Regional Dashboard

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Barcelona , EGEE 09

The dashboard is a tool designed to follow and track problems on sites . This tool is a integration platform and propose a synoptic view of different data sources :

- Gstat , monitoring tool of the publication done by sites
- SAM , central framework of job submission used currently to monitor EGEE sites
- Nagios , monitoring tool will replace SAM framework
- GOC DB , the DB for the Sites of the egee project
- GGUS the EGEE helpdesk :
- BDII : ldap repository with dynamic information published by sites

In summary you track problem with the different results from Monitoring Tools (SAM , Nagios , Gstat) and you can open and update trouble ticket in GGUS via an interface in the dashboard. We use also GOC DB and BDII to consolidate monitoring informations with downtime information , dynamic statuses …

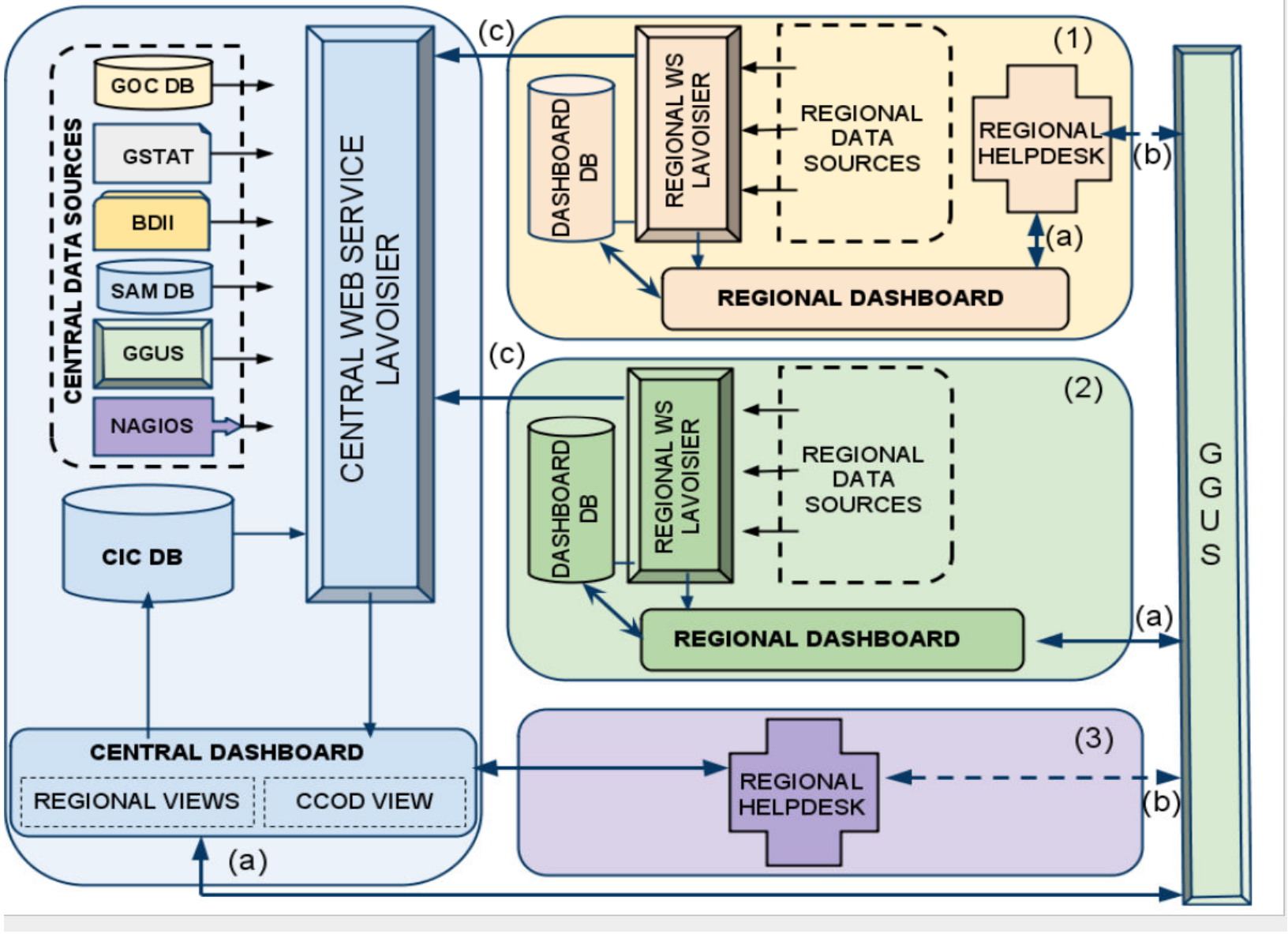
EGI Context

We are currently in a transitional period between EGEE and EGI .
This induces lot of changes we have to follow :

