



Enabling Grids for E-science

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Information Society
and Media



- **Thanks**
 - Rosette Vandenbroucke, ULB & her team for hosting us
- **Logistics**
 - Breaks
 - Continuous coffee at the back of the room
 - Snack bar
 - Toilets
 - Outside the door!
 - Meal
 - Make sure you have paid or bank transfer has gone through
- **Wireless**
 - Self registration

- **EGEE III comes to an end in April 2010**
- **European Grid Infrastructure due to start in May 2010**
- **We need to plan our transition to this new model**

**Without any disruption to
our user communities**



EGEE: A single integrated project

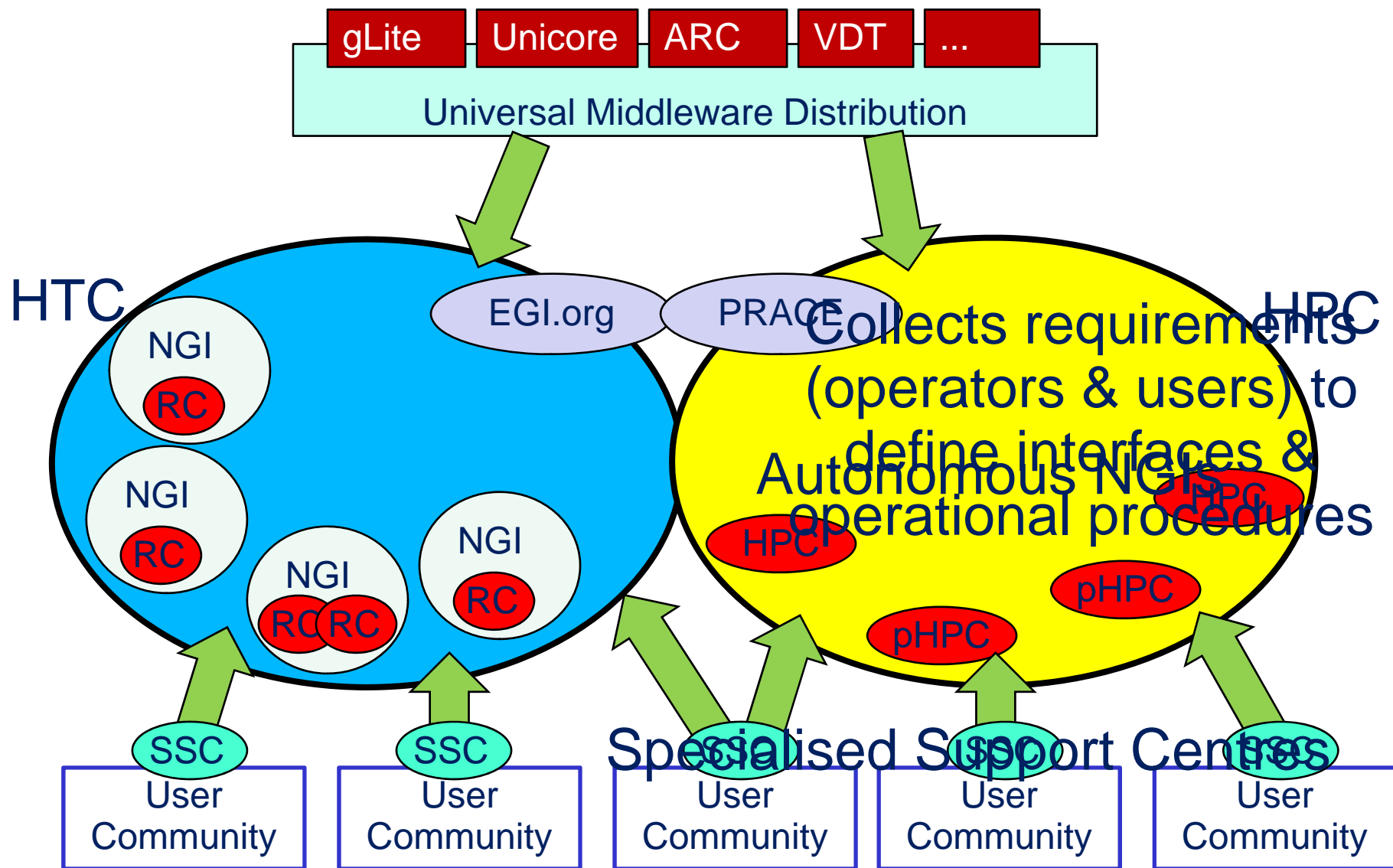
Enabling Grids for E-science

- **Infrastructure operation - Sites distributed across many countries**
 - Large quantity of CPUs and storage
 - Continuous monitoring of grid services & automated site configuration/management
 - Support multiple Virtual Organisations from diverse research disciplines
- **Middleware - Production quality software distributed under business friendly open source licence**
 - Implements a service-oriented architecture that virtualises resources
 - Adheres to recommendations on web service inter-operability and evolving towards emerging standards
- **User Support - Managed process from first contact through to production usage**
 - Training
 - Expertise in grid-enabling applications
 - Online helpdesk
 - Dedicated support for specific disciplines (e.g. fusion)
 - Networking events (User Forum, Conferences etc.) for cross-discipline interaction



- **Resources Centres are federated into regions**
- **Each region has a dedicated Operations Centre**
- **A single ENOC coordinates the grid / networking interface**
- **Maintenance of gLite middleware**
- **Integration & certification of software**
- **Release and deployment of software onto resources**
- **Support of specific application domains**
- **Training, dissemination, policy & standards**
- **Management**

