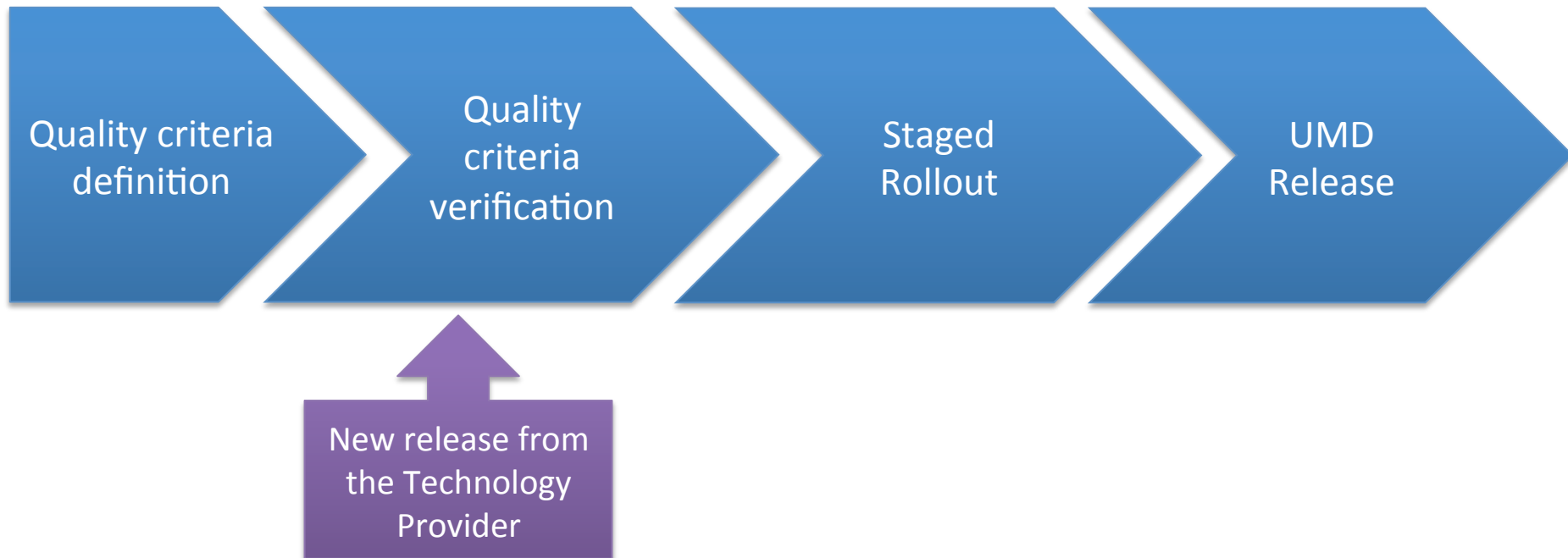


UMD staged Rollout testing

Task SA1.3

João Pina



- UMD release:
 - EGI takes SW products from the technology providers: gLite, IGE, ARC, ...
 - Produce a provisional list of products that are “candidates” for the UMD release.
 - Put’s them through the SW provisioning workflow:
 - Verification: verifies generic and specific quality criteria.
 - Staged rollout: deploys and configures the product in production instances.
- Staged rollout relies on Early Adopter sites that are the first ones to deploy the new versions in production, before general availability.
- The products passing successfully the SW provisioning will be included into the UMD release.

- To support the SW provisioning:
 - https://wiki.egi.eu/wiki/Software_release_and_deployment_process
 - <https://wiki.egi.eu/wiki/Staged-Rollout>
 - <https://www.egi.eu/earlyAdopters/table>
 - <https://www.egi.eu/earlyAdopters/teams>

- Early adoption is a **volunteer activity** carried out by some EGI production sites
- Central coordination provided by SA1.3
- Staged rollout numbers (2013):

Number of early adopter sites	79
NGIs contributing to SR	27
Number of SR test performed during PY3	201
Number of sites belonging to WLCG	32

Tier-1 centers
Tier-2 centers

- CERN
- NGI_FRANCE, IN2P3-CC
- NGI_IT, INFN-T1
- NGI_UK, RAL-LCG2
- NGI_AEGIS, AEGIS01-IPB-SCL
- NGI_CH, CSCS-LCG2
- NGI_CZ, prage-cesnet-lcg2
- NGI_DE, FZK-LCG2
- NGI_FRANCE, in2p3-subatech
- NGI_IBERGRID, CESGA-EGEE
- NGI_IBERGRID, CIEMAT-LCG2
- NGI_IBERGRID, IFCA-LFC2
- NGI_IBERGRID, IFIC-LCG2
- NGI_IBERGRID, LIP-Lisbon
- NGI_IT, CNAF-LHCB
- NGI_IT, INFN-CATANIA
- NGI_IT, INFN-PADOVA
- NGI_NL, SARA
- NGI_PL, ICM
- NGI_SI, SIGNET
- NGI_TR, TR-10-ULAKBIM
- NGI_UA, UA-KNU
- NGI_UK, NORTHGRID-LIV-HEP
- NGI_UK, UKI-LT2-Brunel
- NGI_UK, UKI-LT2-QMUL
- NGI_UK, UKI-LT2-IC-HEP
- NGI_UK, UKI-NORTHGRID-MAN-HEP
- NGI_UK, UKI-SCOTGRID-ECDF
- NGI_UK, UKI-SOUTHGRID-CAM-HEP
- NGI_UK, UKI-SOUTHGRID-OX-HEP
- ROC_canada, CA-SCINET-T2

