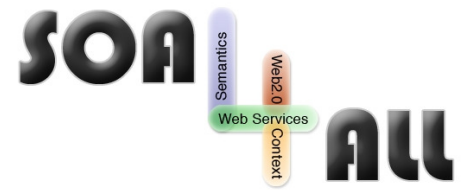


- >> BOOST PERFORMANCE
- >> REDUCE COST
- >> INCREASE AGILITY
- >> ENHANCE CRM
- >> SHORTEN TIME TO MARKET
- >> DRIVE INNOVATION
- >> IMPROVE EFFICIENCY
- >> INCREASE ADAPTIVITY
- >> ENABLE BUSINESS TRANSPARENCY
- >> ENSURE REGULATORY COMPLIANCE



**“Suggestions and requirements”**  
**B06 Experimental facilities**  
**Future Internet Conference Bled**



*Santi Ristol - ATOS ORIGIN*  
*2nd April 2008*

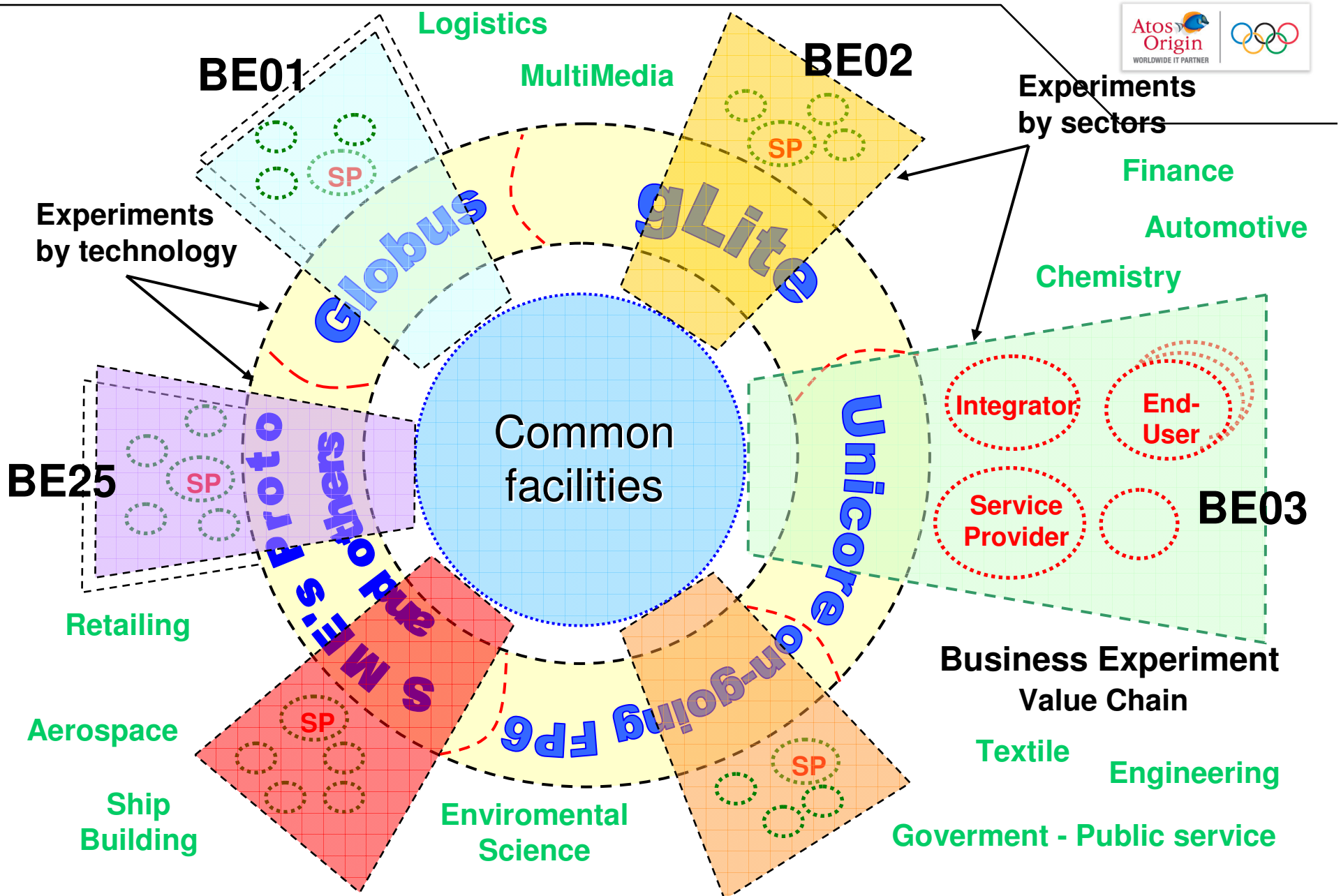
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# Agenda