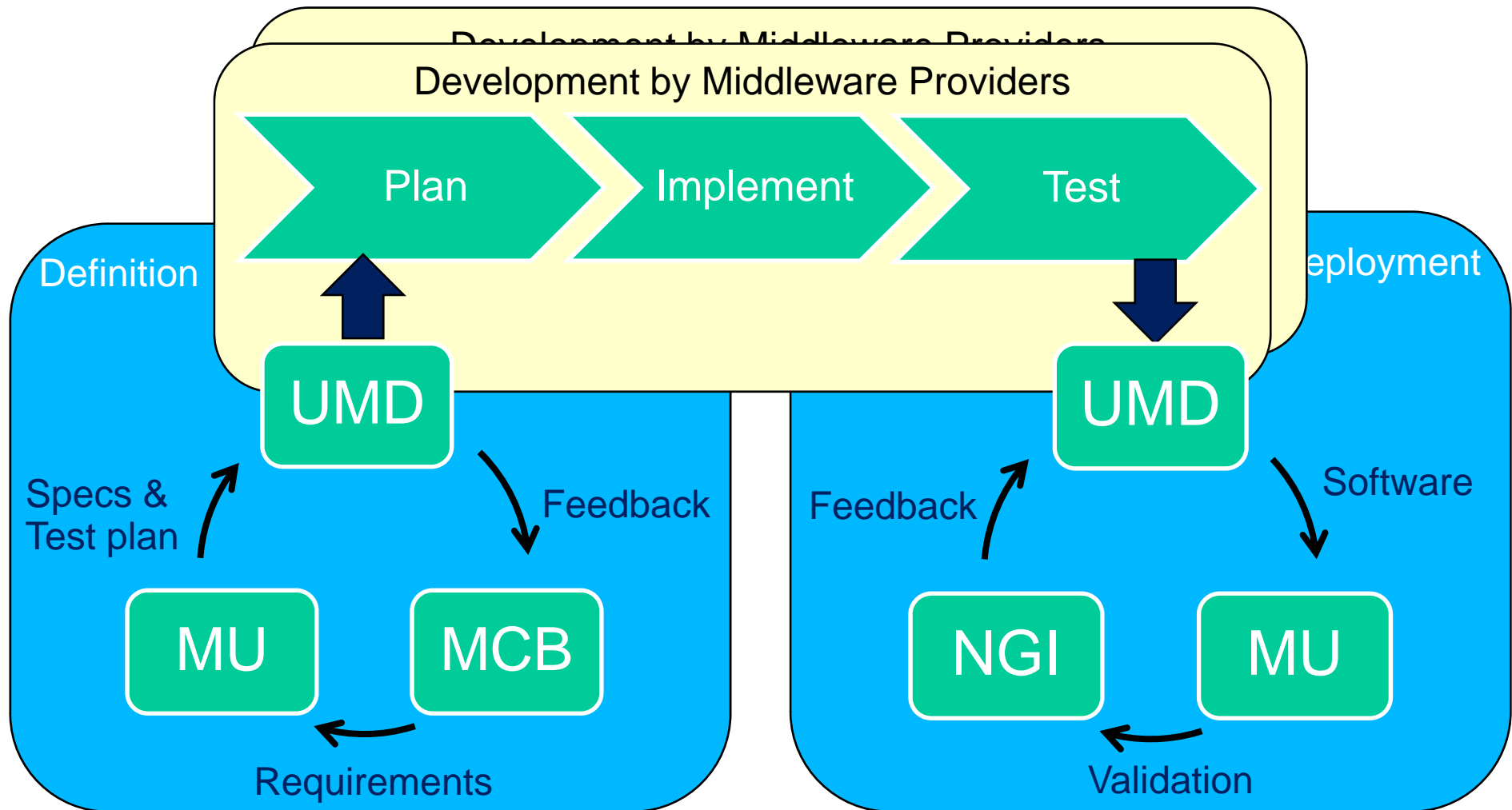
**Operates as a single
integrated project**



- **The 'hub' (EGI.org)**
 - Coordinates input from stakeholders
 - Manages the operational infrastructure
 - Minimally, defines and validates a middleware distribution
- **Support (Specialised Support Centres)**
 - Oriented around user communities
 - Domain specific software, training, support, services, ...
 - Training
- **Operations (Autonomous NGIs)**
 - National funding possibly supplemented by EU
 - Some tasks undertaken by an NGI on behalf of EGI.org (e.g. ENOC)
- **Middleware (Universal Middleware Distribution)**
 - Support for European middleware development
 - gLite, ARC, Unicore
 - Integration, testing & validation around defined interfaces/standards

A Middleware Production Line?

MCB: MU + OPS + UCS



- **Current Status**
 - EGI Design Study in the EGI Blueprint
 - gLite Consortium
- **Transition Issues**
 - Where do the current EGEE activities fit in the EGI world
 - SSC, NGI, EGI.org, UMD, gLite Consortium, ...
 - How will these tasks interact with each other?
 - What assumptions are we making?
 - What unknowns do we currently see?
- **Living in an EGI world**
 - How well do we fit within the EGI world?
 - What tasks can be done given the resources in EGI.org?
 - Identify which tasks belong in which structure

- **Collect the raw data to plan our transition to EGI**
- **Input into EGI_DS deliverables**
 - Transition plan for the **whole** community to EGI
 - Covering EGEE, collaborating projects, PRACE/DEISA, ...
 - Draft ready by the end of February for the UF
 - Final version by the end of March
 - Review of functions document
- **Input into our revision of the DoW for next year**
- **Review of our policy documents**
 - Security (JSPG)
 - Middleware Process
 - Operations