

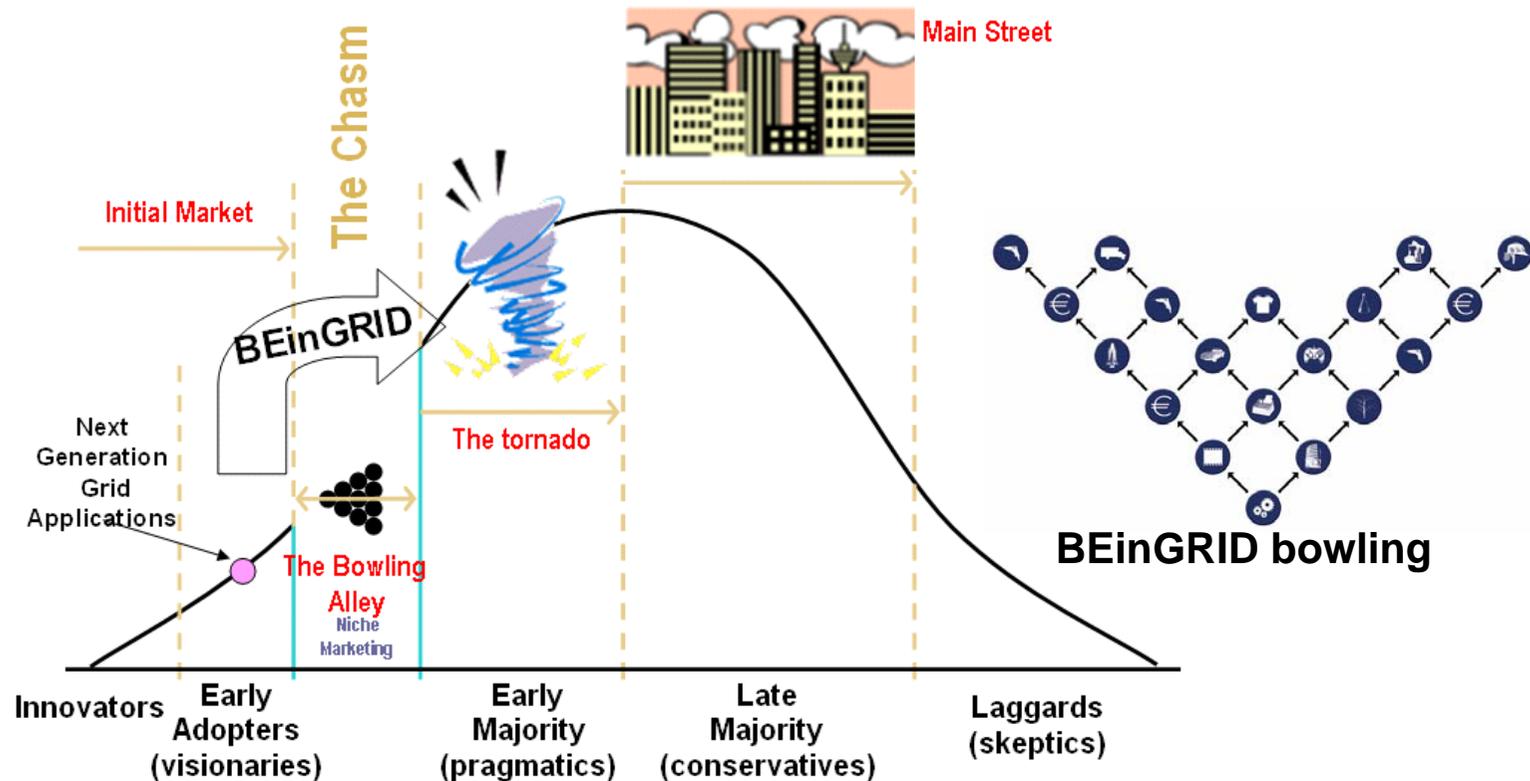


Business Experiments in GRID

www.beingrid.com

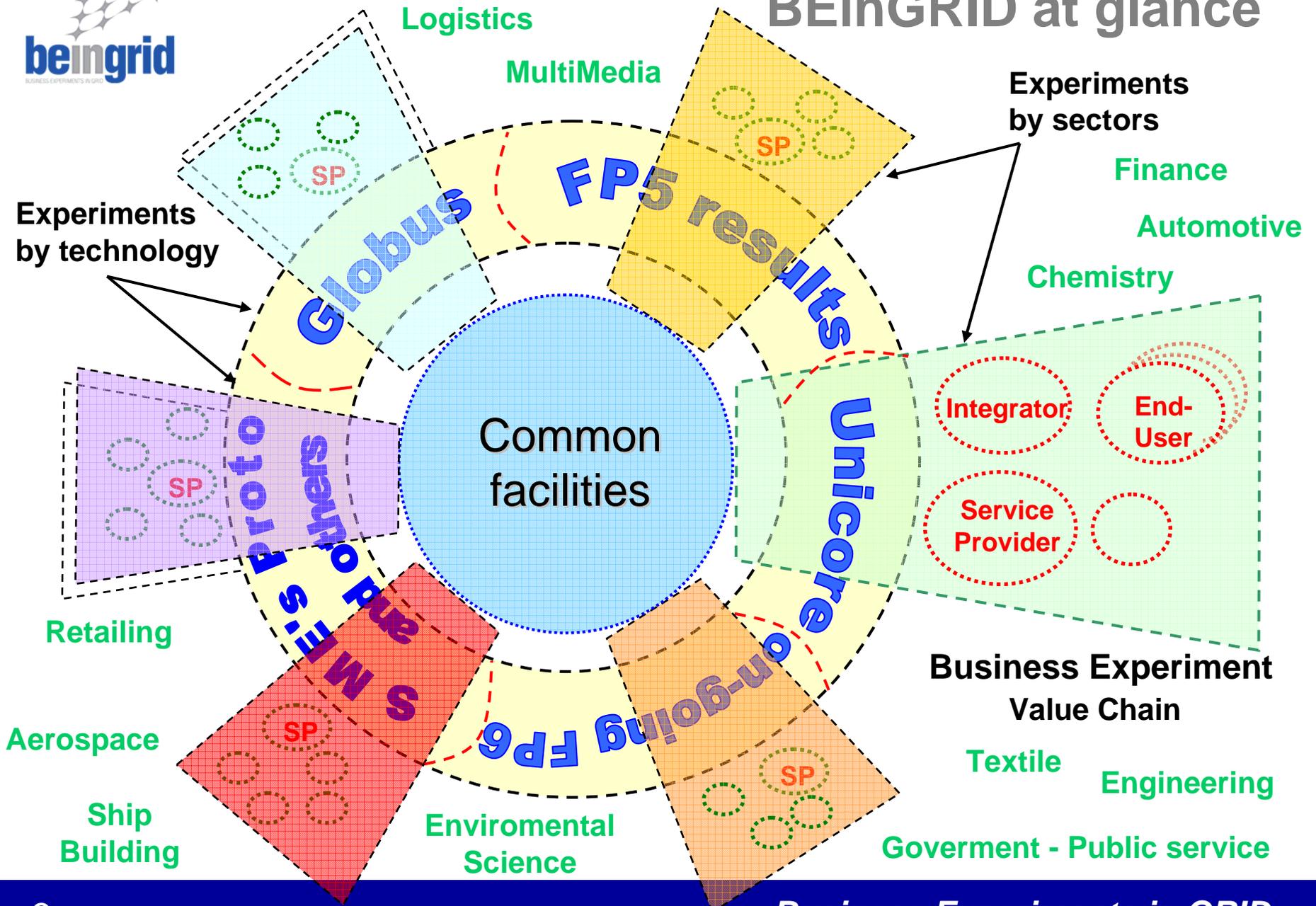
Linz, 10th April 2006

Context and BEinGRID Mission

