Brokering requirements in EGI user communities

TCB Action 03/26

Existing requirements

- ## RT #918: Pilot job support in Grid middleware
  - https://rt.egi.eu/guest/Ticket/Display.html?id=918

- ## Workload management
  - https://wiki.egi.eu/wiki/UCST_Internal#UCB_open_requirements

- ## RT # 928: Scientific data flows
  - https://rt.egi.eu/guest/Ticket/Display.html?id=918

RT #918: Pilot job support

- This *may* become a requirement
  - UCST will run a survey to gather more information.

- Simple workload queue systems by architecture

- Perfectly suited for virtualised infrastructures
  - One usage scenarios of the Federated Clouds TF
  - WeNMR integrates pilot jobs across Grids and clouds
  - https://wiki.egi.eu/wiki/Fedcloud-tf:WorkGroups:Scenario2

- No broker or workflow requirement

Workload management

- ## With the TCB for quite a while RT #1777
    - https://rt.egi.eu/guest/Ticket/Display.html?id=1777

- ## Deals with better documentation on scalability limitations in existing WMS
    - Documentation is expected in December 2011

- ## No broker or workflow requirement

RT # 928: Scientific data flows

- UCB feels this not being in scope of the UMD.

- Aligns well with UMD Roadmap assessment for workflows
    - D5.4 EGI Technology Roadmap: http://go.egi.eu/612
        - Page 20, Figure 7

- Requires stable APIs
    - Introduction of SAGA facilitates this

Conclusions

- From the user perspective, there are no new requirements or needs.

- Current Middleware stacks either satisfy needs, or are already aware of issues (pilot jobs, EMI).

- Real workflow needs are community-specific.