



Oscar Koeroo, June 2012

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# Security framework integration in Globus through IGE



- Primary Globus integration focus
  - Gatekeeper
  - GridFTPd
  - MyProxy
  - (GSI-OpenSSHd)
- Observing the trends in other projects
  - e.g. SHA1 => SHA2 (IGTF)
  - Proxy certificate usage
  - Integration with non-PKI environments



- Open Grid Forum
  - XACML based authorization interoperability profile (used in OSG with an IGE label)
  - VOMS workgroup
    - The format is clear (ASN.1)
    - It's usage is not defined (de-facto)



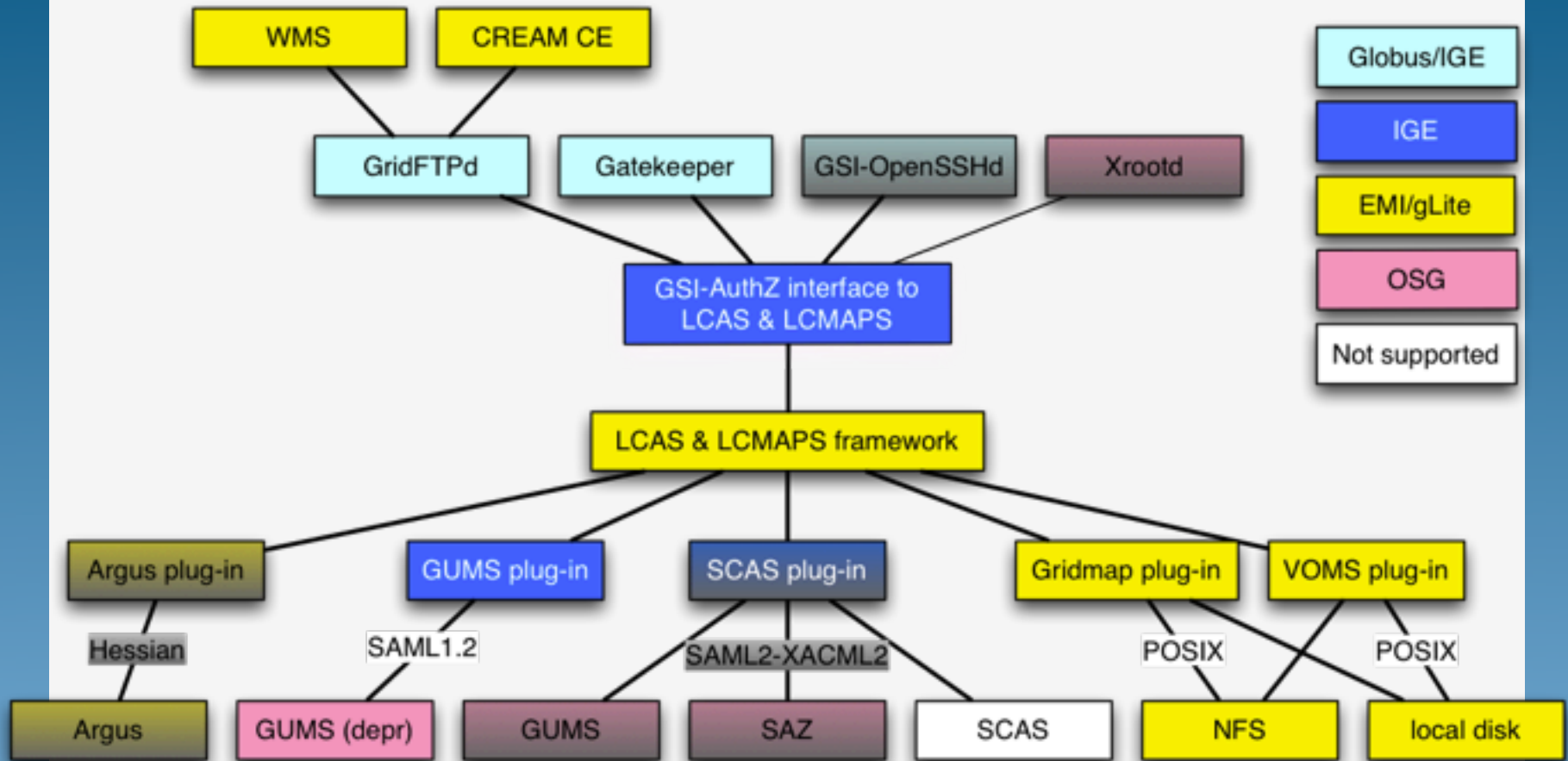
- Moved to the this cycle
  - Security survey
    - Goal: Security capability overview / Status quo
    - Result: Can trigger new RT tickets (internally)
  - GridSAFE integration from LCMAPS
    - Moving away from log file trolling
    - Proving a relational database as input for the (partial) accounting report creation



