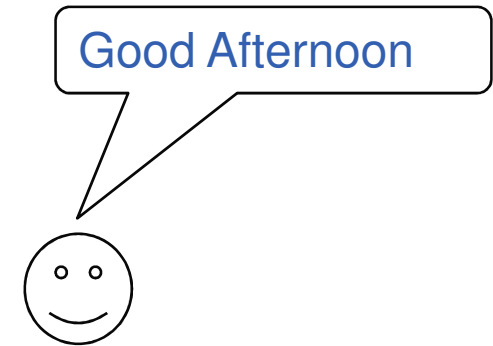


Staged Roll-out: status report

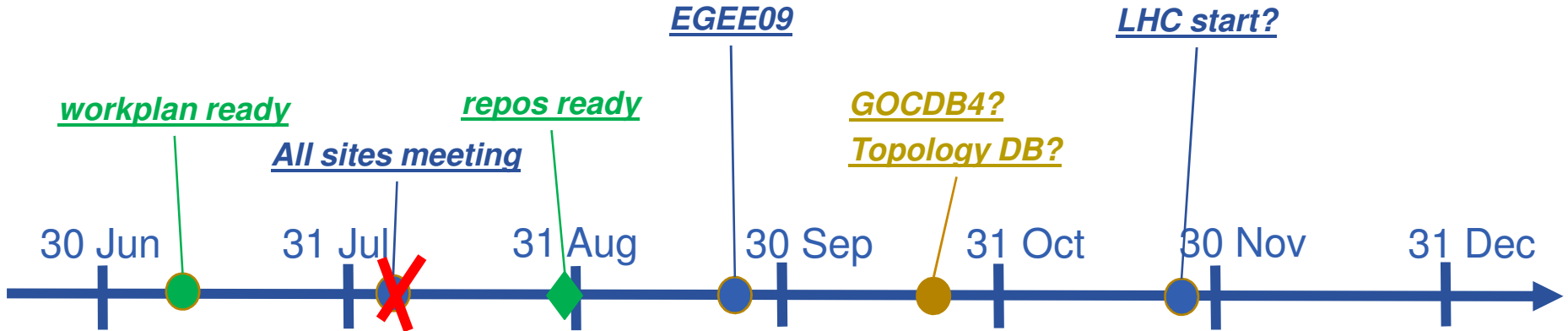
Antonio Retico

SA1 Coordination Meeting
Barcelona, 24 Sep 2009

- **Transition to staged roll-out**
 - General progress report
 - Detail on changes since end of July
- **Points for discussion**
- **References**



- **Presentation on staged roll-out process at EGEE09**
 - <http://indico.cern.ch/contributionDisplay.py?contribId=373&sessionId=84&confId=55893>
- **Now following the transition plan for SA1**
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/StagedRolloutSA1>
- **Progresses on plan presented the 28th of July**
 - <http://indico.cern.ch/materialDisplay.py?sessionId=2&materialId=2&confId=64396>



preparation

- ✓ Transition plan
- ✓ Coordination with SA3
- ✓ Requirements for GOCDB4
- ✓ Prepare release documentation
- ✓ Adapt PPS tools

transition 1

- ✓ task-based reporting
- ✓ Populate PPS registry
- ✓ Documentation
 - ✓ Management procedures
 - ✓ Test reports pages
- Start the operations
- Discontinue PPS deployment test
- Sam and GridMap displays

transition 2

- Commitments into GOCDB
- Modify PPS tools
- Transfer resource mgmt to ROCs/NGI

consolidation

- Add more PROD sites
- Interface with regional MW re-distributions

- ✓ Agree with SA3 on the general lines (5th Jun)
- ✓ Prepare transition plan (2nd Jul)
- ✓ Requirements for GOCDB4 (2nd July)
- ✓ Agree with SA3 on timelines for repositories/release pages (13th July)
- **Prepare release documentation**
 - Service-oriented release pages (MODIFIED)
 - Repositories
 - on SA3, due by the end of August
- ✓ **Configure PPS tools (20th August)**
 - ✓ Registry, task manager, templates, documentation
 - ✓ on Antonio, due by mid August

