Anella Cultural, Cultural Ring:

Towards an Internet of cultures

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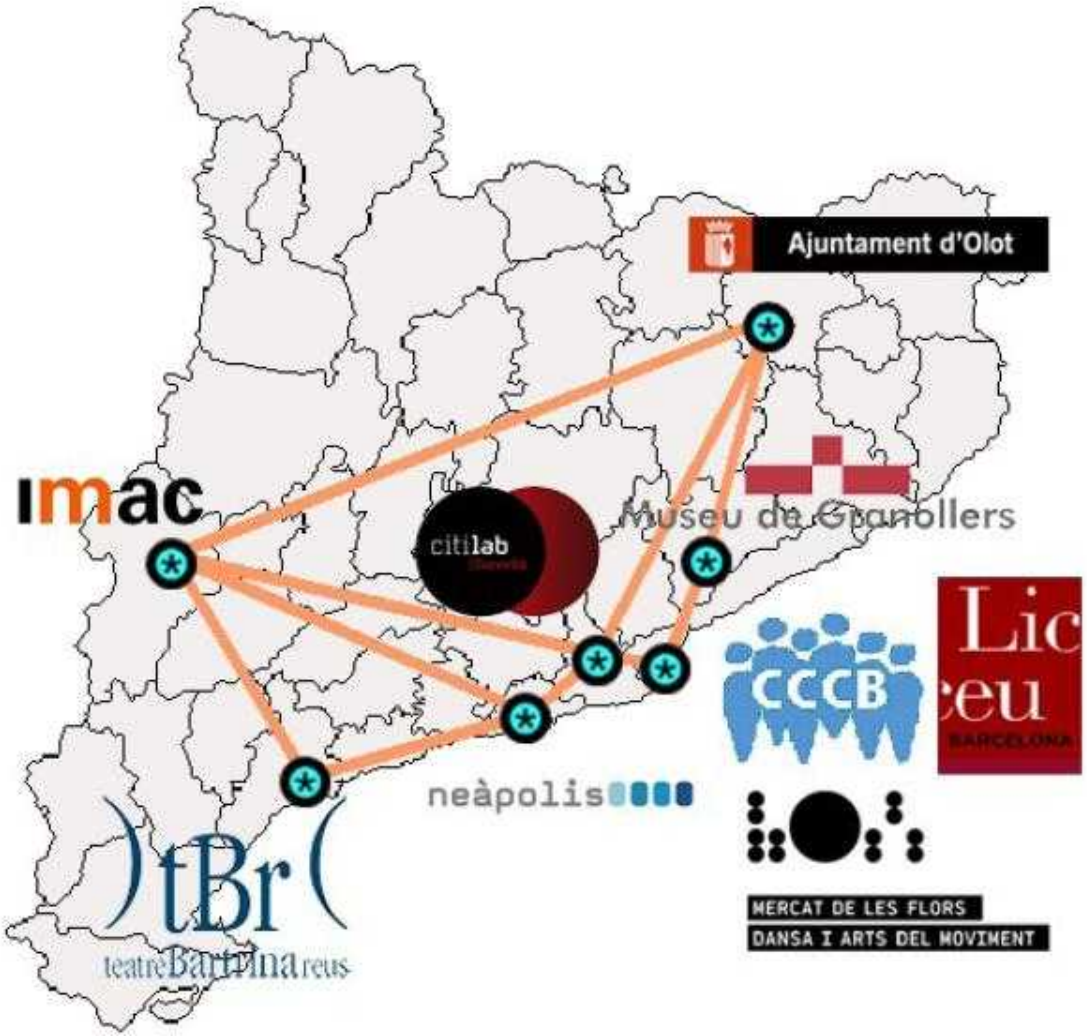
Barcelona, a Mediterranean city

A city of culture

The Cultural Ring project: an Internet for Arts and People



The project team:

CCCB

i2cat FUNDACIÓ

Transversal

Xarxa d'activitats culturals

In collaboration with

Gran Teatre del Liceu

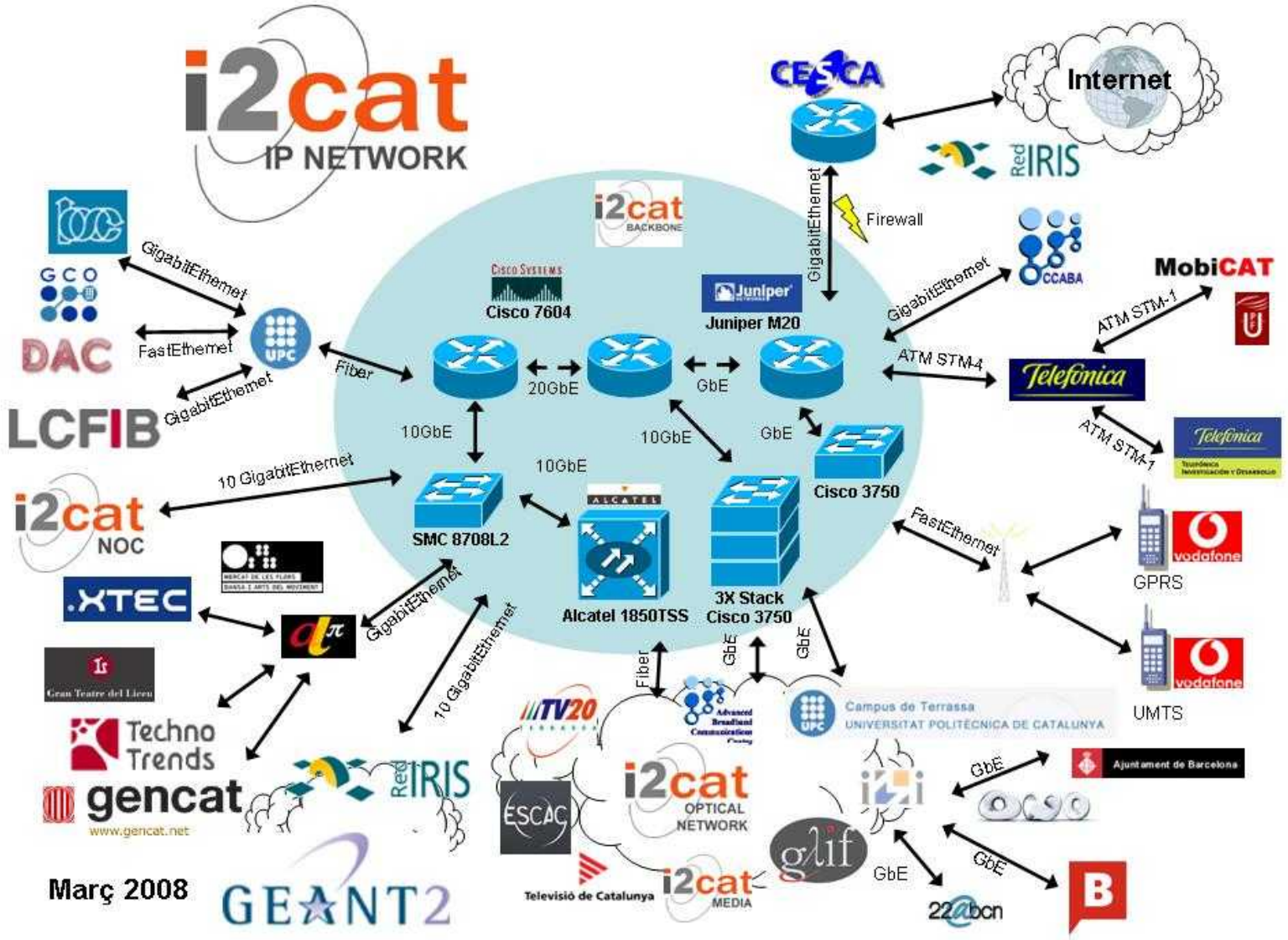
Al-Pi

abertis telecom

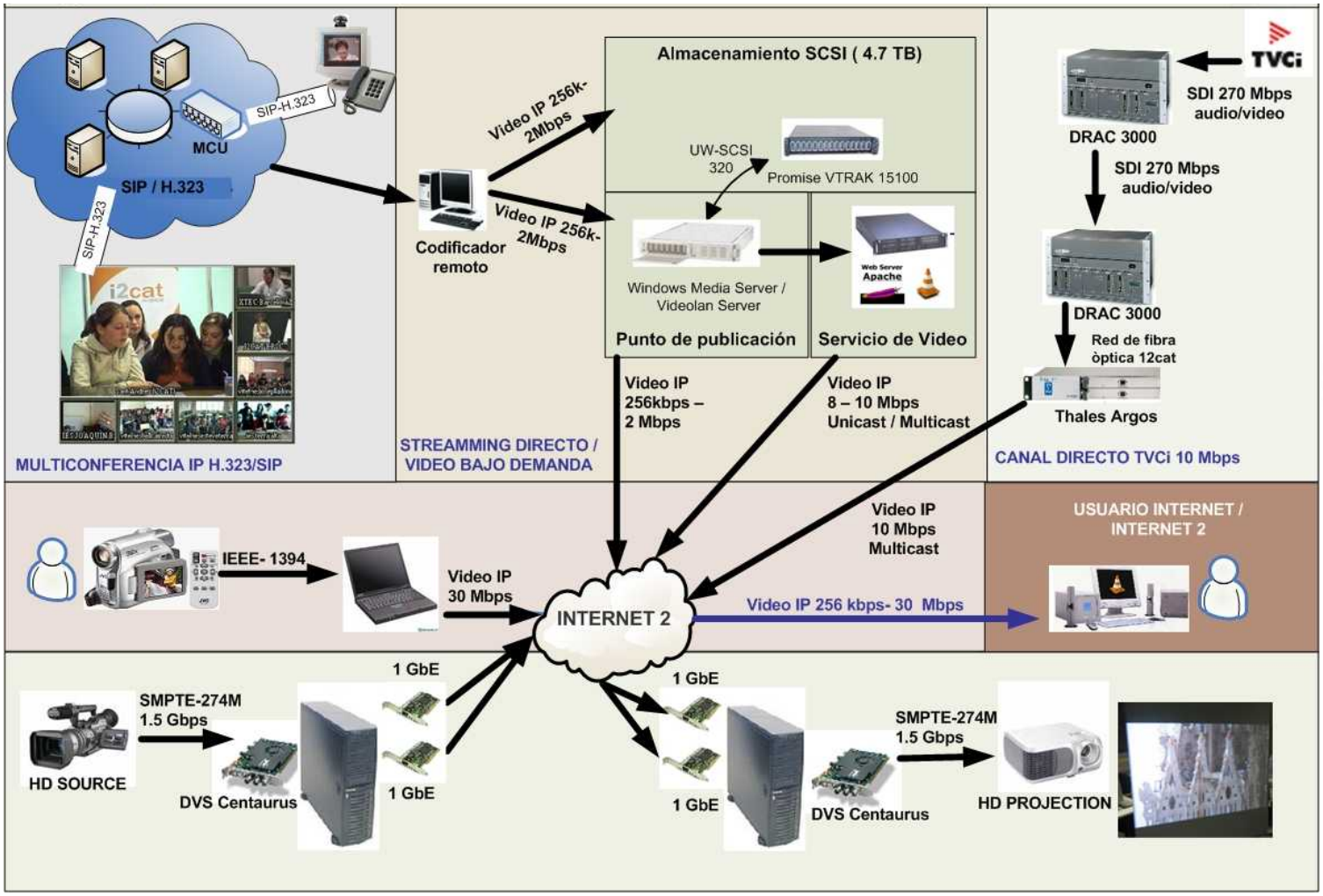
Generalitat de Catalunya

Ajuntament Barcelona

IP experimental Infrastructure



Multimedia Experimental Plataform



A big cultural institution

Open Opera (2001)

DRAC 3000 TVC

CINESA Diagonal

Liceu Opera House

HDSDI

HDSDI (1,5 Gbps)

SDI

Media Gateway

MPEG2 (10 Mbps)