# Solutions

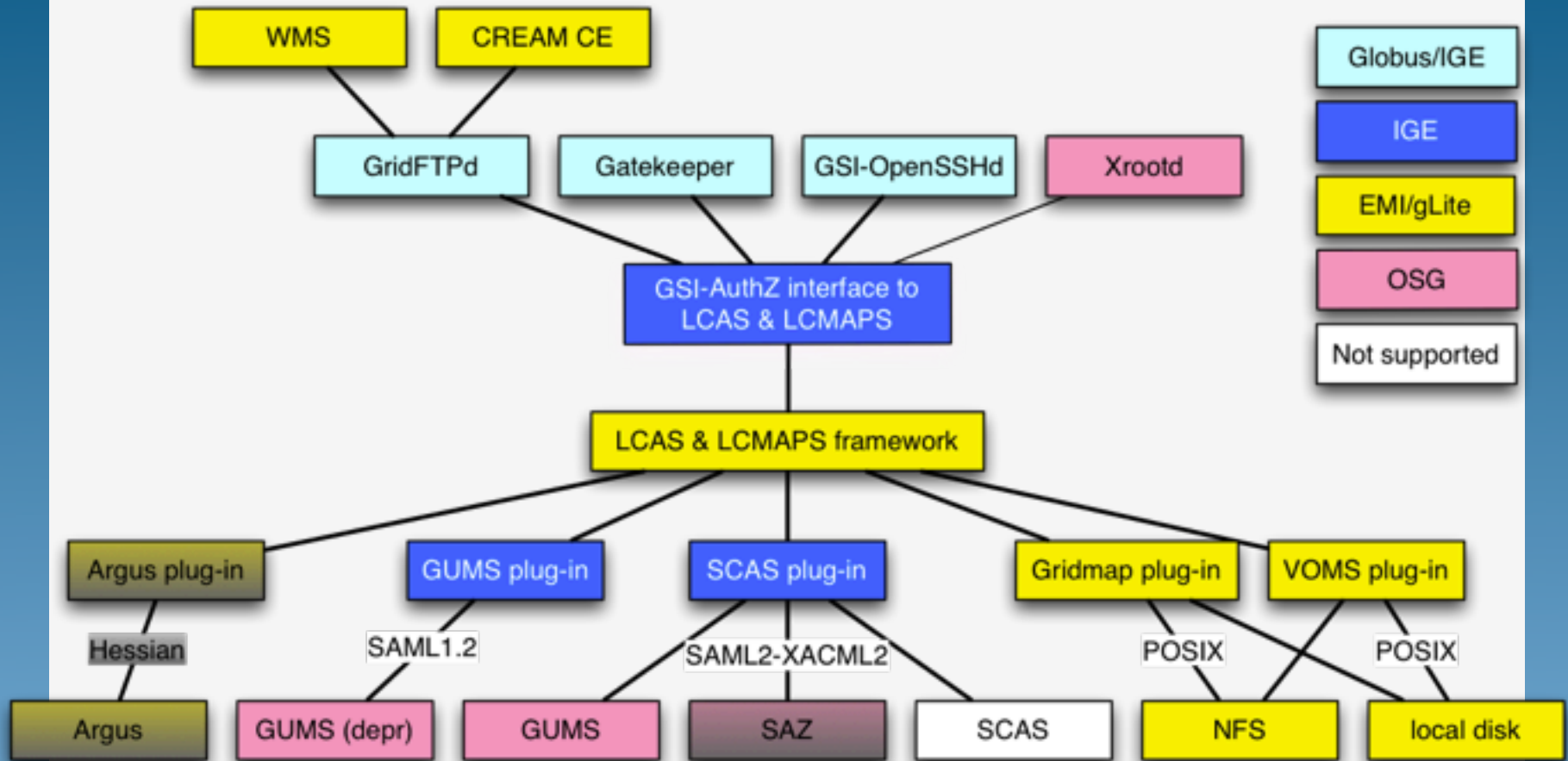


# Solutions: Beginning 2011



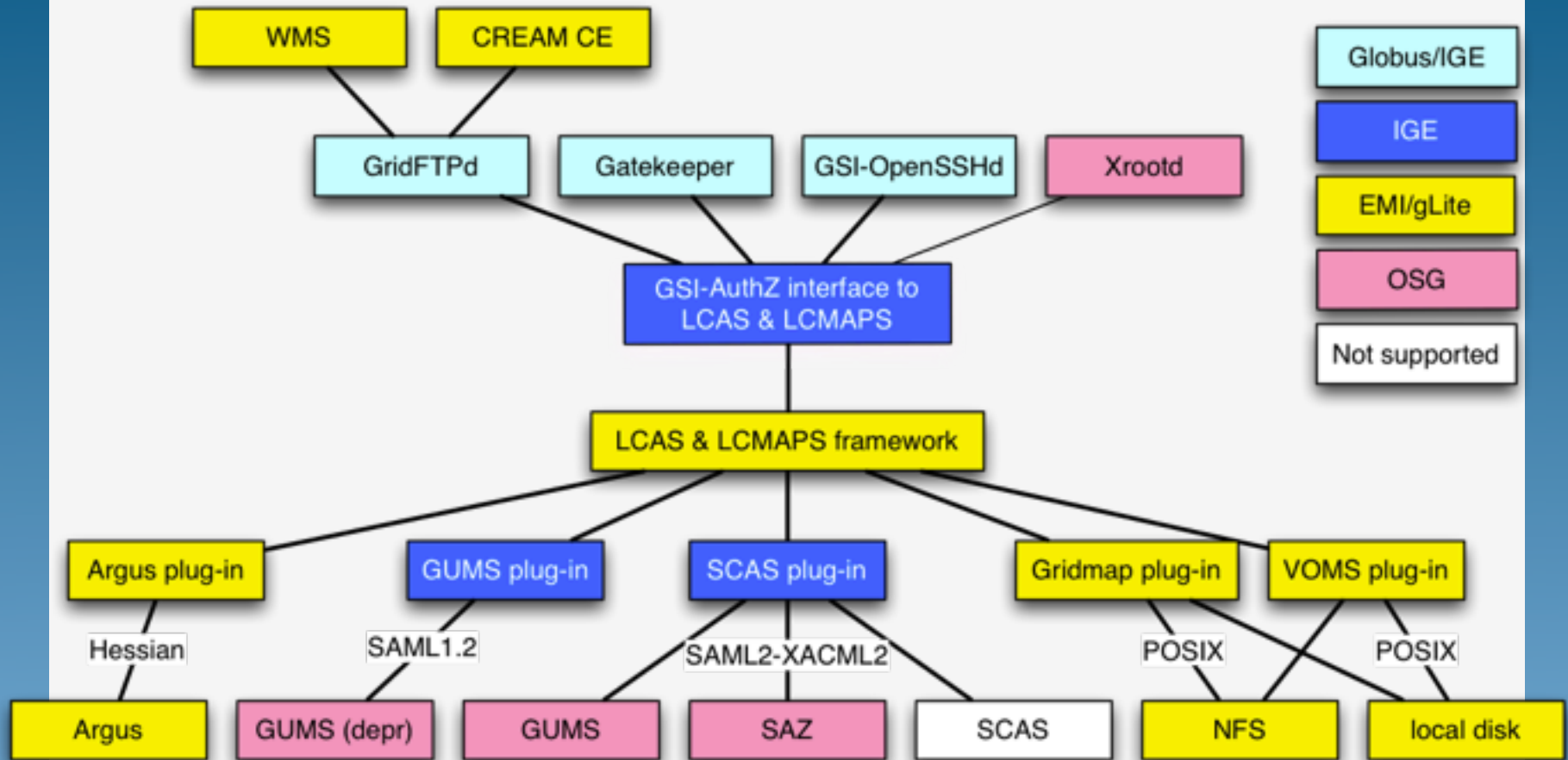


# Solutions: September 2011





