Enabling Grids for E-science in Europe

SA1 operational policy training, Athens 20-21/01/05

Deployment and Upgrade Procedures

Kostas Koumantaros
South East Europe ROC

Technical Manager, GRNET

Site deployment

Enabling Grids for E-science in Europe

- Involves:
  1. Site registration, done in coordination with the Deployment Coordination Team (DCT)
  2. Site installation, done with the guidance and assistance of the Installation Support Team (IST) and the DCT
  3. Site certification, in coordination with the CIC-on-duty and the Site Certification Team (SCT)

Site registration procedure

Enabling Grids for E-science in Europe

- Resource admin at candidate site obtains a certificate from Certification Authority (CA) eg. http://ca.hellasgrid.gr or http://ca.egee-see.org
- Site manager contacts the ROC Deployment Coordination Team (DCT)

  Providing:

  1. Statement of acceptance of policy documents. http://www.egee-see.org/aup
  2. Site contact information
  3. HW details in the Infrastructure.xls
  4. Statement of agreement to follow the LCG/EGEE Security Incident Response procedures
- DCT validates the information and creates the new site's record in the GOC database; site status is *'**candidate**'*.
- Site to register with the egee-see helpdesk http://www.egee-see.org
- Resource Admin at the site enters the remaining information in the GOC database, and then requests validation by the DCT
- The DCT validates the information and changes the site status to *'**uncertified**'*

Site installation

Enabling Grids for E-science in Europe

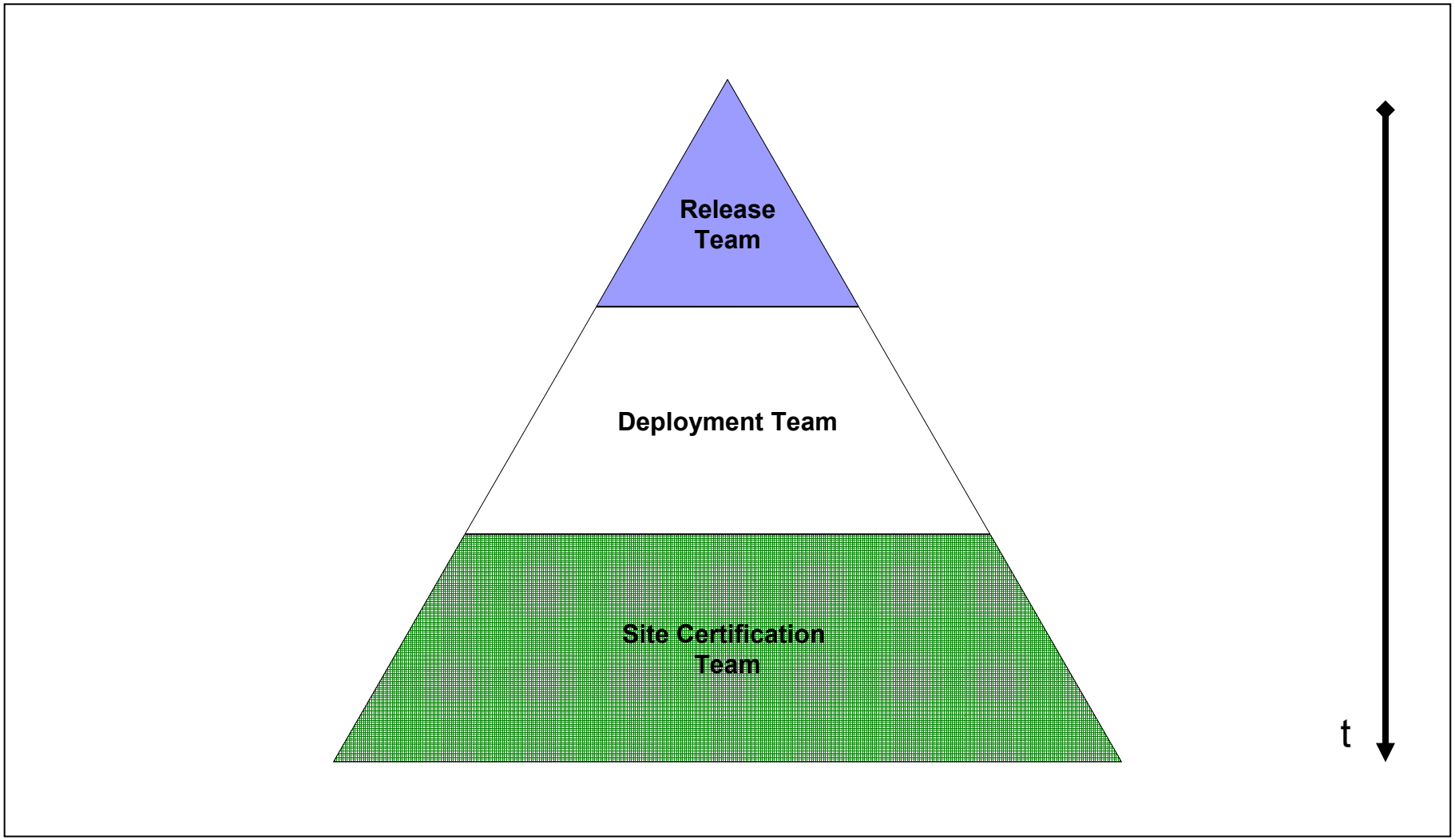
- Done with the guidance and assistance of the IST and the DCT
  - Installation support through egee-see helpdesk
- Using the Installation Guidelines at
  - http://grid-deployment.web.cern.ch/grid-deployment/cgi-bin/index.cgi?var=releases
- Supported OS: SLC 303, RH EL 3, RH 7.3 phasing out