	EMI2			EMI3		
	SL6	SL5	Debian	SL6	SL5	Debian
AMGA	0	1	0	0	0	0
APEL	2	7	1	3	0	0
ARC-CE	1	0	1	2	0	0
ARGUS	0	5	0	4	0	0
BDII-site	0	4	0	5	1	0
BDII-top	0	3	0	2	1	0
CLUSTER	0	2	0	1	0	0
CREAM	3	4	0	6	1	0
CREAM-LSF	0	0	0	0	1	0
CREAM-SGE	1	0	0	3	0	0
CREAM-Torque	2	1	0	2	2	0
CREAM-Slurm	-	-	-	1	0	0
dCache	0	2	0	1	1	0
DPM-mysql	0	4	0	3	1	0
EMIR	2	0	0	1	0	0
FTS	1	0	0	0	0	0
GRID SITE	1	0	0	1	0	0
LB	3	0	0	1	0	0
LFC	0	6	0	2	0	0
MPI	1	2	0	1	0	0
MyPROXY	1	1	0	0	0	0
Nagios	1	0	0	0	0	0
Slurm-WN	-	-	-	1	0	0
Storm	0	2	0	2	1	0
Torque server	1	0	0	1	1	0
Torque WN	2	1	0	2	0	0
UI	4	1	0	3	0	0
WN Tarball	0	0	0	7	2	0
VOMS	1	1	0	2	0	0
WMS	3	1	0	3	1	0
WN	2	1	0	5	1	0