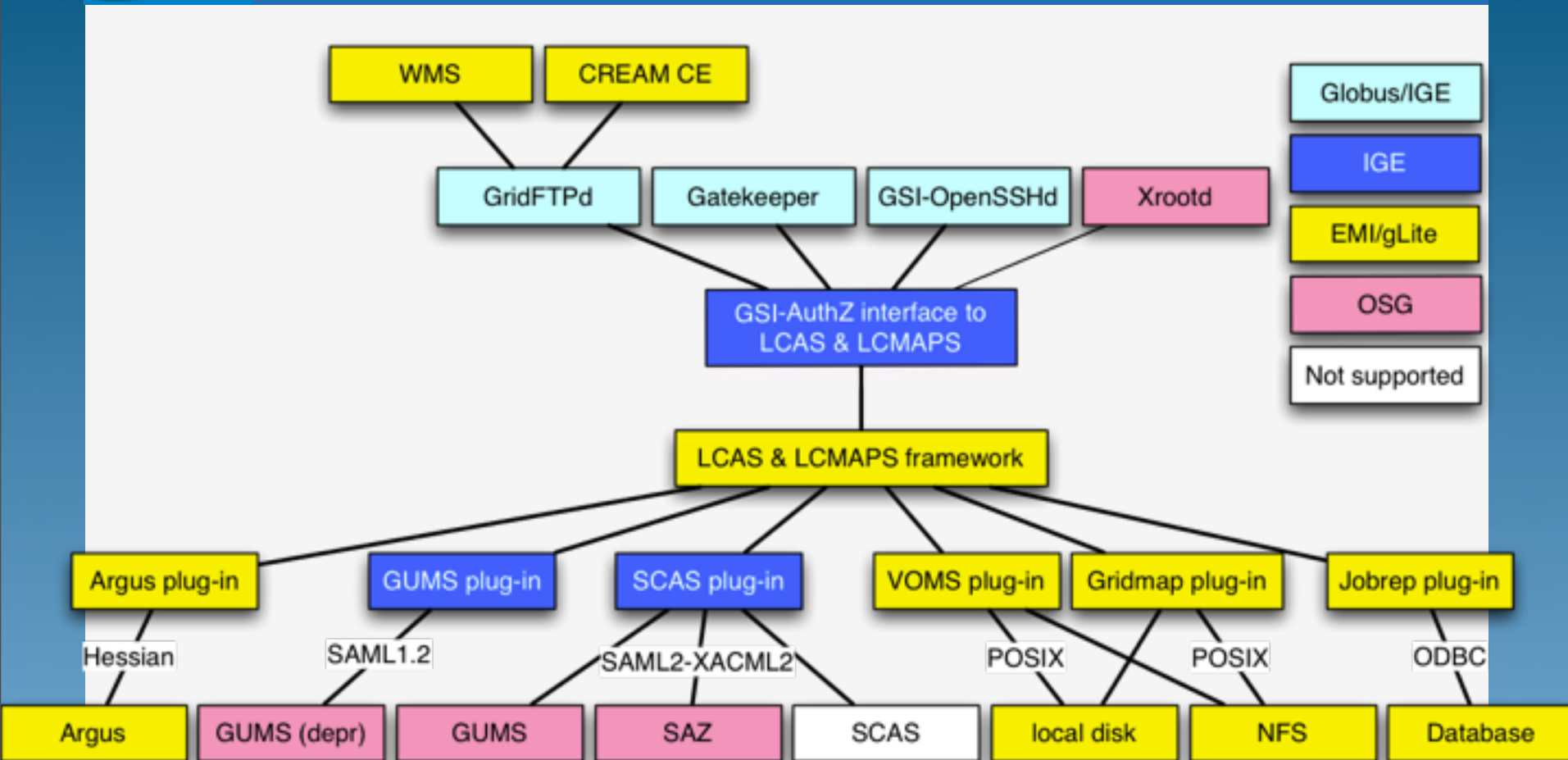
# Solutions: December 2011







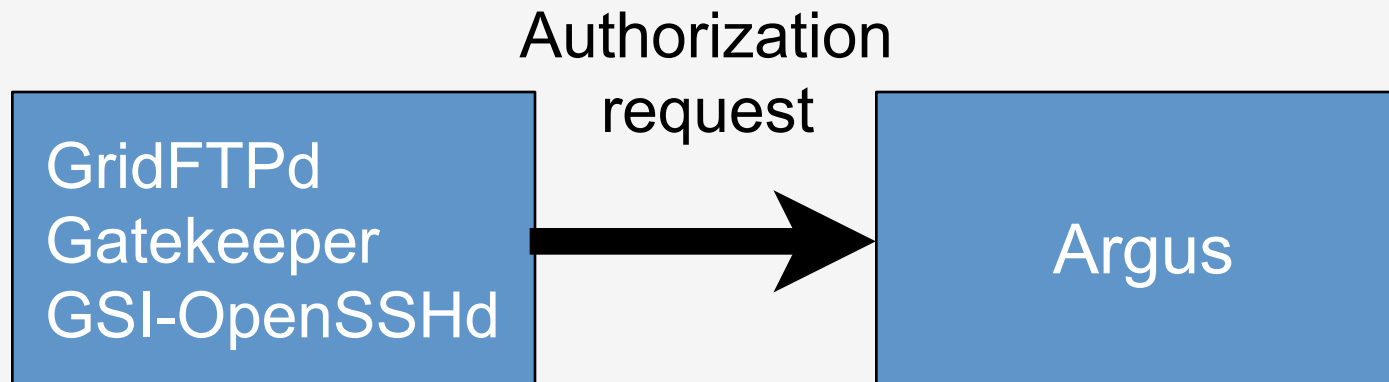
# Solutions: May/June 2012





# IGE