- **UMD release structure still under discussion**
- **Several assumptions fell. E.g.:**
 - Service-oriented independent repositories
 - Update number
- **Situation under control**
 - Full convergence with SA3 on immediate technicalities
 - Release tools ready (in theory)
 - **But never tried yet**



- ✓ **Start task-based reporting for deployment testing (11th Aug)**
 - ✓ Change of habit for sites
 - ✓ All-sites meeting to discuss it (CANCELED)
- ✓ **Re-configuration of sites in the PPS registry (20th Aug)**
- ✓ **Update documentation pages**
 - ✓ Management procedures (8th Sep)
 - ✓ Test reports pages (17th Sep)
- **As soon as repos ready (31 Aug): start the operations**
 - Exercising with all upcoming releases
 - Refine the procedures
 - Discuss at EGEE conference
 - Ideally PPS deployment test completely abandoned by mid September
- **Set-up Sam and GridMap displays**
 - Config changes done in BDII
 - No changes required in SAM and Gridmap
 - Instance of SAM Portal to be modified (**NEW**)

- **4 PPS Updates → 74 tasks issued**
 - 48 Done
 - 15 rejected (invalid)
 - 11 Pending (ghosts)

- **Rejections mostly due to wrong assignments**
 - E.g. wrong version of OS/architecture
 - Fixed in PPS registry
 - **What about GOCDB ?**



- **ASTAS (Automatic Savannah TAsk Submission)**

- Wrapper of the savannah “API” from SA3
- Mini tutorial

- <https://twiki.cern.ch/twiki/bin/view/Main/AstasMiniTutorial>

- A simple user guide for the “release” use case

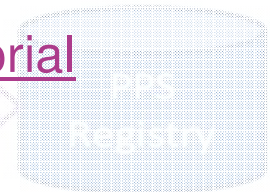
- On AFS:

- [/afs.cern.ch/project/gd/egee/www/preproduction/ActivityManagement/astas/usage_v2.txt](https://afs.cern.ch/project/gd/egee/www/preproduction/ActivityManagement/astas/usage_v2.txt)

- **Automatically generated Test Report pages**

- Available for the latest PPS releases

- www.cern.ch/pps/index.php?dir=./ActivityManagement/astas/REPORTS/



- **In theory everything is ready. We could:**
 - Suspend PPS deployment test
 - Replace it on the fly with staged roll-out
- **A lot of conflicts with other releases during August**
 - Urgent fixes to be managed with the “stable” process
 - Many others coming in the next month.
 - Difficult for us and SA3 to find a “quiet” slot to test the procedure
- **A “staged” release is in the pipeline**
 - https://gus.fzk.de/ws/ticket_info.php?ticket=51579
 - Partially overlapped with deployment test
 - PPS sites may expect some duplication of tasks (sorry!)



- **All involved sites tested with SAM**
- **Single SAM display still to be configured**
 - Not a big deal (I hope)