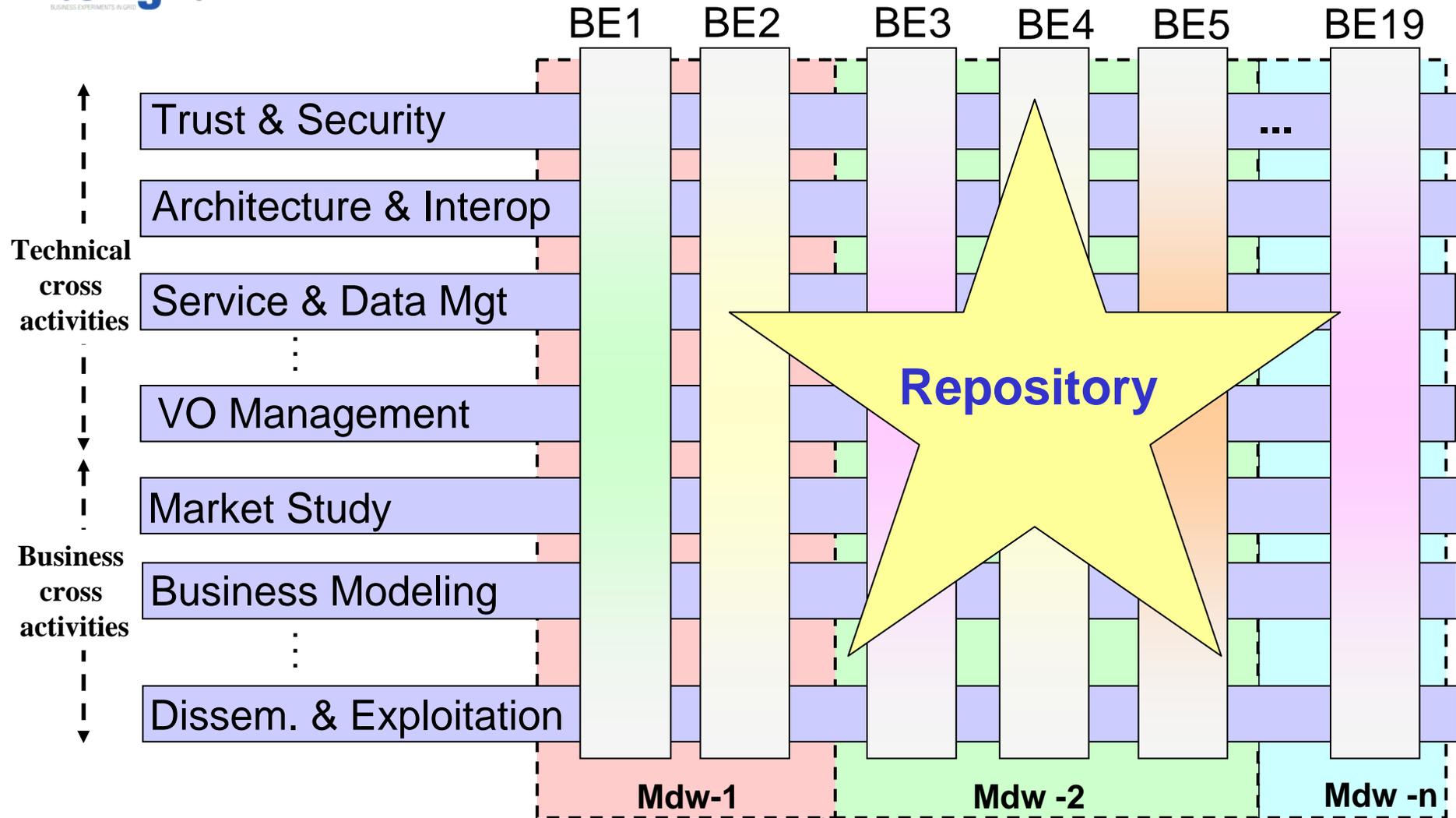


The mission of BEINGRID is to Exploit European Grid middleware by creating a *toolset repository* of Grid services from across the Grid research domain and to use these services to deliver a set of *successful business experiments* that stimulate the early adoption of Grid technologies across the European Union.