security roadmap

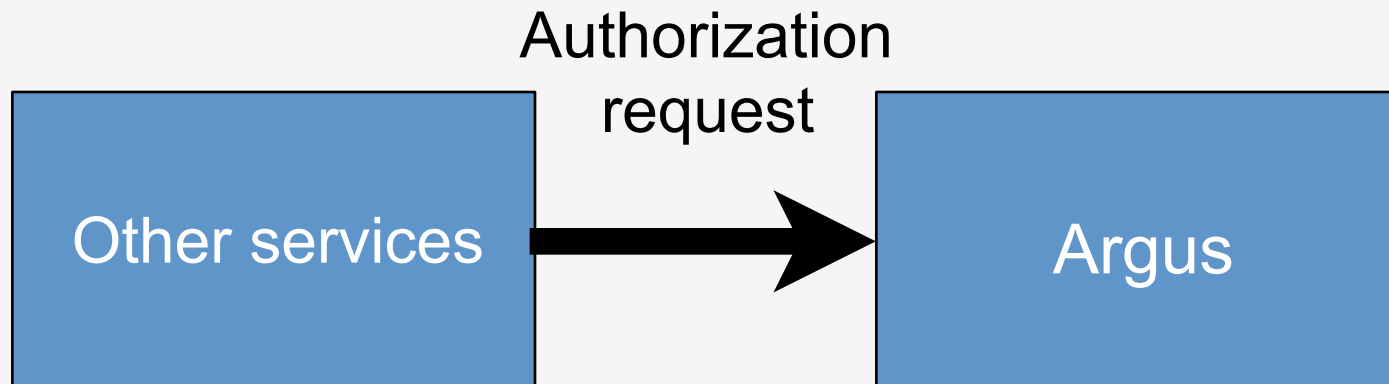
- Support the natively integrated deployment of LCAS/LCMAPS
- End of the year last:
  - Argus integration





# IGE security roadmap

- Support the natively integrated deployment of LCAS/LCMAPS
- This year:
  - VOMS and Argus integration in other services



