Why eInfrastructures are Important for Cultural Heritage?

Artur Serra

Indicate Workshop, June 14, 2011

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Summary

1. What is an e-Infrastructure?
2. Types and its evolution.
3. An e-Culture Infrastructure?

1. What is an e-Infrastructure?

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e-Infrastructure Home
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e-Infrastructure

e-infrastructure

The **e-Infrastructures activity**, as a part of the **Research Infrastructures programme**, focuses on ICT-based infrastructures and services that cut across a broad range of user disciplines. It aims at empowering researchers with an easy and controlled online access to facilities, resources and collaboration tools, bringing to them the power of ICT for computing, connectivity, storage and instrumentation. This allows for instant access to data and remote instruments, "in silico" experimentation, as well as the setup of virtual research communities (i.e. research collaborations formed across geographical, disciplinary and organisational boundaries).

e-Infrastructures foster the emergence of e-Science, i.e. new working methods based on the shared use of ICT tools and resources across different disciplines and technology domains. Furthermore, e-Infrastructures enable the circulation of knowledge in Europe online and therefore constitute an essential building block for the **European Research Area(ERA).**

The **Communication from the European Commission on ICT Infrastructures**

Highlights

New publications available here

New calls for tenders here

Joint neuGRID /outGRID Event at Euro Parliament: 26 January 2011

GÉANT Expert Group: "What role for European Research and Education networking in 2020"

AfricaConnect Project kicks off at IST Africa 2011

Calls

e-Infrastructure

-ICT based Infrastructure supporting research collaboration between different disciplines across boundaries:

-networking capacities

-computing facilities

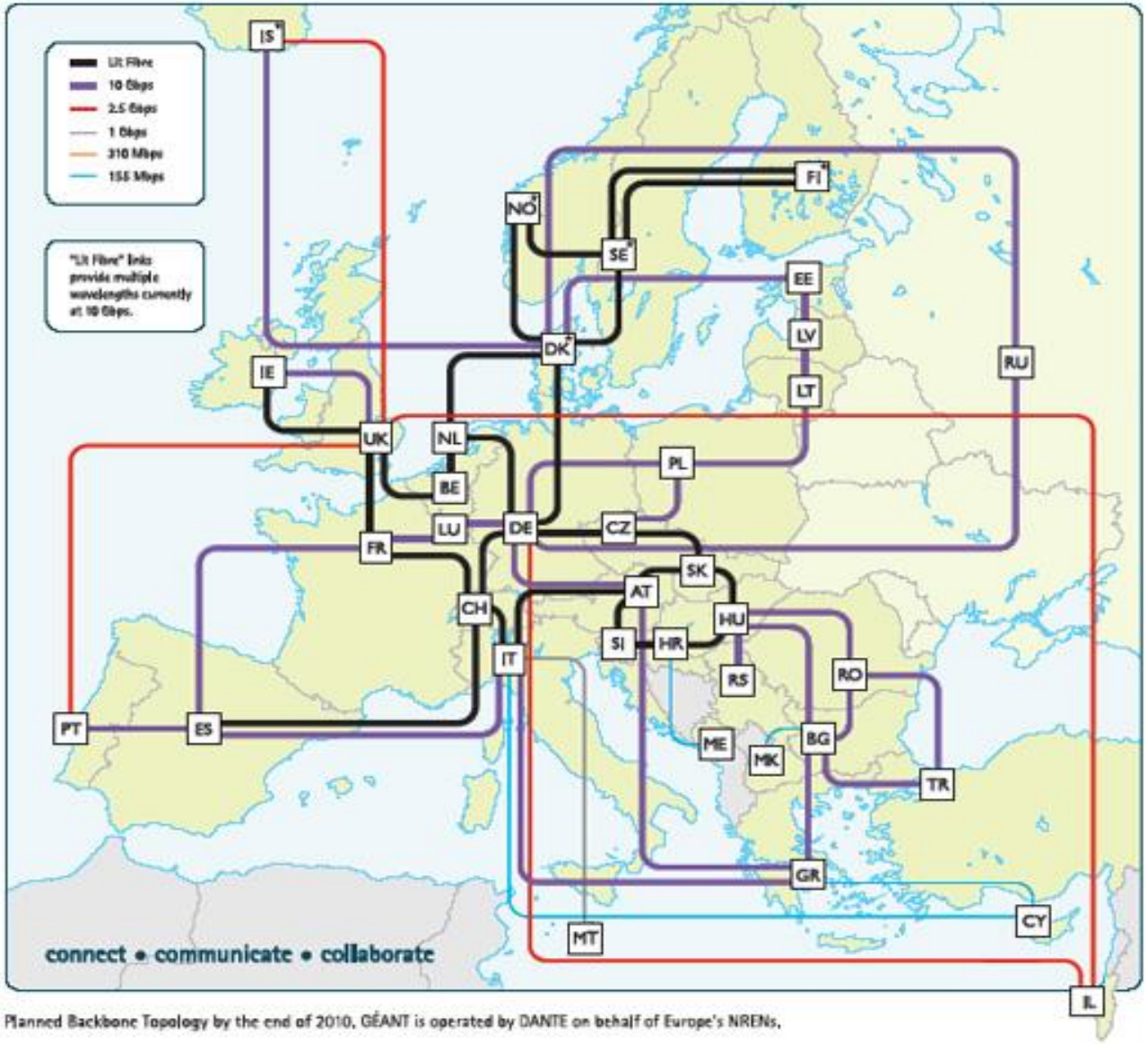
-storage

-sharing instruments

-set up of virtual research communities.

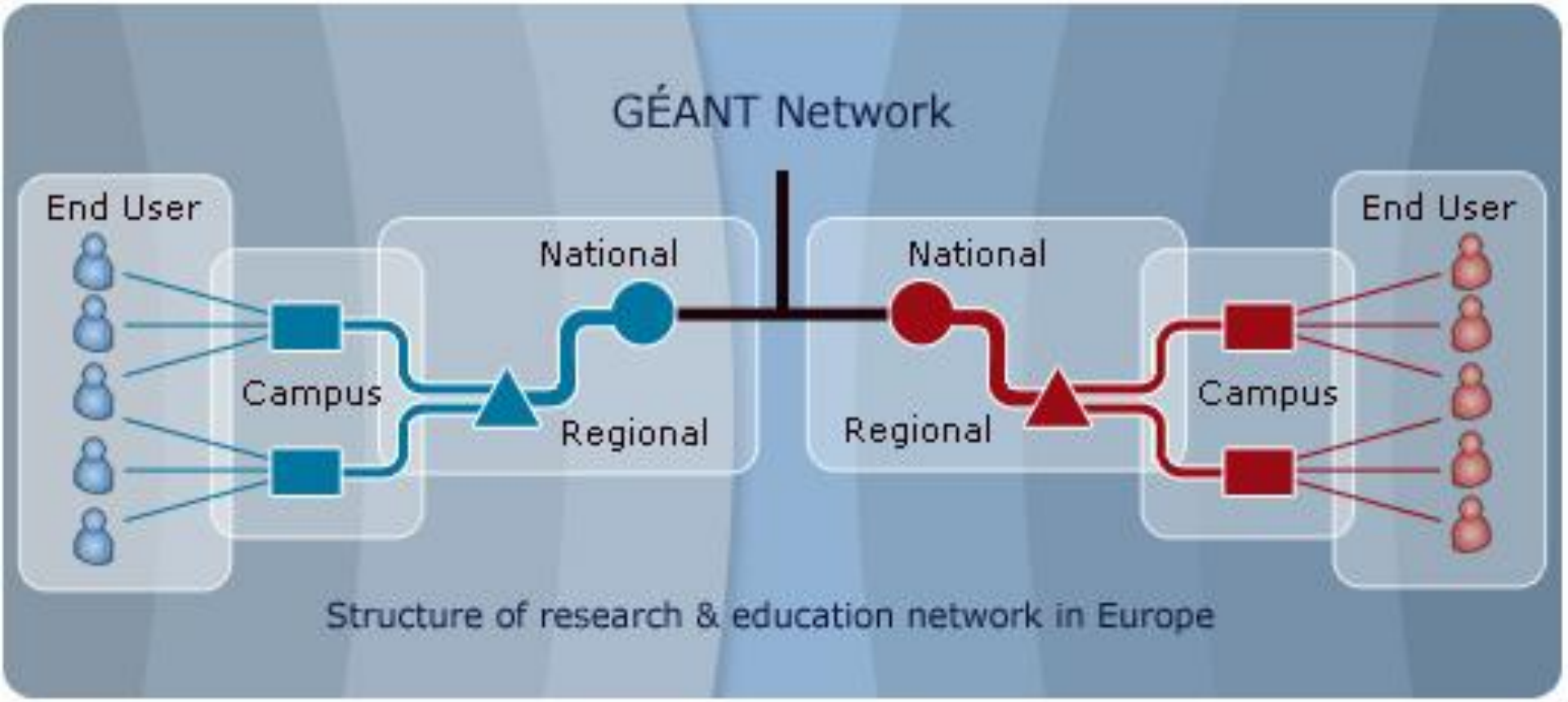
GEANT: an example of networking eInfrastructure

