



European Middleware Initiative (EMI)

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What is EMI?

The European Middleware Initiative (EMI) project represents a close collaboration of the three major middleware providers - ARC, gLite and UNICORE, together with other software providers - to establish a sustainable model to support, harmonise and evolve the grid middleware for deployment in EGI and other distributed e-Infrastructures



Objectives

Consolidate

Consolidate the existing middleware distribution streamlining services and components to meet and exceed the operational requirements of EGI and other distributed computing infrastructures

Evolve

Develop and standardize the middleware services/functionality following the requirement of EGI and other DCIs, fully integrating virtualization, MPI, monitoring interfaces and embracing new computing models like clouds



Objectives

Support

Reactively and proactively maintain the middleware distribution to provide users with increasingly user-friendly, maintainable, reliable, stable, and scalable software

Promote

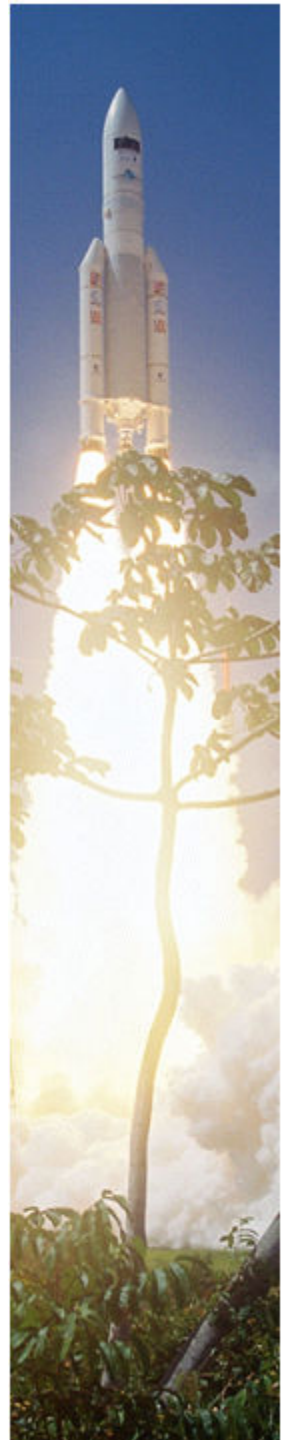
Promote the EMI achievements in the user communities, defining and implementing standards when needed, contributing to the establishment of a sustainable model