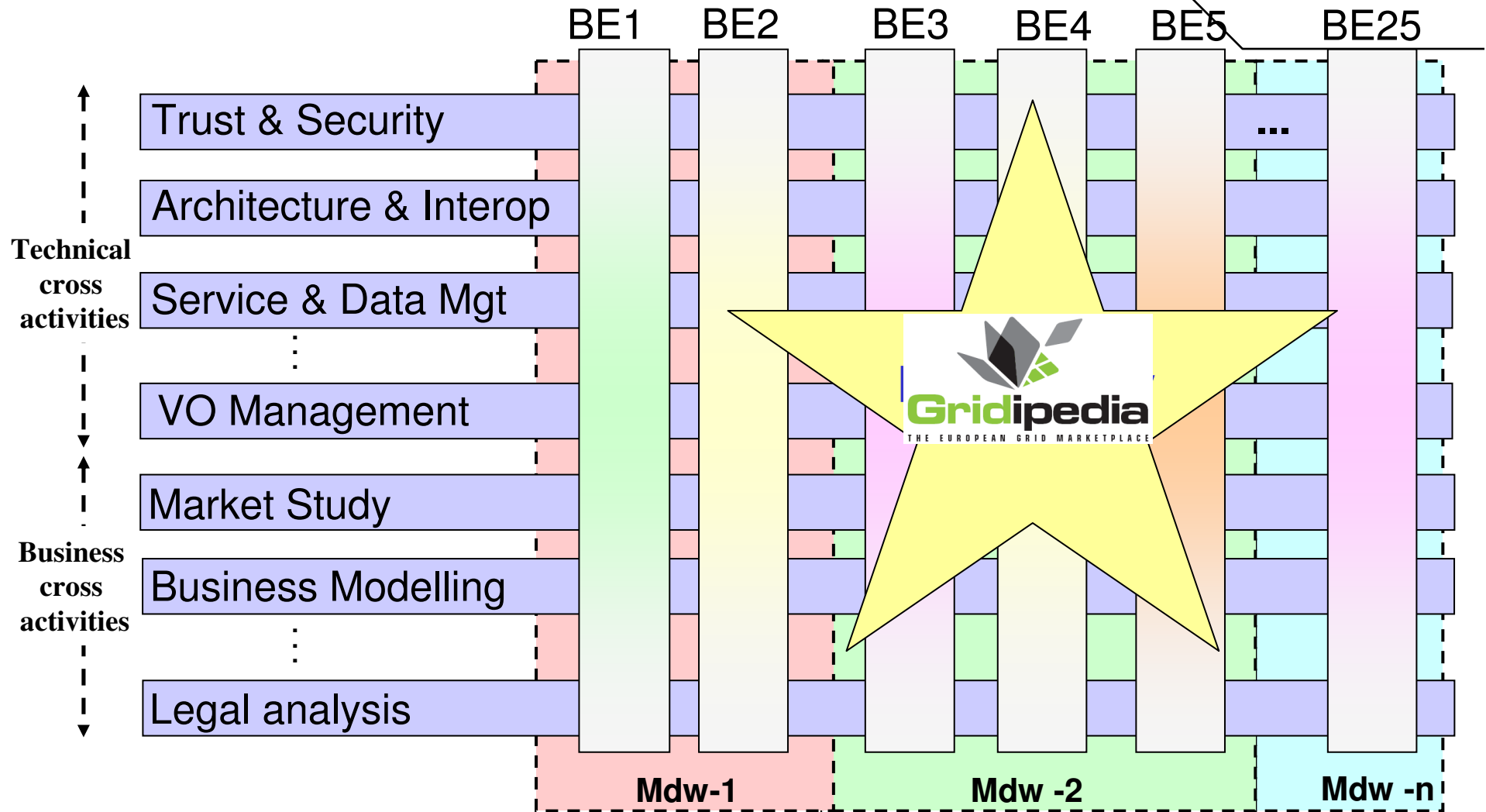


- » **Suggestions from BEinGRID experience**
  - » **96 partners & 25 Business experiments**
- » **Requeriments for federated testbeds**

# BEinGRID – 25 business experiments (“testbeds”)



# BEinGRID Common Facilities



Selected branches: GTv4, UNICORE/GS, g-Lite, GRIA, WS-\*

# Agenda



- » Suggestions from BEinGRID experience
- » **Requeriments for federated testbeds**

# SOI requirements for federated testbeds (I)



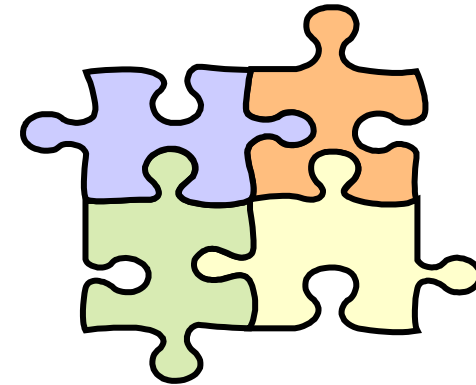
Main objective: go for a global interoperability test framework containing heterogeneous project results

- » Hardware virtualisation → for independent resource access and allocation
  - » Customisation of platform based on governance policies → Simple Management & Sustainable Operation
    - » QoS specification \*
    - » VO definition
    - » Trust & Security \*
    - » IPR & legal
    - » ...
  - » Technology convergence should be considered
    - » Mobile Grid,
    - » Multimedia agents,
    - » Intelligent networks,
    - » .....
- (\* Cross level)

## SOI requirements for federated testbeds (II)



- » Allow true SOA approach for tests → based on a generic reference architecture with:
  - » Independent functional component description (Common capabilities & Design Patterns)
  - » Standardisation of interfaces
  
- » Development of sound test common procedures
  
- » Analysis of different business models



# (Cross domain) Service Requirements

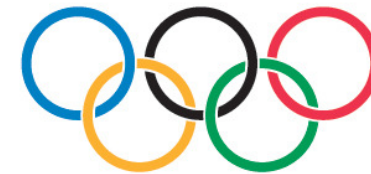


- » **Scalability:**
  - » Reliable management of composed services
  - » Assurance of QoS in a multi-network environment
- » **Trust and security:**
  - » At all levels, not only in the service layer
  - » And covering many configurations, such as P2P
- » **Interoperability:**
  - » Special focus on the interoperability of the service layer with the network and application layers of different providers
- » **Pervasive Usability:**
  - » Many users using many different devices in many different contexts
- » **Mobility:**
  - » On-the-go service creation
  - » Provision of fixed-mobile convergence in a wide sense

- » BOOST PERFORMANCE
- » REDUCE COST
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**Thank You!!**

[santi.ristol@atosorigin.com](mailto:santi.ristol@atosorigin.com)