Network Topology

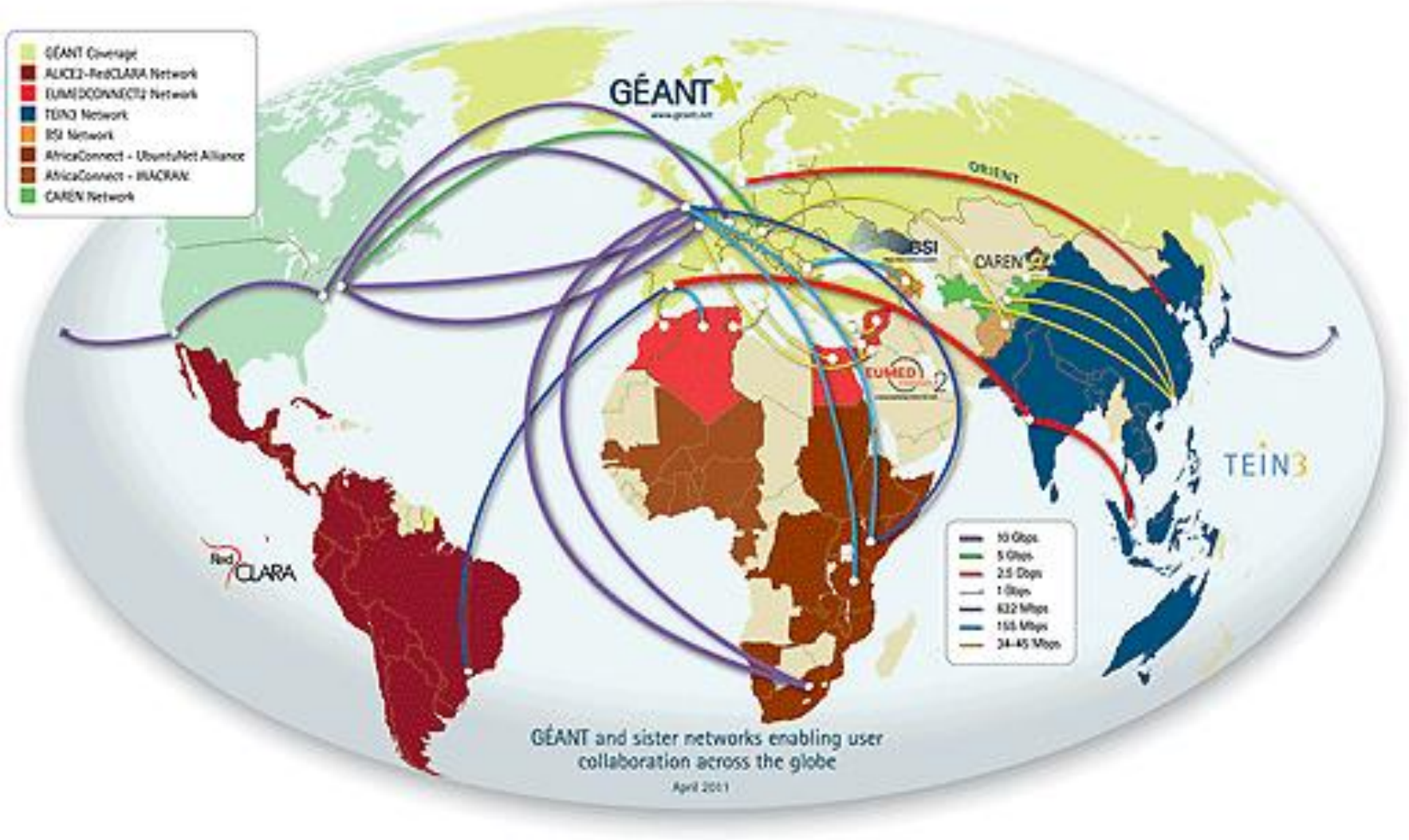


Planned Backbone Topology by the end of 2010. GÉANT is operated by DANTE on behalf of Europe's NRENs.

From local e-Infrastructures...



To Global e-Infrastructures....