BEinGRID at glance

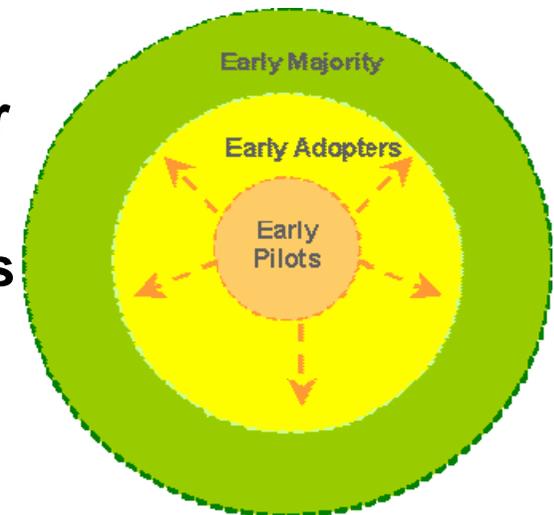


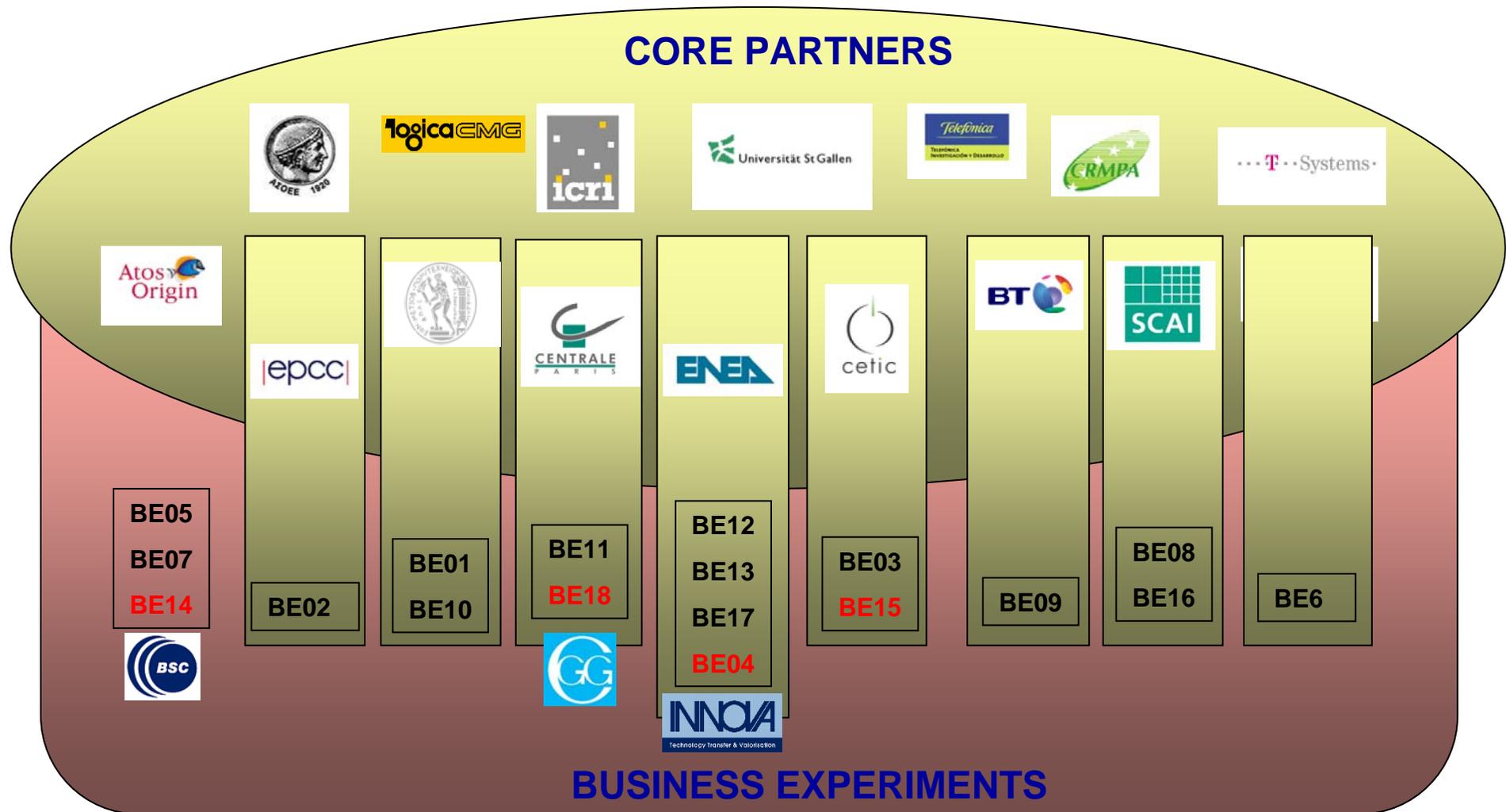
BEinGRID S&T Approach



Selected branches: GTv4, UNICORE/GS, g-lite, .NET, GRIA, WS-*

- **Early adoption of Grid technologies**
 - To produce and validate a set of successful business cases
 - 19 Grid pilots in first wave
 - Second wave in *open call*
 - To capture best practice guidelines for the end-users and software profiles
- **Creation of a toolset repository (with upper layers / solutions)**
 - based on main Grid foundation middlewares for business exploitation → design and develop “glue software” among middlewares

