

# GStat Status and Future

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# GStat 2.0

**Geo View**

LDAP View

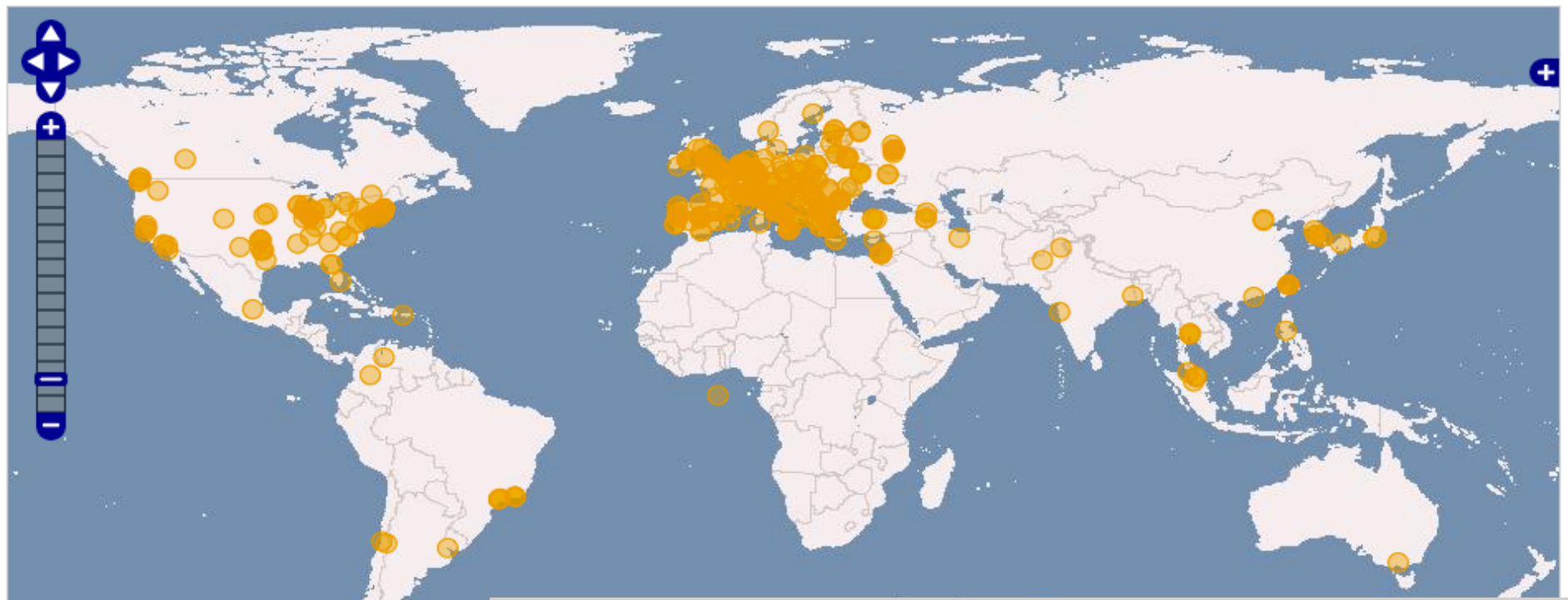
Site Views

Service View

VO View

[Home](#) :: [Geo](#)

Filters:  Values:



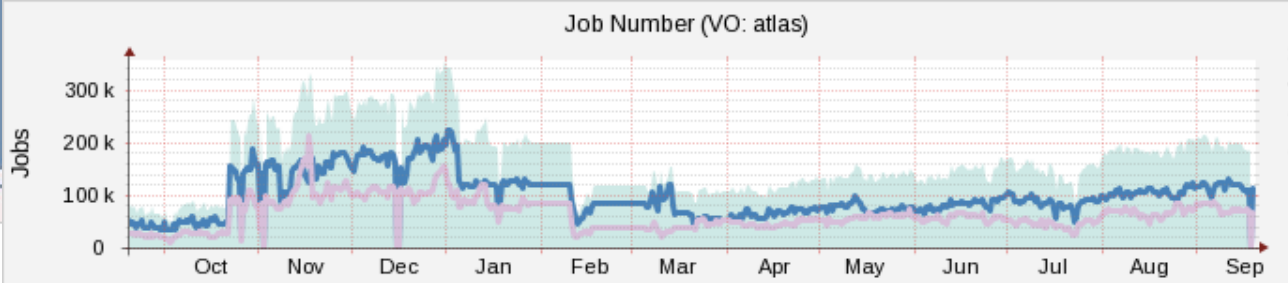
2000 km  
1000 mi

Select an overlay:

Other options:

[View it in Full Screen mode](#)

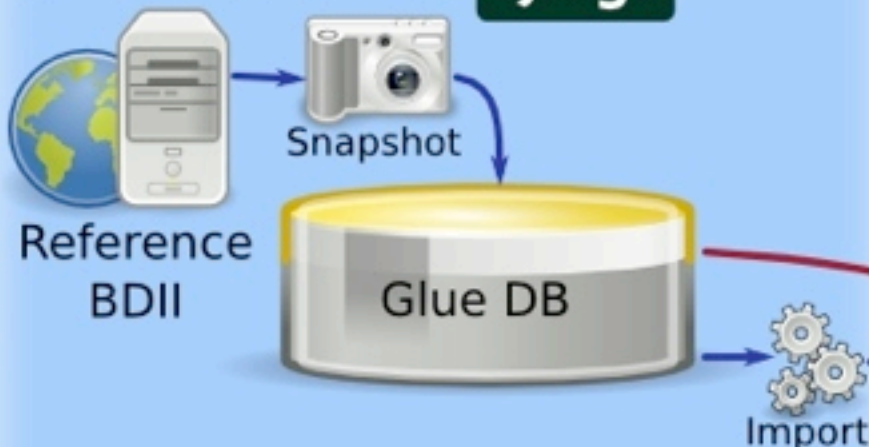
[Download KML for this view](#)



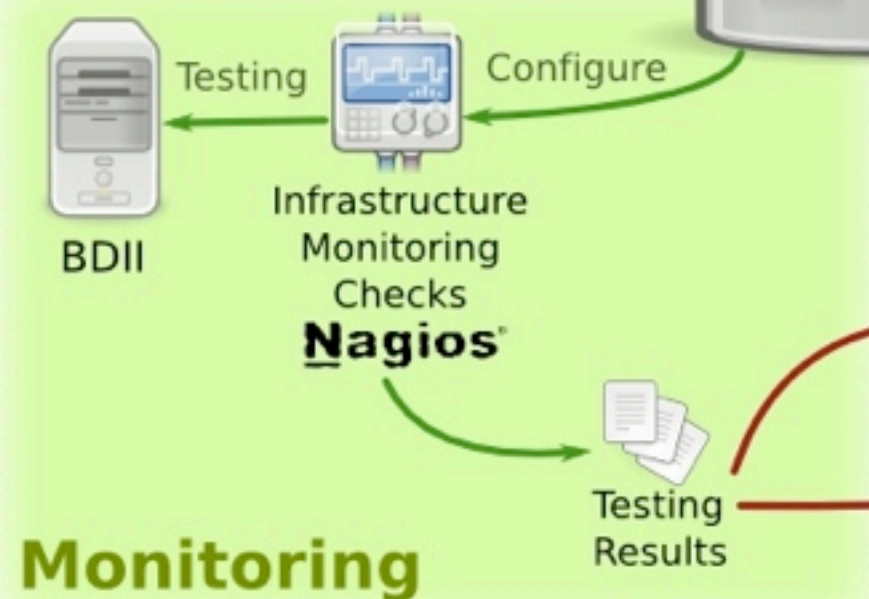
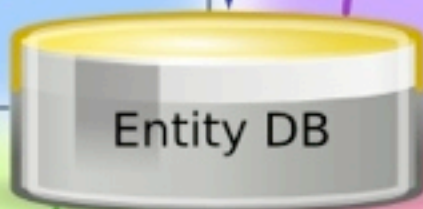
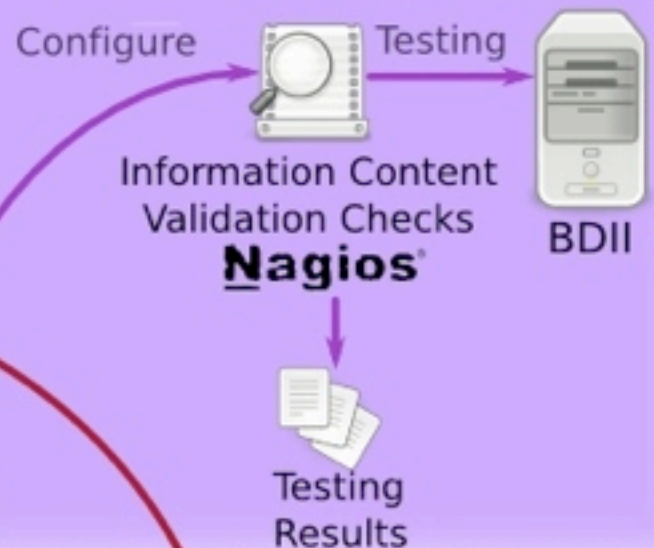
	NOW:	MAX:	AVG:
TotalJobs	185.73k	355.33k	163.36k
RunningJobs	114.25k	223.89k	99.35k
WaitingJobs	68.37k	213.24k	64.35k