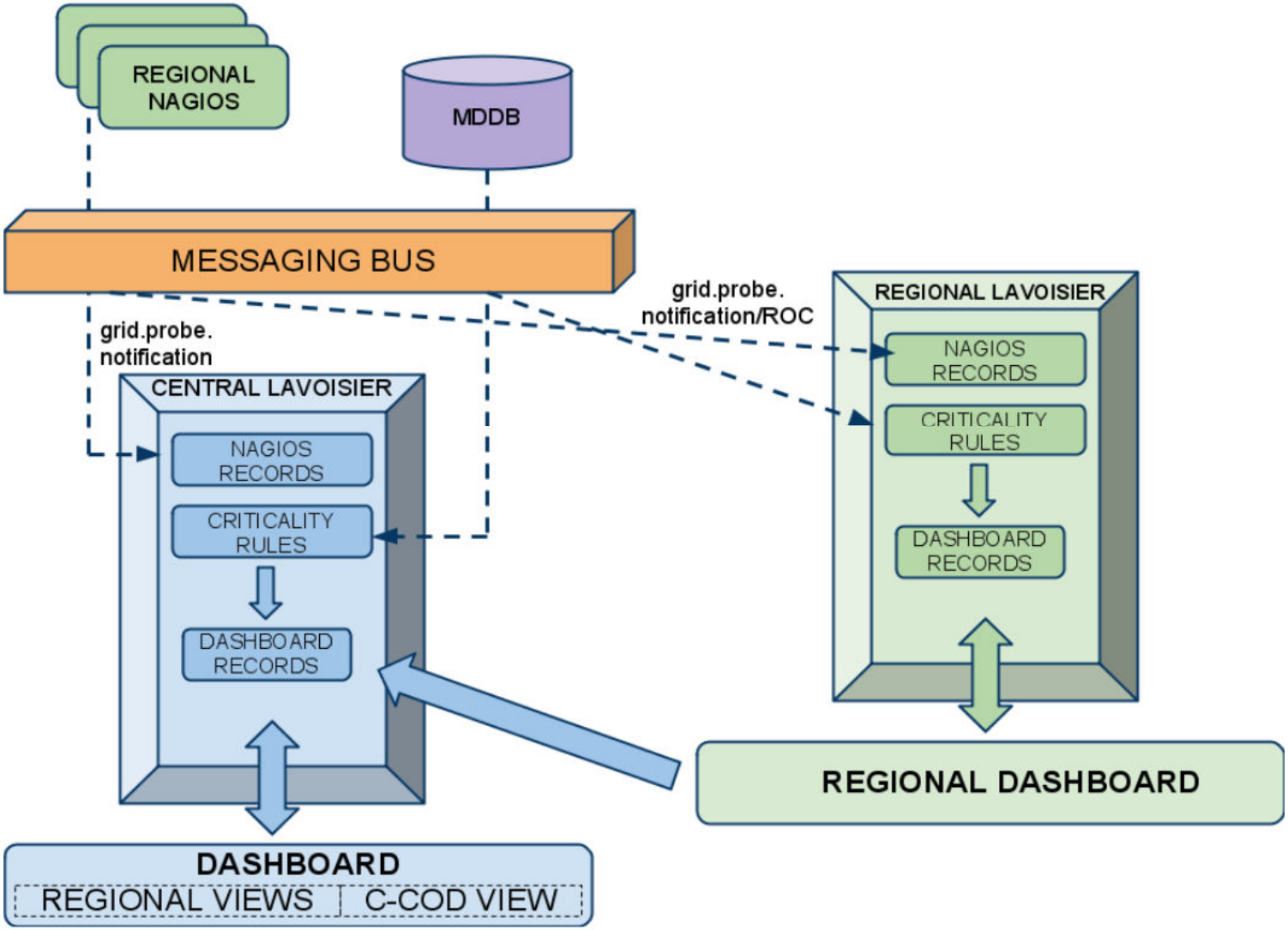
- Monitoring tools :
the SAM framework will be replace by Nagios . So we have integrated Nagios using an adapter to retrieve Nagios notification via the Message Bus (slide 5)