2. Types and its evolution

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Each type of e-Infrastructure responds to the needs of a kind of community

ARPANET, 70s

Type: computer network infrastructure

Community: computer scientists

Applications: telnet, FTP, mail,...

NSFNet, 90s

Type: data intensive infrastructure

Community: natural scientists (physicists, biologists,...)

Applications: Supercomputing,....GRIDs

3. How about the e-Infrastructure for eCulture?

Internet 2,
Arts and Humanities Initiative at UCAID. Seattle 1998

Live performing arts: HD interactive media.

i2cat Foundation

Generalitat de Catalunya
Departament de la Presidència
Secretaria de Telecomunicacions i Societat de la Informació

UPC

Catalunya Innovació
www.cidem.com

UNIVERSITAT POMPEU FABRA

Universitat Ramon Llull

CatSalut
Servei Català de la Salut

abertis telecom

ALCATEL

Al-Pi
uni2 grupo france telecom

Generalitat de Catalunya
Centre de Telecomunicacions i Tecnologies de la Informació

vodafone

CISCO SYSTEMS

FUJITSU

CROMOSOMA

ccrtv interactiva

MEDIA pro

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- The board is composed by 4 public institutions, 3 universities
- and 9 private companies from the telecommunications and media sector.

Open Opera (2001)

DRAC 3000 TVC

CINESA Diagonal

Liceu Opera House

HDSDI

HDSDI (1,5 Gbps)

SDI

Media Gateway

MPEG2 (10 Mbps)

