Jose del Peso
UAM (Madrid)

Quattor is used at UAM for the installation + configuration of three different types of clusters:

- Cluster UAM-LCG2
  - 130 Worker Nodes (WN) at present
  - Part of a Distributed Tier-2 infraestructure
  - LCG middleware
  - Middleware Upgrades correlated with other sites on the Grid → no delays allowed.
  - Cluster located in a room.
  - Worker Nodes: installation through local network.
- Cluster GVMUAM-LCG2
  - It uses University resources: mainly PCs for student lectures
  - About 500 WN at present
  - Only available outside academic hours
  - Used for calculations on different topics, not only Particle Physics, although it is administrated by us.
  - LCG middleware
  - WN distributed in different rooms over the whole University Campus.
  - Only a fraction of the Hard Disk available. It must preserve existing partitions.
  - Grub is not necessary
  - Slow network connection. Quattor may fail at software installation due to http timeout.

  - No full control of DHCP: server it is located in the computer center.

- Cluster WS
  - User desktops (about 40 desktops at present)
  - Certain template organization: Departament, Group, Subnetwork.
  - Software for desktop
  - Components to configure usual services: printers, monitor, ...
  - Online configuration changes according to user requests.