- Geo View
- LDAP Browser
- Site View
- Summary View
- VO View
- Service Monitoring
- Data Feeds
- Information Validation
- Update Frequency: finish queries of all BDII in 6 min, and start a new term after 15 min

# Information **django**

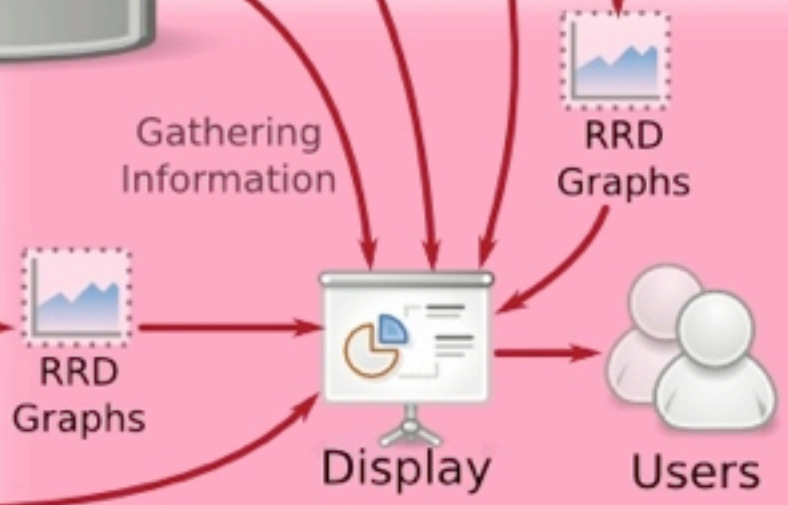


# Validation



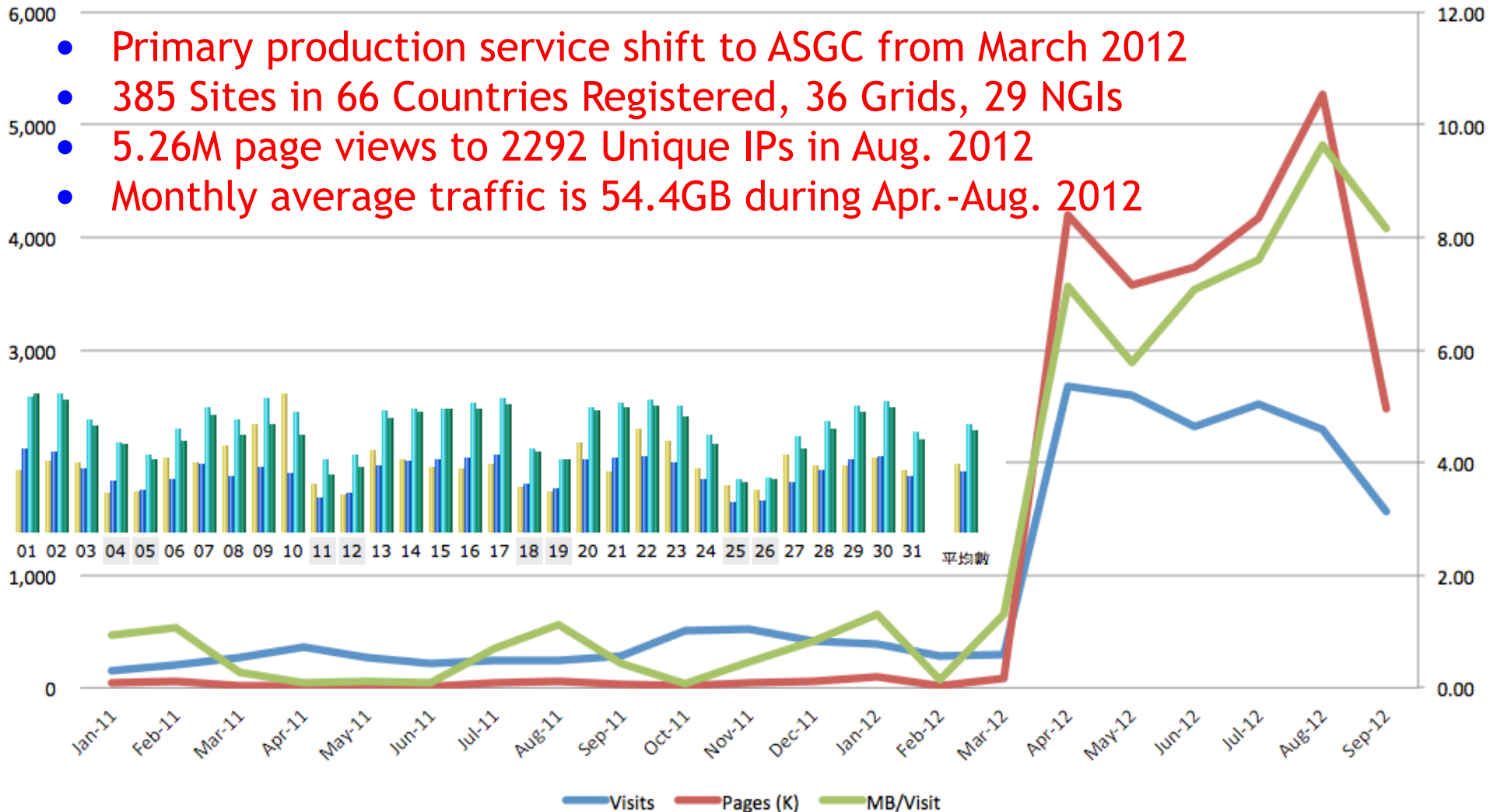
# Monitoring

# **django** Visualization



## GStat2 Service Statistics

- Primary production service shift to ASGC from March 2012
- 385 Sites in 66 Countries Registered, 36 Grids, 29 NGIs
- 5.26M page views to 2292 Unique IPs in Aug. 2012
- Monthly average traffic is 54.4GB during Apr.-Aug. 2012



- Migration to GLUE 2.0 information model
  - Snapshot script for GLUE2 is provided
  - Page views and common libraries update are ongoing
  - More new views and APIs will be identified according to feedback
- Scalability Improvement
  - Distribute site-level analysis to each site, alongside the local BDII.
    - Aggregate views and availability monitoring at central service.
    - Central services need to re-developed
- Support more Views, content validation and APIs to user feedbacks

- Migration to GLUE 2.0 information model: **First Priority !**
  - Snapshot script for GLUE2 is provided
  - Page views and common libraries update are ongoing: **Nov. 2012**
  - More new views and APIs will be identified according to feedback: **collect comments till end Nov. 2012.**
  - Testbed is in place, without changing the views for the moment
- Scalability Improvement
  - Distribute site-level analysis to each site, alongside the local BDII. → **after the GLUE2 migration**
  - No performance issue now but this re-design will be evaluated in detail
- Support more Views, content validation and APIs to user feedbacks.  
→ **Flexible when it's confirmed**
  - New views from EGI, VO or NGIs, etc.
  - New monitoring or validation checks
  - Customized APIs for other EGI Operation Tools
- Be able to reflect the dynamic/virtualized resource capability/status. --  
> BDII & GLUE

- Value of monitoring systems is enriched by supporting operation automation, early warning and future directions (by analysis).
- More Ideas
  - Historical archives and statistics of the changes
  - Flexible customization views for versatile roles.
  - Analysis, warning and statistics: by integrating validation and tests
  - Evolving with GLUE, BDII and the infrastructure
- Acknowledgement
  - Laurence Field and David Horat, CERN
  - Joanna Huang, ASGC
  - Steven Burke
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