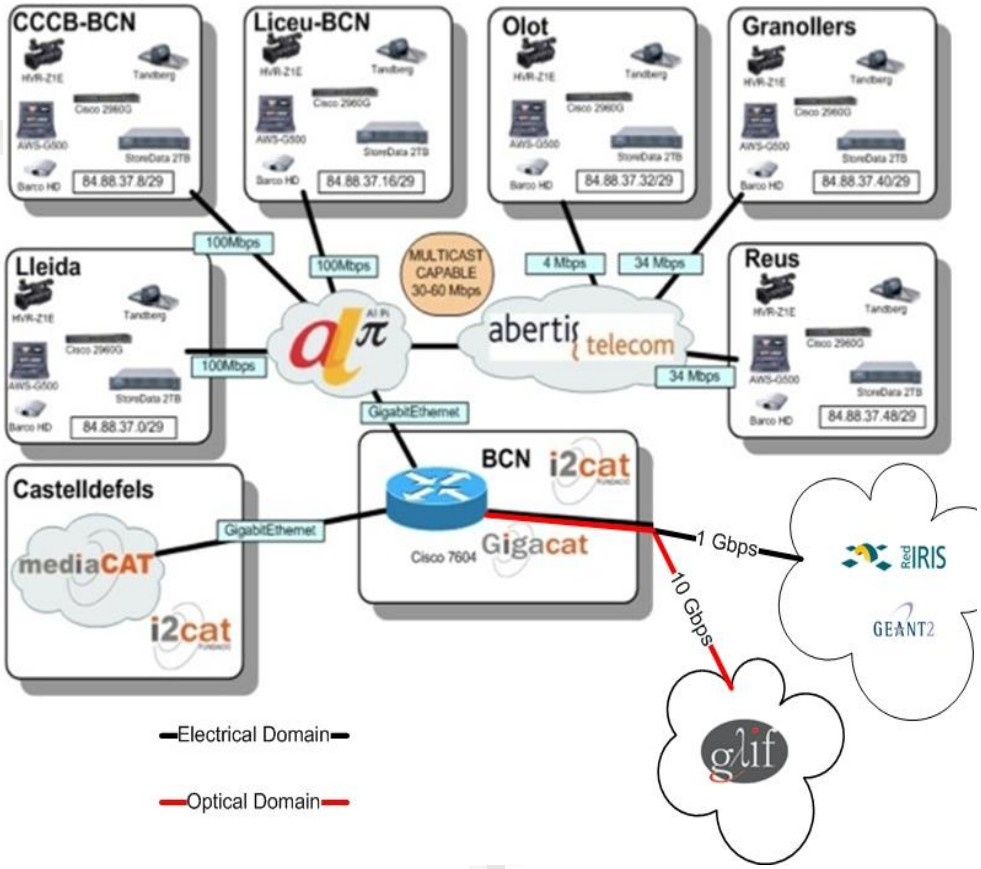
i2CAT

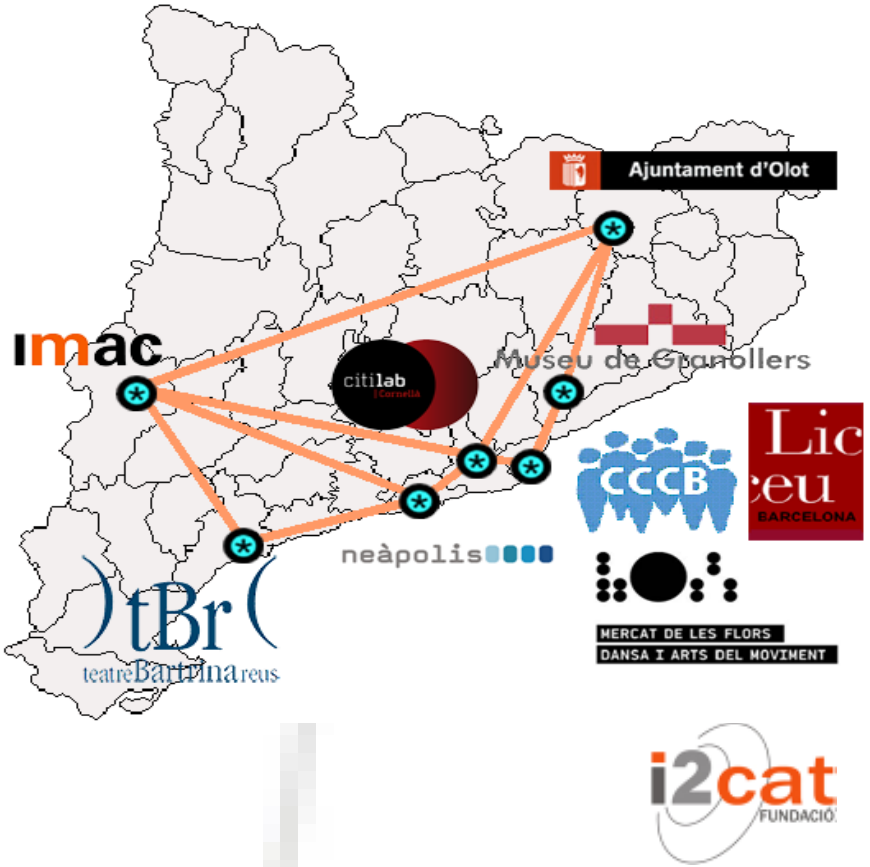
IP Multicast

UNIVERSITIES (UPC, U

Anella Cultural (Cultural Ring)

- It aims to build a robust infrastructure for eCulture in Catalonia, offering to the cultural community composed by different cities the chance to be connected by means of a experimental media network to share live cultural events.





Networking infrastructure

Gran Teatre del Liceu

Teatre Bartrina - Reus

Teatre Principal - Olot

Teatre Monumental - Mataró

Teatre de l'Escorxador - Lleida

- **IP network, from 5Mbps to 1Gbps symmetrics**

Media interactive infrastructure

- 2 portable PCs
- 1 audio card
- 1 HD projector
- Power amplifier
- Audio system.
- Audio mixer.
- Sony Anycast station

Content Shared Infrastructure

Poetry festivals

Guided tours

Master Class

Workshops

Courses

Conferences

Artistic performances

“Difussion is where technology offers major opportunities to the opera in the XXI century” J. Matabosch.

Metamembrana 2008, Exploring new art formats

http://anillacultural.net/

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AnillaCultural
LATINOAMÉRICA-EUROPA

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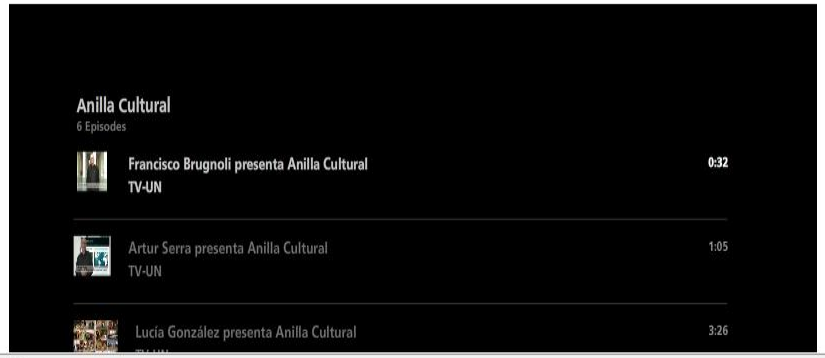

Transfiriendo datos desde gw023.lphbs.com...

