



Enabling Grids for E-science

# Site Monitoring for Grid Services

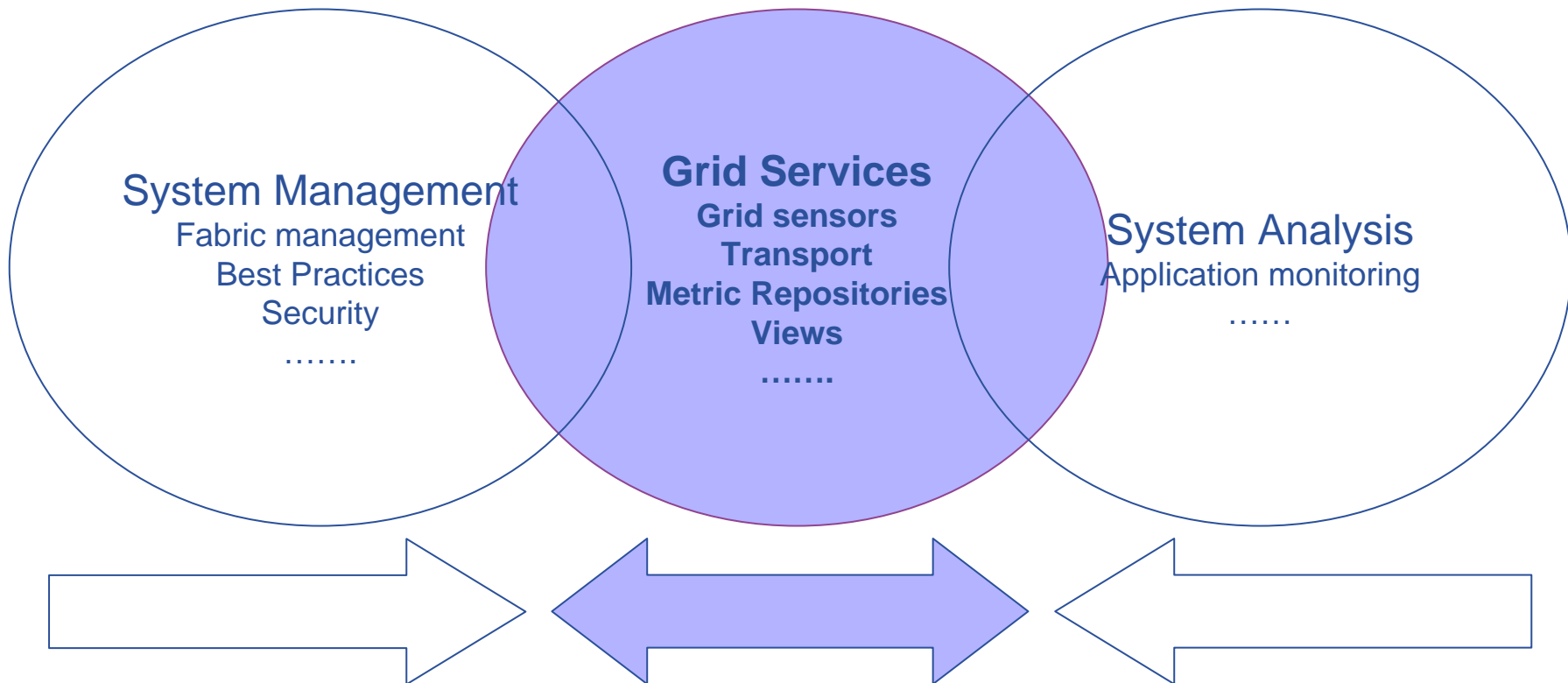
*WLCG Grid Services Monitoring Working Group*