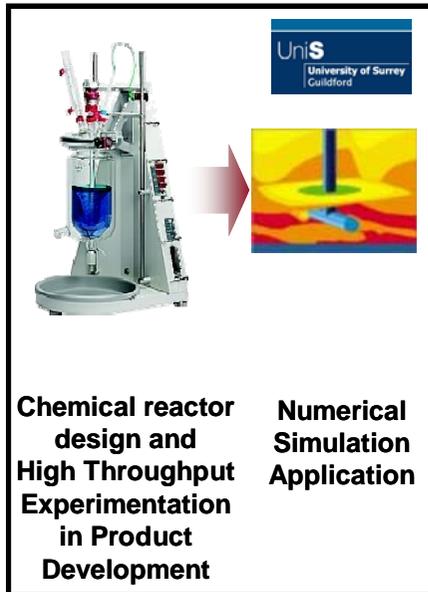




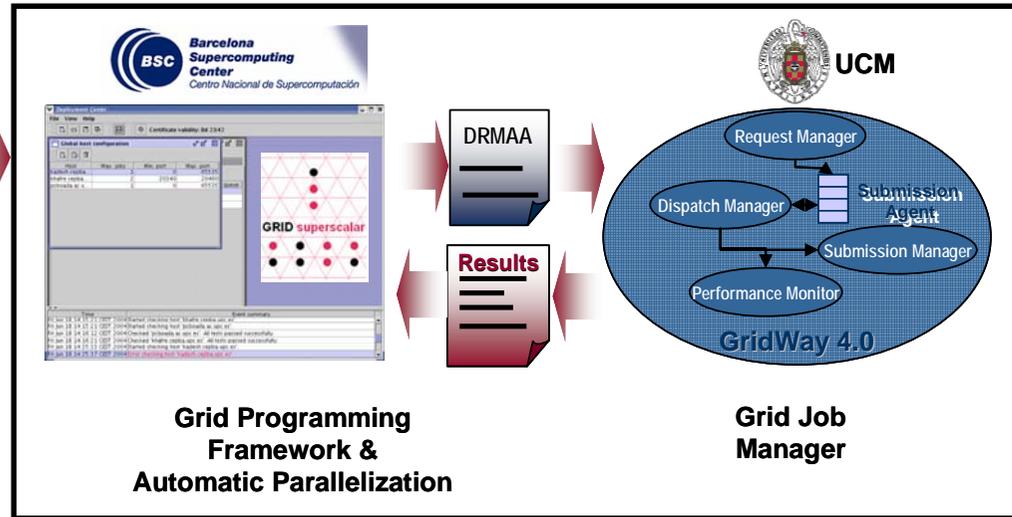
- ***Chemical reactor design and High Throughput Experimentation in Product development***
- **Leader: BSC (ES)**
- **Other partners UCM (ES), UniS (UK), LIKAT (DE)**
- **Application: Process and product development for the chemical industry**
- **Middleware:**
 - **GRID superscalar: programming framework that Grid-enables sequential applications and exploits the inherent parallelism**
 - **GridWay: workload management tool and metascheduler**
 - **The experiment will implement the interoperability of both tools through the DRMAA GGF standard**

Business Experiment 14

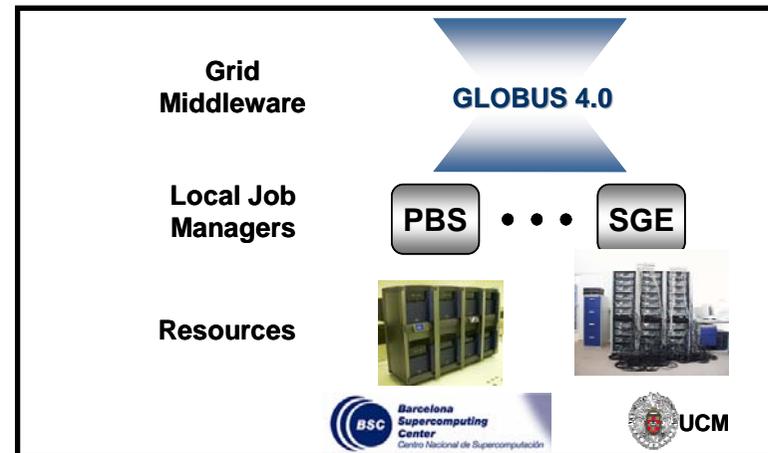
END-USER



TECHNOLOGY PROVIDERS & INTEGRATORS



SERVICE PROVIDERS



BEinGRID impact:

- **Increased competitiveness of GRID-based technology solution providers**
- **Increased competitiveness of business and public application sectors by the take-up of the GRID based solutions**

Exploitation is achieved:

- **Through Service Providers in BE's who act as multipliers within their own business community as bridgeheads**
- **Through the availability of a repository containing the validated components for use by the European technology solution providers**

"Crossing the Chasm", for Grid technology, can only succeed when those companies and organisations that reach the "other side" are diverse enough to form a healthy Grid user base

Small companies and organisations are an important part of a healthy economy, hence BEinGRID considers them crucial.