Products without verifiers

EMI VOMS_Oracle

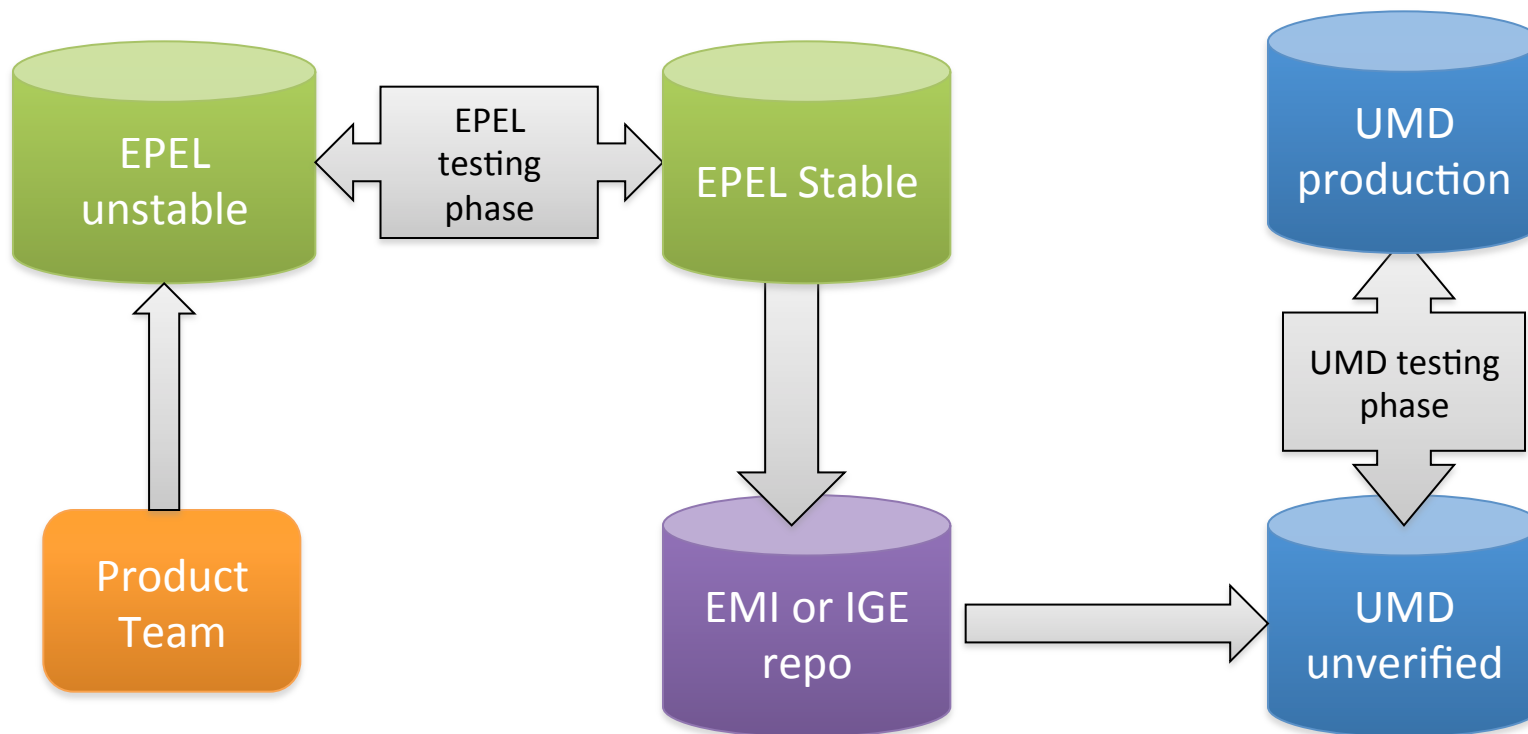
EMI HYDRA

EMI Wnodes

EMI NAGIOS

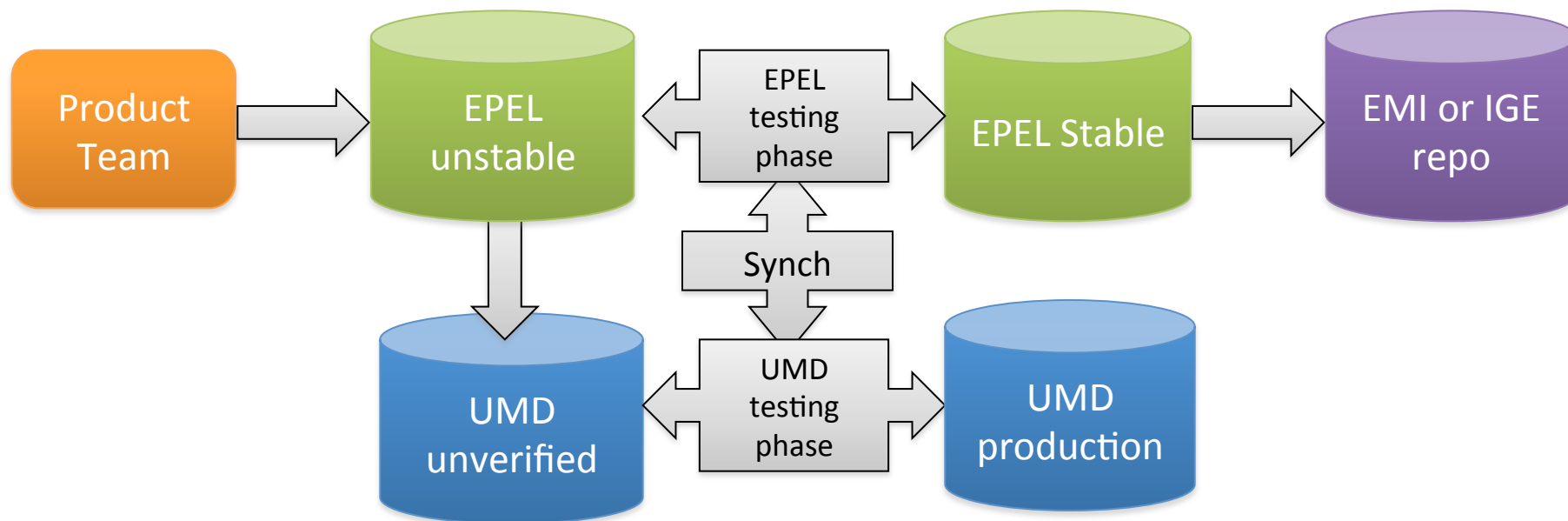
EMI Pseudonymity

- Consolidated processes proved to be efficient during PY3
- In the end of PY3 EMI ended and no more coordination to deploy new software / versions
- Need to adopt changes in release process to adapt to the new technology ecosystem
- Some PT's are releasing / planning to release there software into EPEL:
 - testing integration into the UMD sw provisioning process



- Strictly sequential process
- UMD testing phase is performed after the release in EPEL
 - Any serious issue will require a new release (start the process again)

How to improve the integration of EPEL in UMD



- Verification and staged rollout can start in an earlier stage
- Testing goes in parallel, product team can benefit of the SR feedback before the EPEL release
- Products reach EPEL after they have been approved by EGI
- The time between the PT release and the UMD release can be reduced

- **Need to continue to foster links between EGI and WLCG:**
 - Establish a channel of communication between EGI (SA 1.3) and the WLCG through the production Middleware task force production readiness.
 - Stimulate the participation of WLCG sites into SR activities avoiding the duplication of tests:
 - Core services: cream, storm, wms, ui, wn
 - Improve the UMD staged rollout process
 - What specific software WLCG needs and not present in UMD?

- **Questions?**
- **Comments!!**