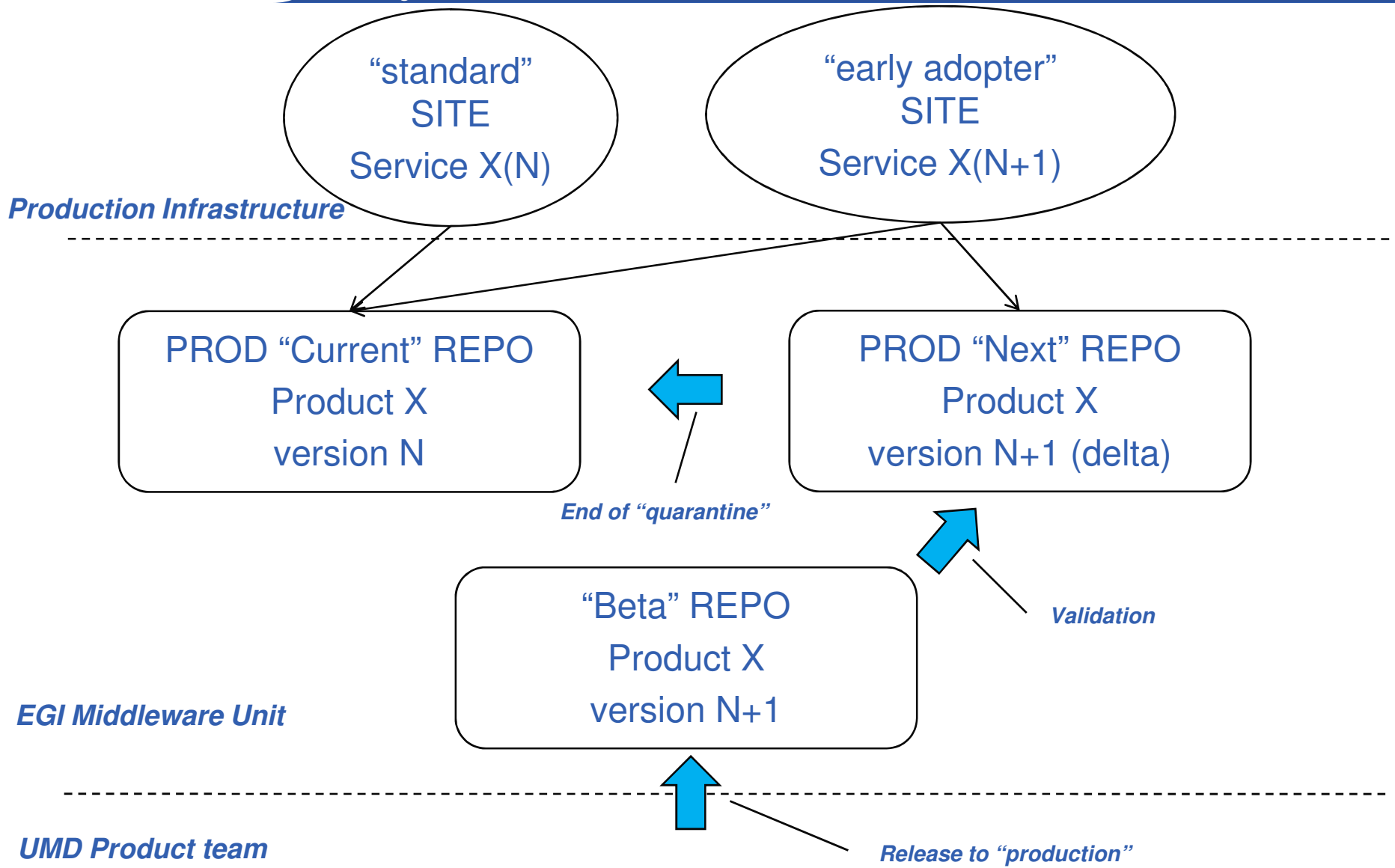


- **Transfer commitments from PPS registry to GOCDB**
 - On the sites
- **Topology db (Canceled)**
 - Export of sites GOCDB → Topology DB
 - Adaptation of displays (SAM, Gridmap, lists on websites ...) (?)
- **Adaptation of the PPS tools (ASTAS) (NEW)**
 - Registration info taken from GOCDB
 - On Antonio

- **Recruit more production sites**
 - On the ROCs and SA1 coord
- **Interface to regional MW distributions ? (NEW)**
- **Training for ROCs/NGIs**
 - Use of tools for local programs

- **Support for OS/arch in commitment registry**
 - Implemented in PPS registry
 - Feasible in **GOCDB** ?
 - If not, be prepared to receive invalid tasks. E.g.
 - Site ITWM supports SL5 WN
 - Site ITWM receives deployment tasks for SL4 WNs
- **PPS registry supports ACLs**
 - Anyone willing to try and maintain their own commitments ?
 - Or better to wait for GOCDB?
- **For example**
 - Release managers of Local Distributions start getting involved





- **[1] EGI: Managing the Software Process**
<http://indico.cern.ch/getFile.py/access?sessionId=2&resId=0&materialId=1&confId=57092>
- **[2] SA1: proposal and requirements for staged-roll-out of middleware updates**
<https://edms.cern.ch/document/997514/>
- **[3] SA1/SA3: Staged roll-out of grid middleware: general lines**
<https://twiki.cern.ch/twiki/bin/view/EGEE/StagedRolloutOverview>
- **[4] SA1: Implementation details and roadmap**
<https://twiki.cern.ch/twiki/bin/view/EGEE/StagedRolloutSA1>
- **All of them available on the PPS web site**
<http://www.cern.ch/pps/index.php?dir=./rollout/>