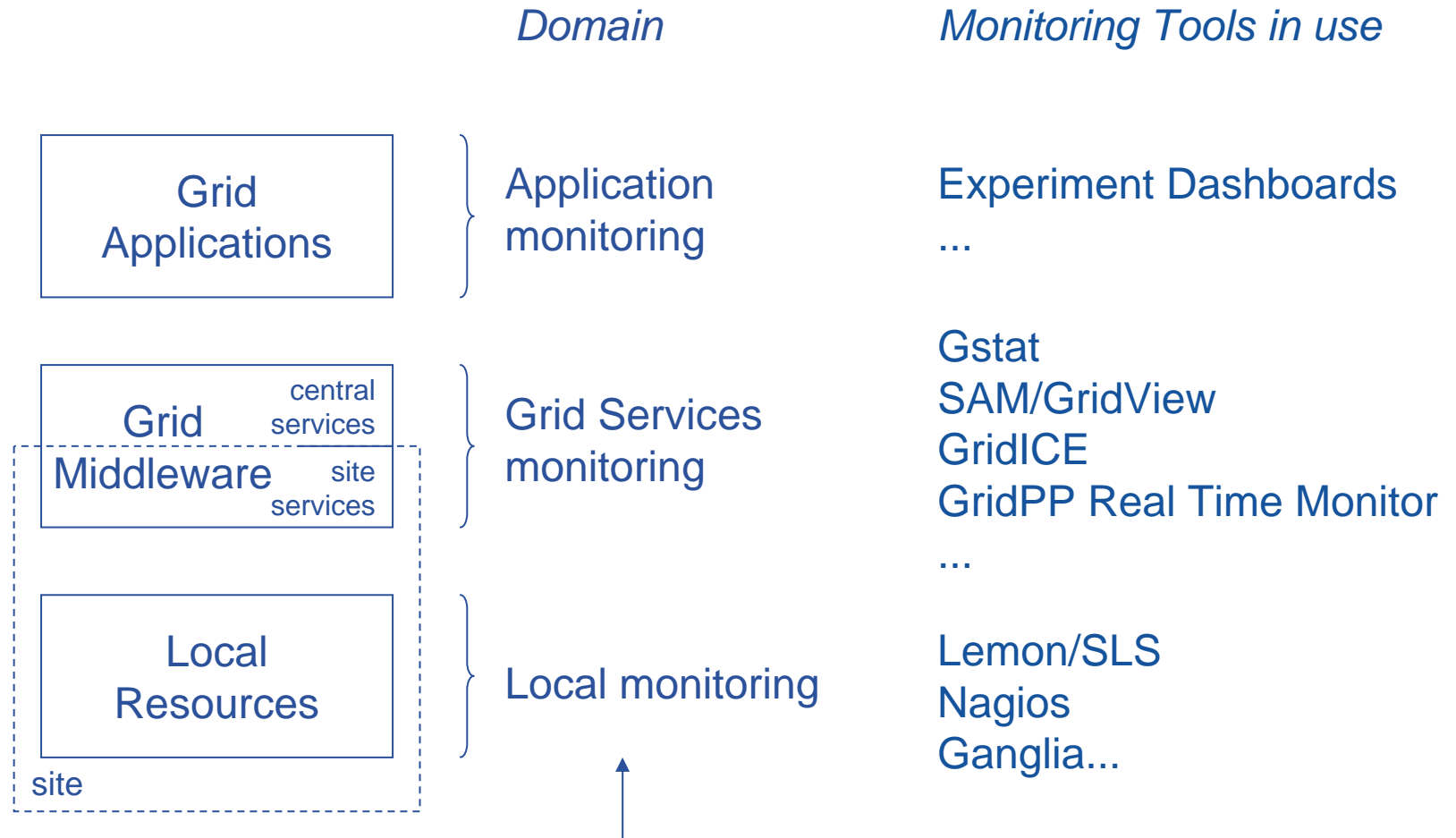
*Ian Neilson – CERN SA1*  
*EGEE '07*  
*Budapest*

[www.eu-egee.org](http://www.eu-egee.org)



- **3 groups created by Ian Bird, Oct'06**
  - “...to help improve the reliability of the grid infrastructure...”
  - “... provide stakeholders with views of the infrastructure allowing them to understand the current and historical status of the service. ...”
  - “... stakeholder are site administrators, grid service managers and operations, VOs, Grid Project management”