Site certification procedure

Enabling Grids for E-science in Europe

- Apply for DTEAM VO membership via https://lcg-registrar.cern.ch to allow test job submission to check the completeness of the installation
- Request the CIC-on-duty to perform acceptance tests before including the new site in the Information System
- Successful acceptance in the Information System will make the site appear in the relevant configuration file
- DCT changes site status in the GOC database to '*certified*'
- From now on the site will show on the relevant daily report

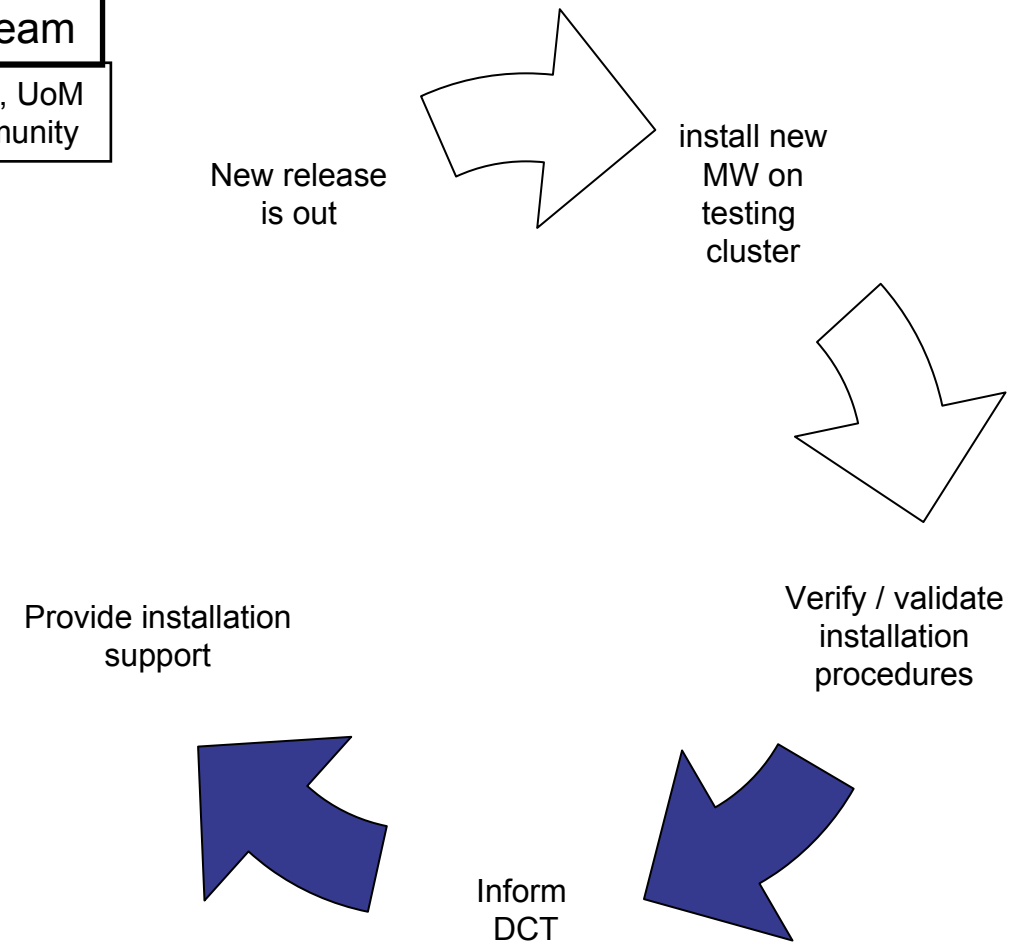
Site deployment/upgrade workflow



Deployment/upgrade workflow (Release Team)

Enabling Grids for E-science in Europe

Installation support team	
UoA, IASA	Demokritos, UoM UoP, Community



Deployment/upgrade workflow (Deployment Team)

