EMI Components', 'Documentation', 'Services', and 'Get Support', with 'Services' and 'Get Support' circled in red. At the bottom right, there is an 'EMI News' section with a headline 'The 3rd EMI All-Hands Meeting, Padova (October 17-19, 2011)' and a 'Read More' link. Below the news section, there is an RSS feed icon and a pagination bar showing 'Showing 1 - 1 of 22 results' and 'Items per Page 1 Page 1 of 22'.

12/10/2011

WLCG GDB, 12 October 2011

10

# EMI User Support and Requirements

- <http://www.eu-emi.eu/services>



Sign In

Home Middleware Collaboration Events **Services** About

Search...

European Middleware Initiative > Services > Tracking System

## Community

- Documentation
- Training
- FAQs
- Forums and Mailing Lists
- Distribution Channels
- Support

## EMI support

### Get Support and send requirements via GGUS

EMI is using an instance of the **Global Grid User Support (GGUS)** tool as its user support system. It has been developed in the EGEE projects and is applied by the EGI infrastructure. Using the same tool at both sides, infrastructure and middleware, simplifies the interface between them. GGUS provides EMI with sophisticated search functionality, report generation, interfaces to bug tracking systems used by different middleware components, and automatic ticket reminder including escalation indication.



EMI support is organized in GGUS Support Units (SUs), one for each product or group of components plus a generic EMI SU. Supporters involved in a SU are notified when a ticket gets assigned to their SU, so they can process it immediately. Priorities indicate the urgency for a solution to an incident and service level agreements with the EMI customers specify the time frame in which tickets have to be dealt with.

The EMI GGUS system has interfaces to the middlewares' bug tracking systems. All middleware bugs and feature requests will be forwarded to the respective bug tracking system and the solutions are fed back to the GGUS system.

[https://gus.fzk.de/ws/ticket\\_search.php](https://gus.fzk.de/ws/ticket_search.php) offers the interface to the ticket search engine.



**Thank you**

EMI is partially funded by the European Commission under Grant Agreement INFISO-RI-261611