How about cultural heritage e-Infrastructure?

HD Gaudi, 2002

First compressed HD live transmissió between Europa-USA over Internet at 270 mbps by i2CAT-Research Channel

VISIONAIR

VISIONAIR News

Home

How to access

Events

Installations

Scientific Visualisation

Ultra High Definition

Virtual Reality

Collaborative environments

The first Open Forum of VISIONAIR was opened on 2011, march the 10th

organisation information

The Visionair Kickoff meeting and first Open-Forum were organised in Grenoble (France) from March the 9th to 11th 2011 About 120 persons attended the first Open-Forum. It was the first public opportunity to present the ressources belonging to the infrastructure.

What VISIONAIR stand for ?

VISIONAIR is acronym for "VISION Advanced Infrastructure for Research"

Trans National access

Visionair will open a call to project in 2011. External researcher will be welcome to access and use facilities when projects will be elected respect to scientific interest. Travel* and hosting* is granted by the infrastructure.

** Max fees defined by the*

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Kaist: Digital Cultural Reconstruction and Games

http://www.youtube.com/watch?v=_ieEWCX_g9s

The Lost Sound Orchestra: Performing Arts of Cultural Heritage

http://www.youtube.com/watch?v=EKgChmuXSVw

Citizens and the digitalization of cultural heritage

http://www.fotorally.eu/

Fotorally.eu

European Photo Albums

English Català Español Suomi Nederlands

Fotorally conecta álbumes fotográficos europeos. Encuentra una foto interesante, explora las fotos conectadas y participa en Fotorally con tus propias fotografías.

GENTE LUGARES HISTORIA

BUSCAR FOTO | PUBLICAR FOTO

Vilanova i la Geltrú

18/10/2010 15:39

Hoy, 18.10.2010, comienzan las clases para profesores de secundaria para la inclusión de ... Leer el artículo completo

En Barcelona

18/10/2010 15:34

El 15.10.2010 ha finalizado el Concurso Fotorally de Fotografia para Amateurs.

Seniorlab, helping the digitalization of cultural heritage

http://www.citilabpro.eu/seniorlab/blog/2011/06/09/120-anys-duna-escola-colonia-guell-2/

- Contacte
- El projecte
- L'equip
  - Artur Serra
  - Carlos Bezos
  - Dolors Solano
  - Rosa Casanovas

Aportacions recents

- 120 ANYS D'UNA ESCOLA – COLÒNIA GÜELL
- FESTA DE LA CIRERA A SANTA COLOMA DE CERVELLÓ
- LA CÀPSULA DEL TEMPS
- DONES GRANS ENREDADES
- LA PUERTA DE MI CASA – REFLEXIONS

jun 09 2011

120 ANYS D'UNA ESCOLA - COLÒNIA GÜELL

Escola — Add comments

Tots coneixeu a Genoveva, també heu vist les seves presentacions realitzades sobre la Colònia Güell, el proper dimarts ens torna a sorprendre amb la presentació del treball que està realitzant sobre un lloc d'allò més emblemàtic: L'escola de la Colònia.

Coneixement

Temàtiques

- Articles
- Dones
- Dones Corn
- Escola
- Etnografia
- Formació
- General
- Premi
- Projectes
- Senior TIC
- SeniorLab
- Uncategoriz

Núvol

can suris corne Dones Esco

Utilitats

ES 13:24 10/06/2011

http://www.wikilovesmonuments.cat/

WIKI loves monuments

Wiki Loves Monuments 2011

Wiki Loves Monuments 2011 Europa és un concurs de fotografia d'abast europeu amb l'objectiu de fotografiar i donar a conèixer tots els monuments del patrimoni cultural d'Europa.

L'any passat es va iniciar als Països Baixos i, a causa de l'èxit assolit, aquest any s'estén el concurs per Europa. Tindrà lloc en diversos països europeus de forma federativa, amb una fase local i una de paneuropea. Tothom està convidat a enviar-hi les seves fotos de monuments, durant el mes de setembre del 2011, amb una llicència de distribució lliure per al seu ús a la Viquipèdia. L'objectiu és donar una visió completa i única del patrimoni immobiliari cultural europeu amb la seva informació bàsica i gràfica.

Wiki Loves Monuments 2010

Amical Viquipèdia

VIQUIPÈDIA
L'enciclopèdia lliure

Terminado

Next step: Cultural heritage, performing arts communities and bits.

Thanks :-)

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