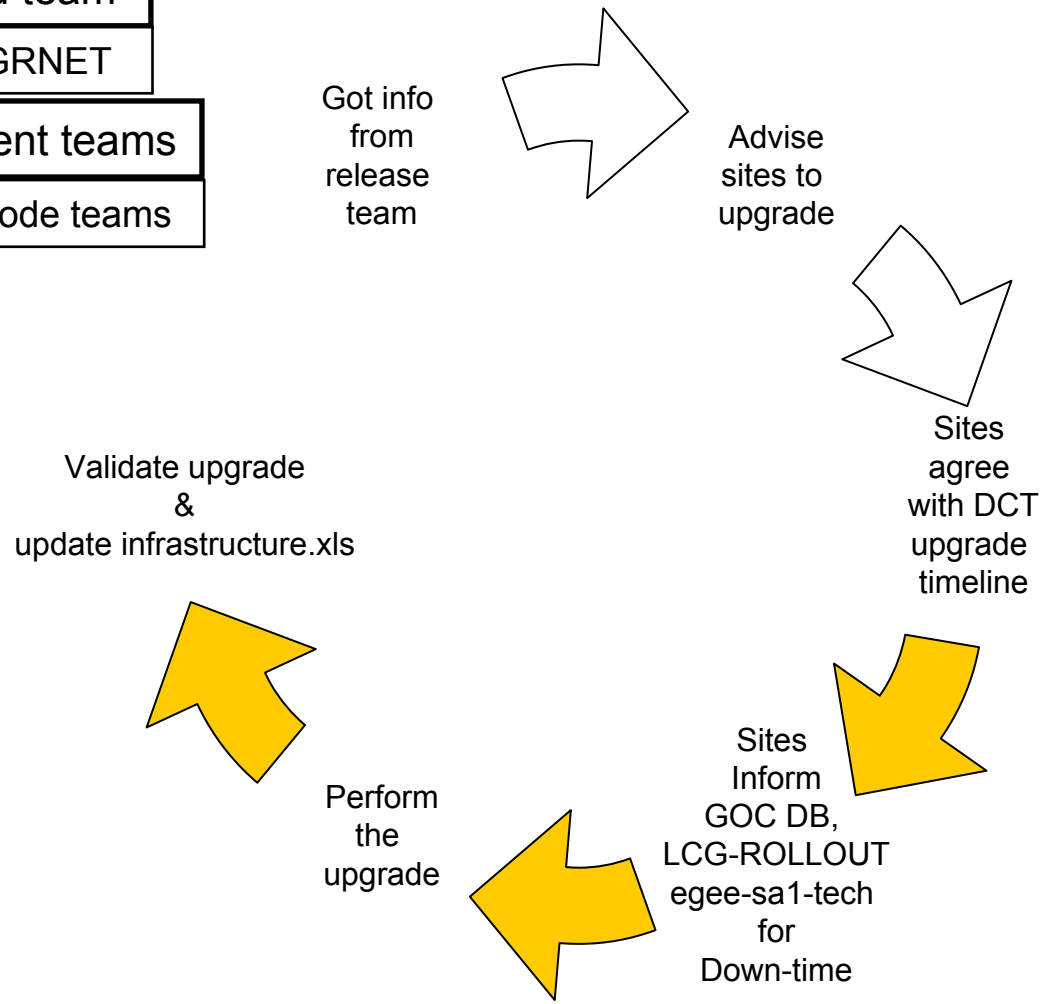
Enabling Grids for E-science in Europe

Deployment coord team

GRNET

Per-node deployment teams

Node teams



Deployment/upgrade workflow (Site Certification Team)

