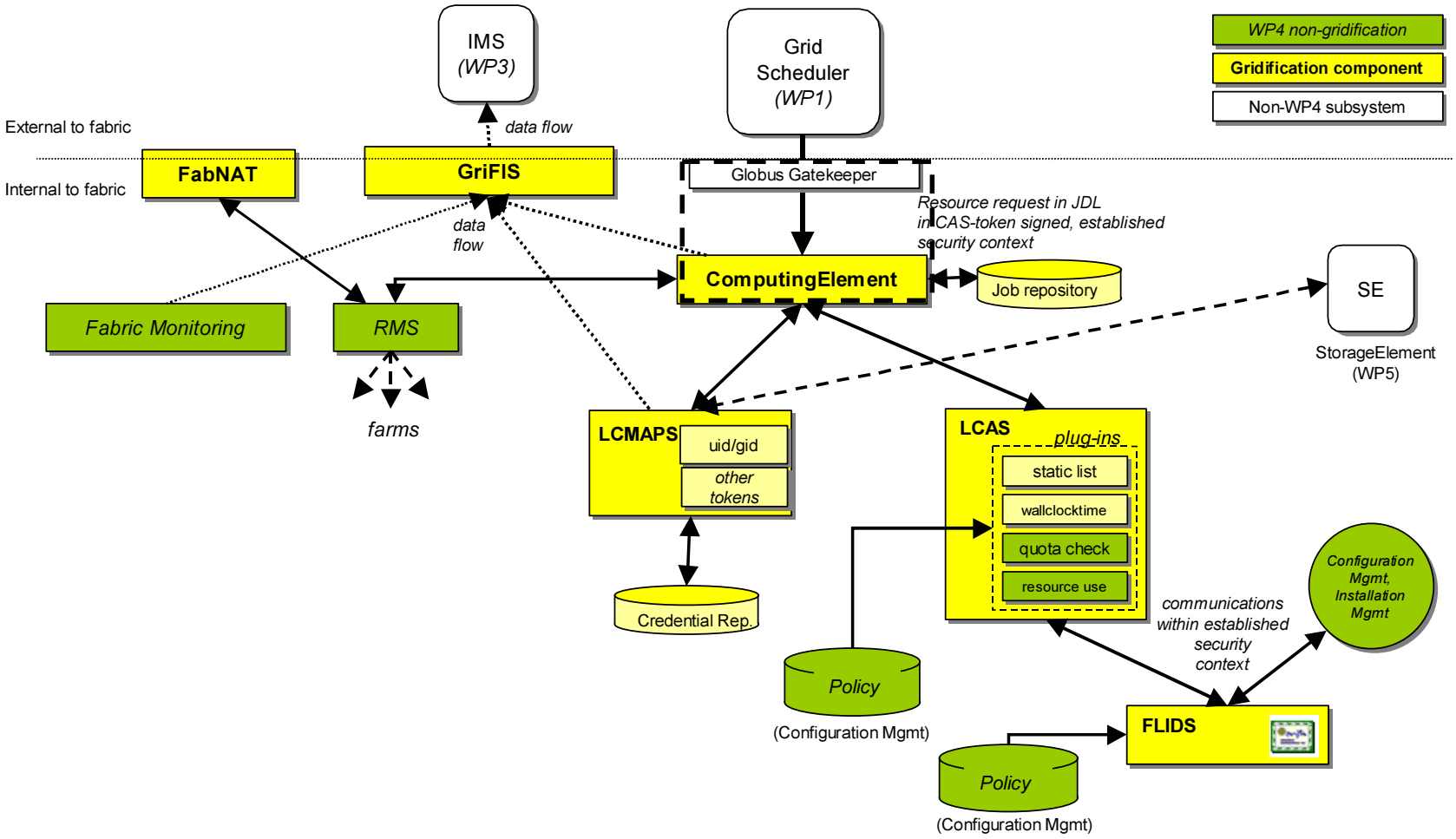
# WP4 Security Update

For WP4: David Groep

hep-proj-grid-fabric-gridify@cern.ch

# A Job lifecycle within the Fabric

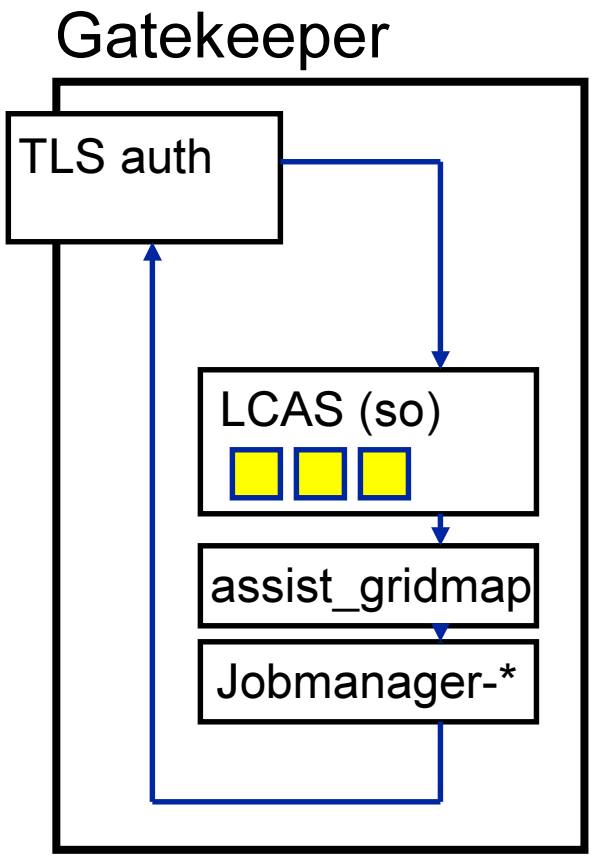


# Some WP4 security components

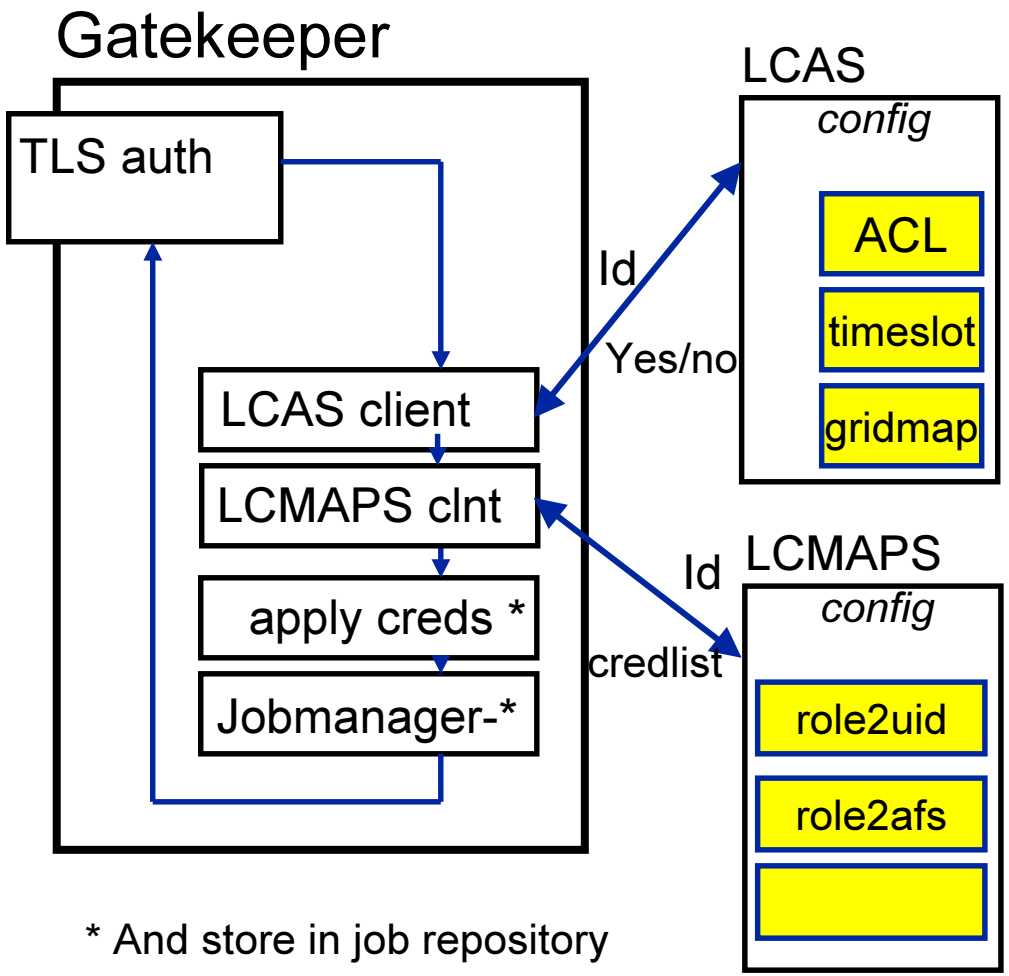
- Plug-able system for authorization (LCAS)
  - plug-in (PAM-like) framework
  - Use as an engine for policy-driven authorization
- LCMAPS local credentials
  - Credential generation plug-in framework
  - Logical place to add role support
- Additional modifications to gatekeeper required
  - error&status handling
  - Getting a useful message to the user

# Authentication control flow EDG gatekeeper

NOW




1.3, 1.4, 2+




* And store in job repository

# More components

- Configuration database
  - The CDB should keep all relevant configuration/policies
  - Can publish to information services (and integrate with WP3 tools)
  - High-level description language to be defined in June workshop
- Monitoring
  - Monitoring over unsecure networks
- Local ID service
  - To elimitate confusion: primary role is *inside* fabric
  - Secure install services, etc.

# Status and plans

- Progress on LCAS
  - Added hook in gatekeeper → `edg_gatekeeper`
  - Early prototype in Release 1.2: shipped as shared object with three components (allow, ban, timeslot)
  - Dynamic plugin frameworknow being unit tested within WP4/gridification
  - To be released in 1.3
  - More plug-in components can be developed independently (is simple)
- LCMAPS
  - Release planning changed to provide it earlier (1.4)
  - Keep all the useful functionality from Andrew
  - Extend with role support (interaction with client side TBD)