### Big data e 3D per la cultura



VISUAL INFORMATION TECHNOLOGY LAB

CINECA

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## The Consortium



Cineca is the consortium of 70 Italian Universities

The Ministry of Education, University and Research (MIUR), the National Institute of Oceanography and Experimental Geophysics – OGS, the CNR (National Research Council), National Institute for the Evaluation of the Educational System of Instruction – Indire, National Institute of Documentation, Innovation and Education Research – Invalsi







# The Consortium



Founded in 1969 to provide computing support for scientific research, over time it has extended its range of activities to all key sectors of Information and Communication Technology.

- Cineca supports the whole Higher Education and Research system
- High Performance Computing Information systems
  - for the Italian Ministry of Education, University and Research
  - for the italian academic system,
  - for health care organizations







#### Towards a digital infrastructure

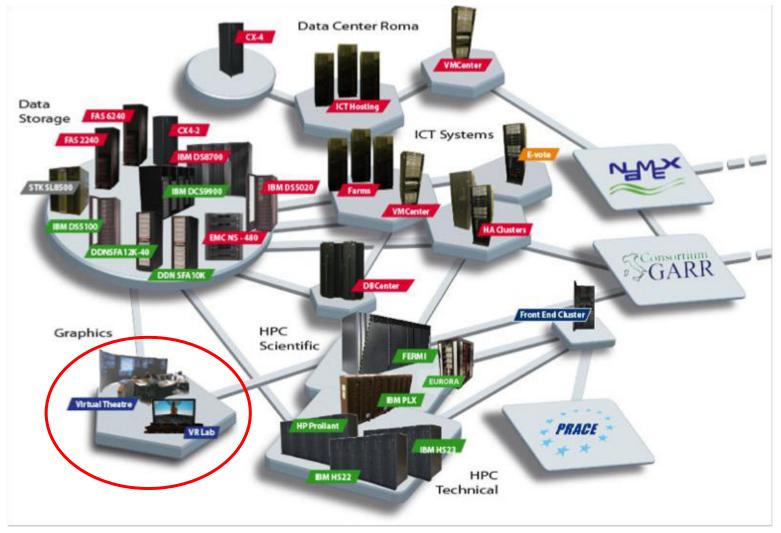
Challenges and treats to create a national research hub



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#### HPC Environment





### Partnerships and European projects









CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL



ALMA MATER STUDIORUM Università di 30100 na







#### Virtual Heritage applications developed at Cineca













#### Computer Graphics for Research and Communication A Multidisciplinary Environment on Open Source Frameworks and HPC Facilities

CINECA Virtual Theater management

Blender Render Farm Service HPC Blender competence center

3D laser scanning3D Modeling and Procedural modeling

Interactive Virtual Environments Design Digital Preservation Digital Libraries

Training courses on Computer Graphics for Cultural Heritage.







#### IDEA Documents | Documenti IDEA

email IDEA.

Q IDEA HOME IDEA PROJECTS | PROGETTI IDEA -



Italiano

PRINCIPAL INVESTIGATOR | RESPONS-ABILE SCIENTIFICO

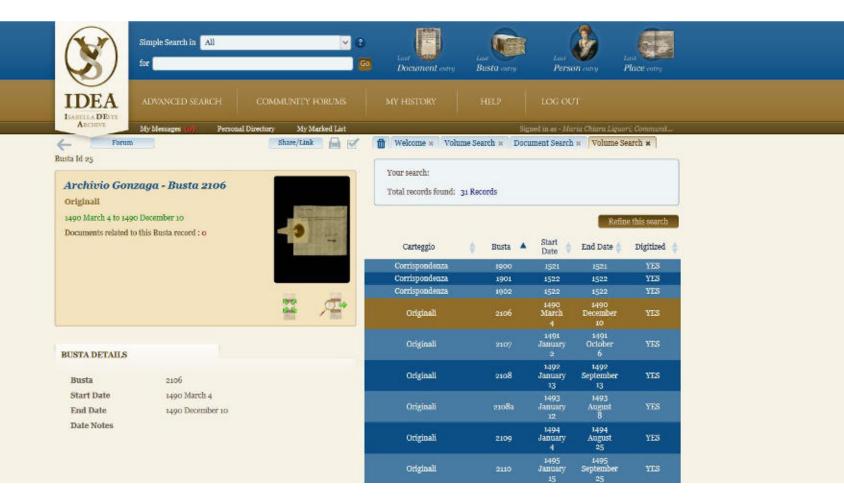
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http://isabelladeste.ucsc.edu/

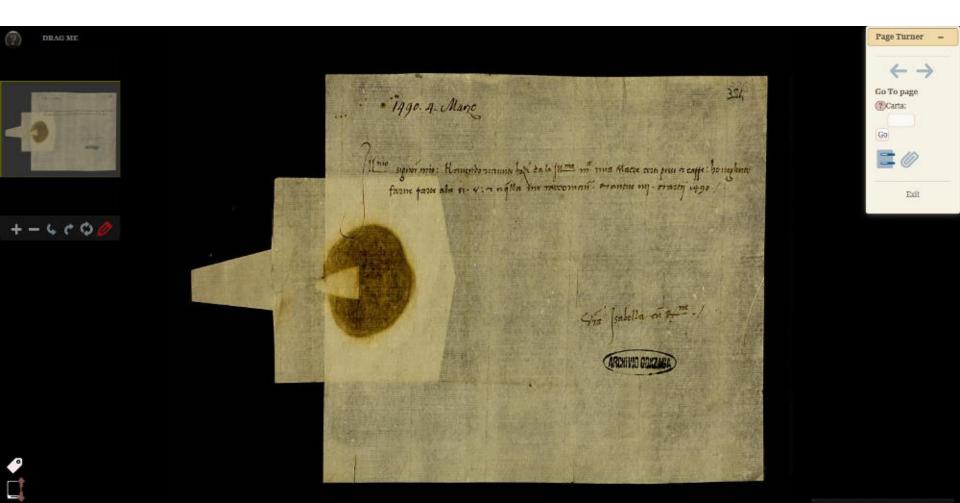












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Modello 3D della lettera - link esterno







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