- Operational Model :
The dashboard has been used until now following the central model for operation .
Now the dashboard has to evolve from a central dashboard to a distributed model where every region will have the responsibility to apply an operational model of their choice to their sites.
The resulting architecture has to allow regional instances of operational data to communicate with one another and with a central instance and to propose a solution following different scenarii => case 1,2,3 on next slide.

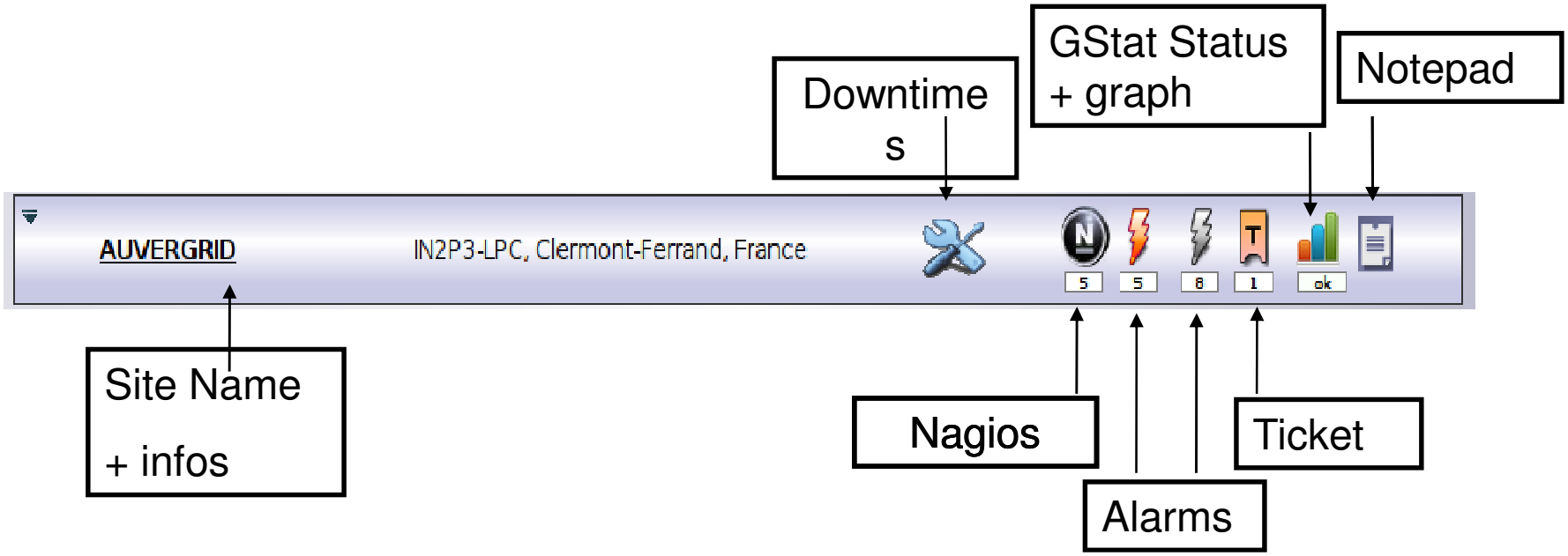
Architecture



Nagios Integration



Dashboard aspect



What does you need ?

- **For a fully distributed model , requirements are :**
  - A database , we will use one feature of the framework Symfony and distribute a data schema usable on MySQL , Oracle , PostGressSQL , SQLLite.
  - A web Service , Lavoisier working with Java (JDK > 5.0)
  - And php files distributed with the Symfony Framework (Php 5.2.4 is required with SOAP and OCI modules enabled) .

Roadmap

October

- Integration of Nagios in the operational workflow.

November

Work on the package :

- To ease deployment
- To ease configuration

- Test phase with 3 pilot federations : Italy – France – Central Europe

December

- First official release deployable in region.