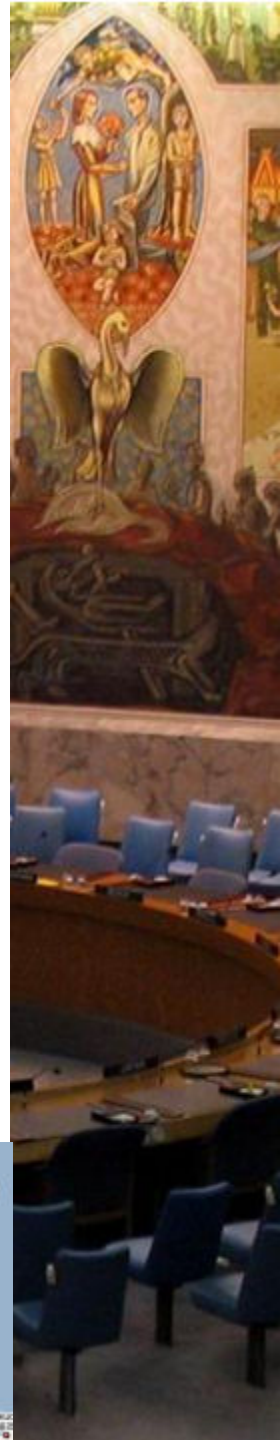
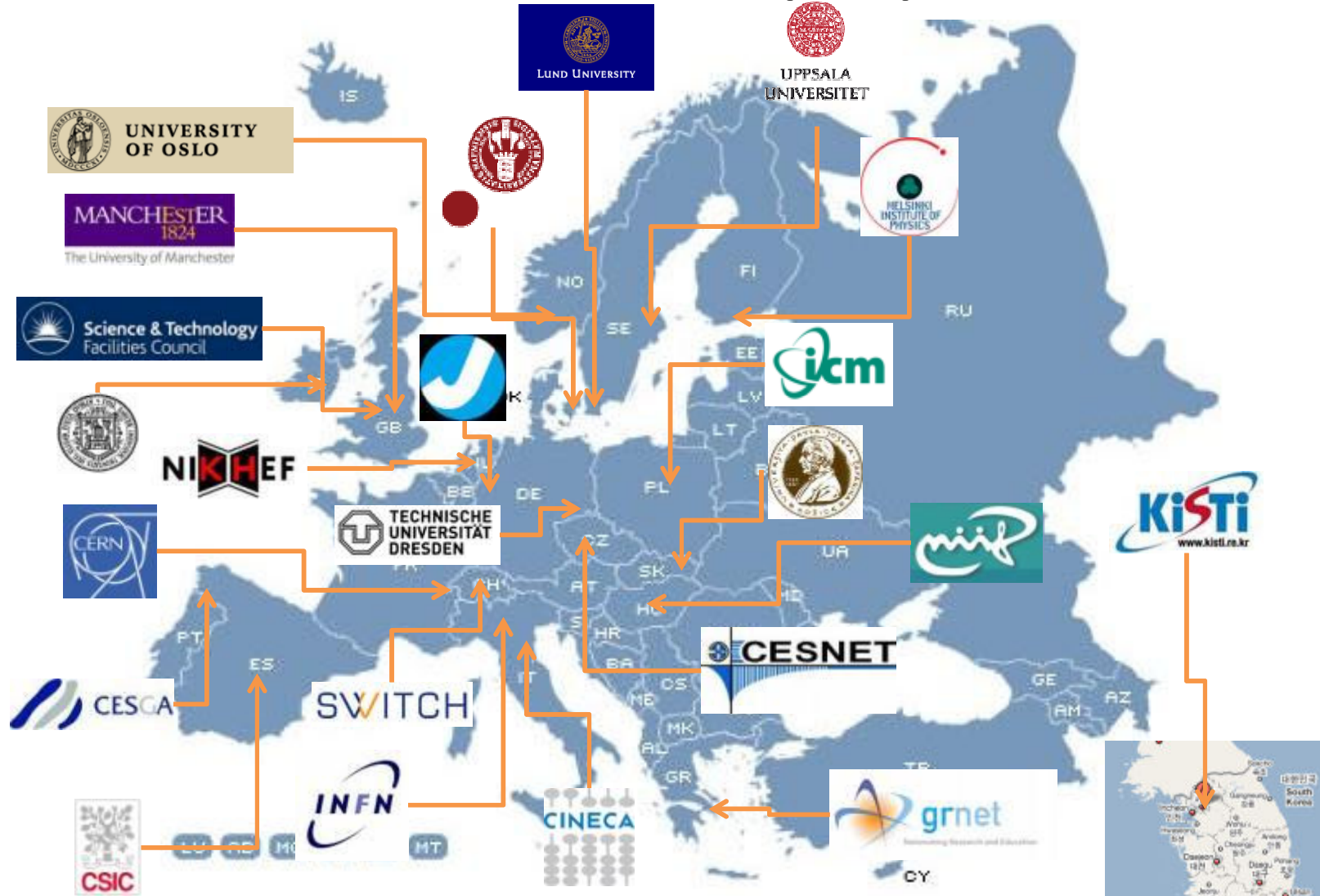
Technologies

- Messaging
- Accounting
- Monitoring (interfaces)
- MPI
- Virtualization
- Clouds access
- Use of standards
- Consolidation of security models
- Consolidation of clients/APIs
- Portlets specs

- Open QA/certification process



Partners (23)

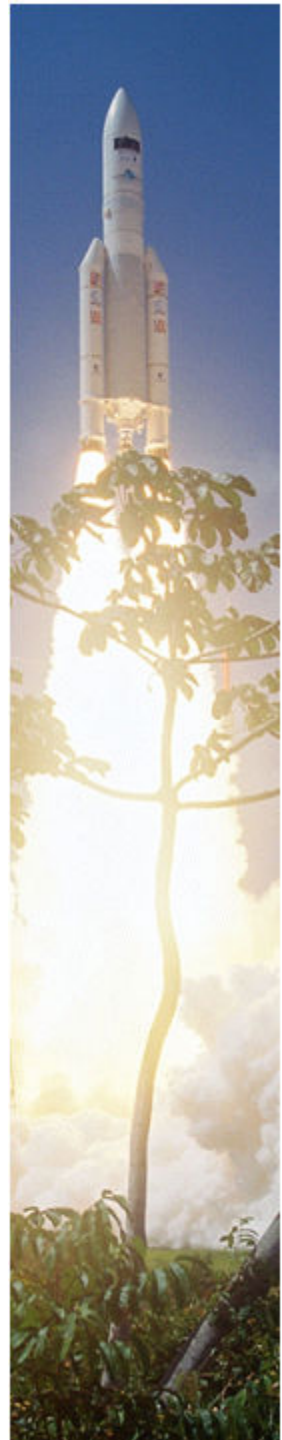


FP7 Program

FP7 Capacities Work Programme 2010: Infrastructures Call **FP7-INFRASTRUCTURES-2010-2**

Sub-topic: 1.2.1.3 – Middleware and repositories

Develop middleware that strengthens European presence by consolidating or even going beyond existing DCIs (e.g. exploiting emerging developments like virtualisation), while improving their stability, reliability, usability, functionality, interoperability, security, management, monitoring and accounting, measurable quality of service, and energy efficiency





European Middleware Initiative

Thank you