Enabling Grids for E-science in Europe

Deployment coord team

GRNET

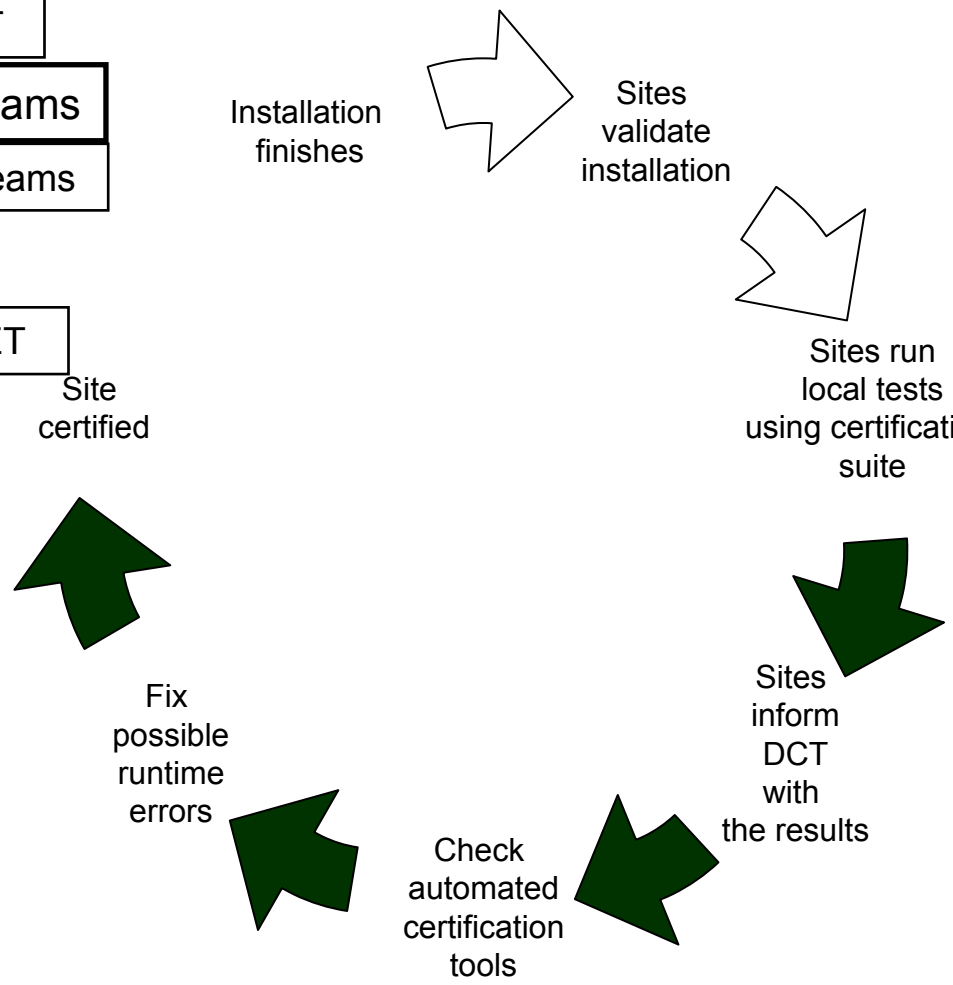
Per-node deployment teams

Node teams

Site certification team

ICCS, Demokritos

GRNET



Q & A

Enabling Grids for E-science in Europe