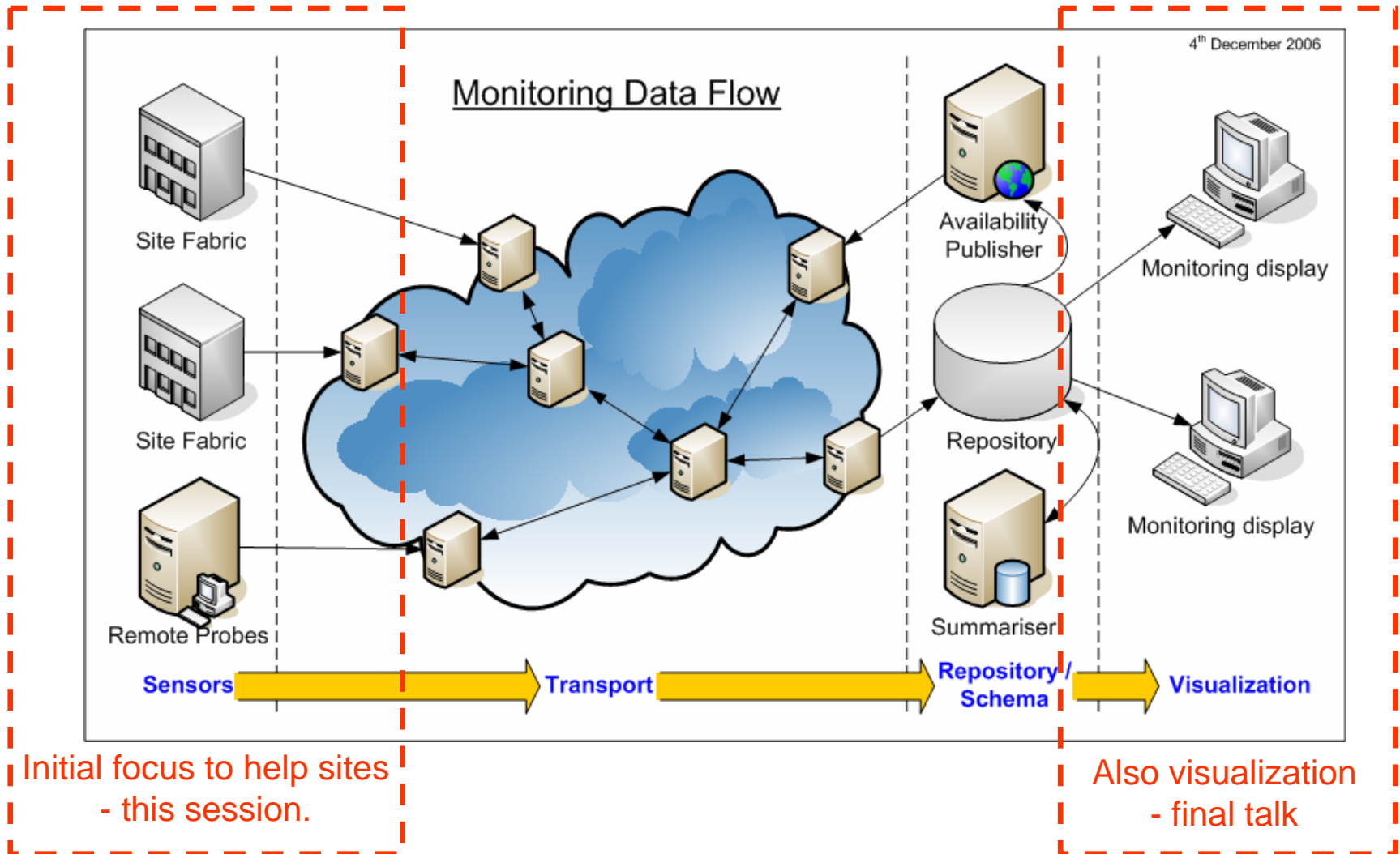




3 WLCG Monitoring Working Groups

Slide by Max Böhm, EDS

- Work in 4 areas



- **Beginning to look at:**
    - messaging systems for reliable transport
    - more integration with external monitoring (dashboards...)
    - management/operations visualisation & reporting requirements
- BUT**
- **The aim is always:**
    - NOT to provide yet another complete technical solution
    - incrementally improve service reliability by consolidating existing solutions where possible

**This session is not a complete report. Please see the twiki for all the information and the links to the other WGs**

**<https://twiki.cern.ch/twiki/bin/view/LCG/GridServiceMonitoringInfo>**

Using standardised metric publishing allows flexible tool integration



- Take XML feed from Nagios publisher
- Push to ganglia using gmetric
- Local Tests/SAM/NPM/..
- Could take SAM feed directly

• <https://twiki.cern.ch/twiki/bin/view/LCG/GridMonitoringGangliaIntegration>

- The rest of this session concentrates on *Nagios*  
**BUT**
- *Nagios* is one (good) choice
- You use a tool suited for your site and fabric  
**BUT**
- The standardized probe-set should be reusable
- Data exchange specification allows standardized access to metrics
- Work on configuration building should be reusable  
**AND**
- We want to help sites to deploy monitoring to:
  - Improve their reliability
  - Make their life easier 😊

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**Poster and Demos in the Exhibition Area**