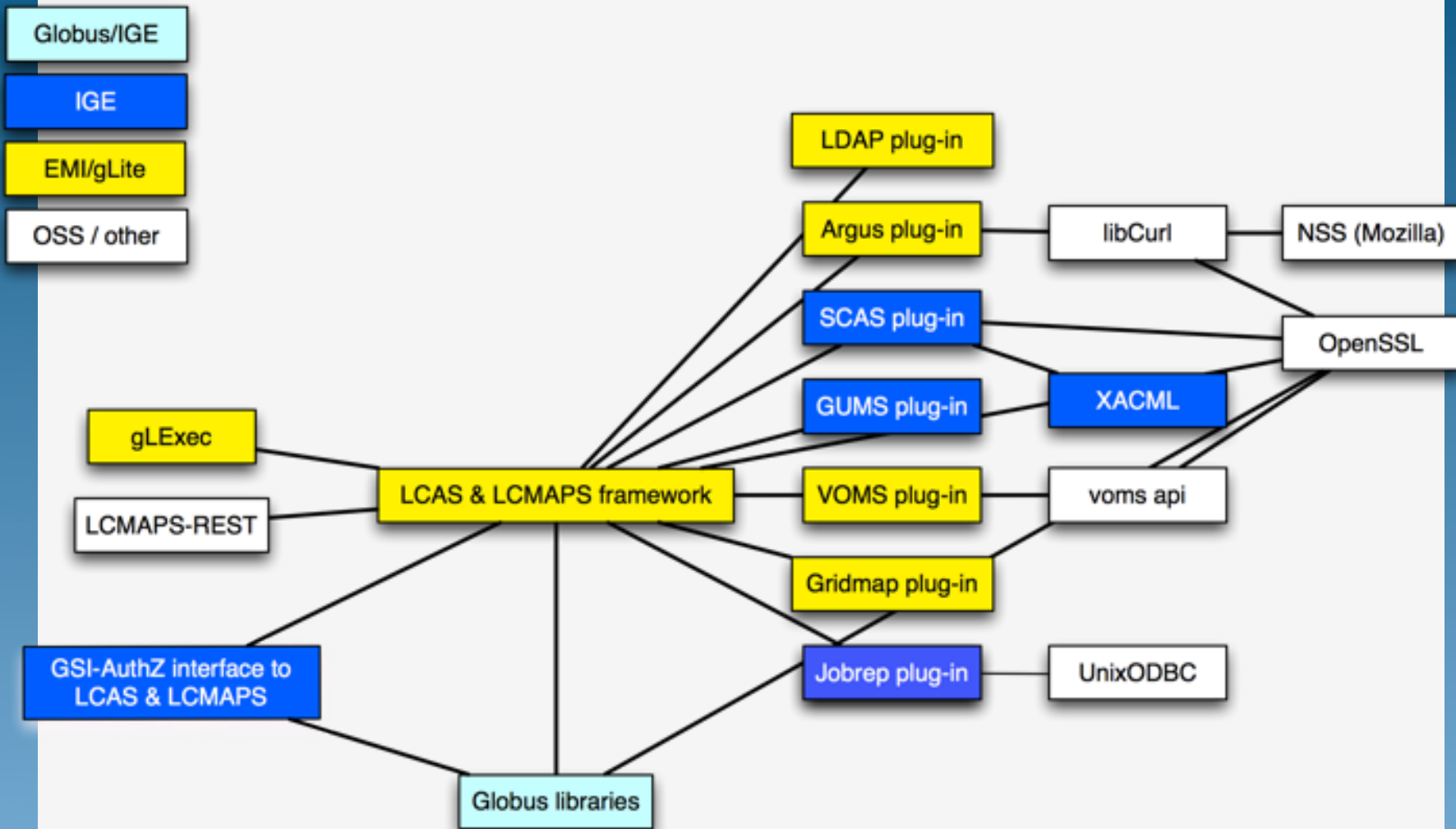


# UMD integration problems

- Cross project interdependencies are complex
  - Need extra care
  - The dependencies match
    - Will it work?
    - What do the release notes say about version mixing
  - The process needs to be clear to both parties
    - Technology provider and EGI



# UMD integration problems





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