DILIGENT
A step towards a knowledge infrastructure
Duration: 3 years
Commencement Date: September 2004
Effort: 1024 p/m
Cost: 9.8 M Euro
EU funding: 6.3 M Euro
Partners

- Consiglio Nazionale delle Ricerche - ISTI (Italy, Scientific Co-ordinator)
- European Research Consortium for Informatics and Mathematics (France, Administrative Co-ordinator)
- University of Athens (Greece)
- Swiss Federal Institute of Technology Zurich - ETH Zurich (Switzerland)
- Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. - IPSI (Germany)
- University for Health Informatics and Technology Tyrol (Austria)
- University of Strathclyde (United Kingdom)
- Engineering Ingegneria Informatica SpA (Italy)
- Fast Search & Transfer ASA (Norway)
- 4D SOFT Software Development Ltd. (Hungary)
- European Organization for Nuclear Research (Switzerland)
- European Space Agency - ESRIN (Italy)
- Scuola Normale Superiore (Italy)
- RAI Radio Televisione Italiana (Italy)

???????????????????????? 17th November 2004
Research today

- Research is carried out by groups of individuals, belonging to different institutions, that dynamically aggregate to carry out projects together.

- By sharing their resources these individuals create better conditions for their research.

- Digital libraries, by maintaining and making worldwide accessible the knowledge produced, are essential instruments for scientific collaboration in any research area.
The digital library crisis

- The construction and management of a DL requires high investments and specialized personnel.

- Years are spent in designing and setting up a DL.

- Multimedia and multi-type handling, the new DL frontier, is very limited since the processing of these new types of documents requires with high computing capabilities.
DILIGENT

A Digital Library Infrastructure on Grid Enabled Technology

17th November 2004
Create an advanced Grid-based Digital Library Infrastructure that will allow members of dynamic virtual research groups to create on-demand transient digital libraries based on shared computational, storage, multimedia, multi-type content and application resources.
DILIGENT Framework

VDLCreation service

annotation

search

Metadata mgt

17th November 2004
DILIGENT will build an architectural framework based on **Grid technologies**
- Controlled sharing of resources
- High computing and storage capabilities for the handling of a wide variety of information objects

EGEE will provide the high computing capabilities, DILIGENT will add everything is needed to handle the sharing of knowledge and the knowledge management services.
www.diligentproject.org

Contacts:
Jessica Michael ....

Donatella Castelli
ISTI-CNR
donatella.castelli@isti.cnr.it