

expected innovative results



a generic platform that will combine new and existing Grid middleware in order to facilitate the provision of business services which mainly demand access and sharing of large quantities of distributed content

a generic platform



both desktop and mobile terminals are addressed, with advances proposed relating to extensions that will facilitate mobile devices to exploit Grid technologies in a seamless way

with mobile access

the potential effects of the platform will be validated through two pilot applications servicing news and banking organisations, demonstrating mobile access to distributed multimedia content and computationally expensive decision support for critical banking operations relying on distributed complex data



demonstrated with two pilot applications



Il gruppo bancario al centro delle Alpi

GRid enabled access to rich mEDIA content



Information Society

research challenges

Innovative search and retrieval mechanisms for fast access of annotated numerical and multimedia content distributed over the Grid, based on P2P overlay networks technology

generic Grid middleware

A new notation for Grid application developers which will allow for easy definition of Grid application's static (structure) and dynamic (control flow) aspects

Grid application development platform

Ontological services supporting interoperability in and across VOs, building a semantic abstraction layer over available resources in the Grid and utilising ontology/knowledge evolution

virtual organisation management

Implementation of information services that rapidly catalogue content enabling mobile devices to participate in a data Grid as service providers

mobile Grid environments

Addressing security issues as authentication of entities, confidentiality and integrity to accesses from remote resources specifically considering Grid based applications

security framework