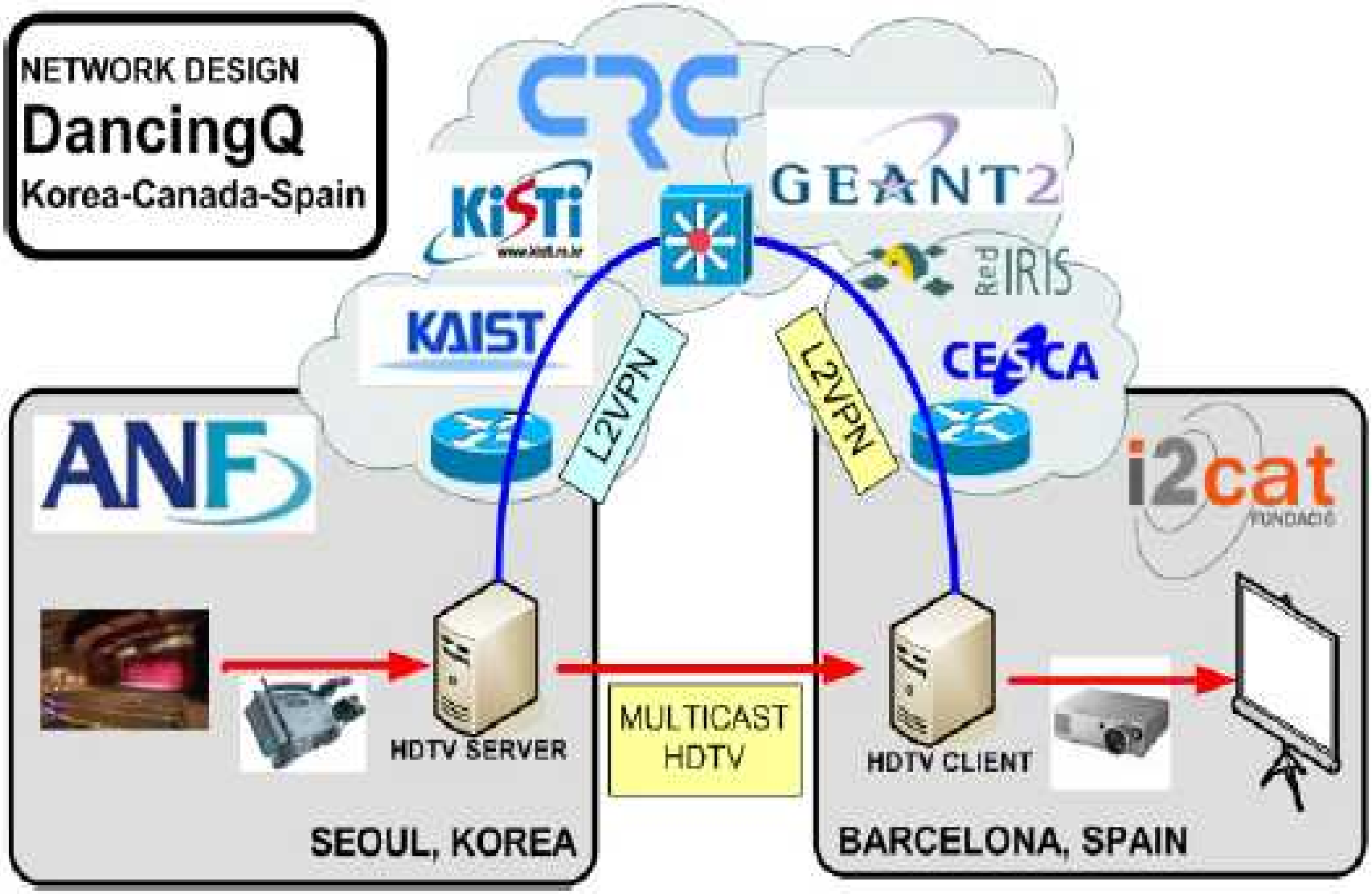
i2CAT

IP Multicast

UNIVERSITIES (UPC, UdG, UdL)

HD Gaudi, 2002

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


NETWORK DESIGN
DancingQ
Korea-Canada-Spain
CRC
KiSTi
GEANT2
RedIRIS
KAIST
CESCA
L2VPN
L2VPN
ANF
i2cat
HDTV SERVER
MULTICAST
HDTV
HDTV CLIENT
SEOUL, KOREA
BARCELONA, SPAIN

HD Dancing Q from Seoul to Mercat de les Flors in Barcelona. 2005

Cultural Ring/HPDMNet – ART FUTURA 2007

Music performance from Brazil

The real challenge:

How to arrive to
local cities and citizens?

La Xarxa Transversal: a network of local cities interested in sharing culture

1. Connecting metropolitan centers with local theatres

Gran Teatre del Liceu

Teatre Bartrina - Reus

Teatre Principal - Olot

Teatre Monumental - Mataró

Teatre de l'Escorxador - Lleida

- **IP network, 34 Mbps symetrics**

2. To equip auditoriums as audiovisual studios

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

3. Sharing cultural events

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.

Cultural Ring – Opera House Liceu Barcelona 2008

Opera (Aida & Electra)

Opera to the cities: first results

5 local theaters connected

3082 new spectators

5 operas from El Liceu

76% of occupancy

A major lesson:
Bi-directional flow between cultural centers.

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Evento inaugural de la Anilla

El evento inaugural de la Anilla Cultural Latinoamérica – Europa tendrá lugar el próximo 6 de noviembre. Los encuentros presenciales en São Paulo (Brasil) y en

How about cultural heritage and performing arts together?

e-Culture Activities in Korea

eCulture Workshop

19th APAN Meeting
2005.1.26.

Sanggyun Kim
(ANF Secretariat)

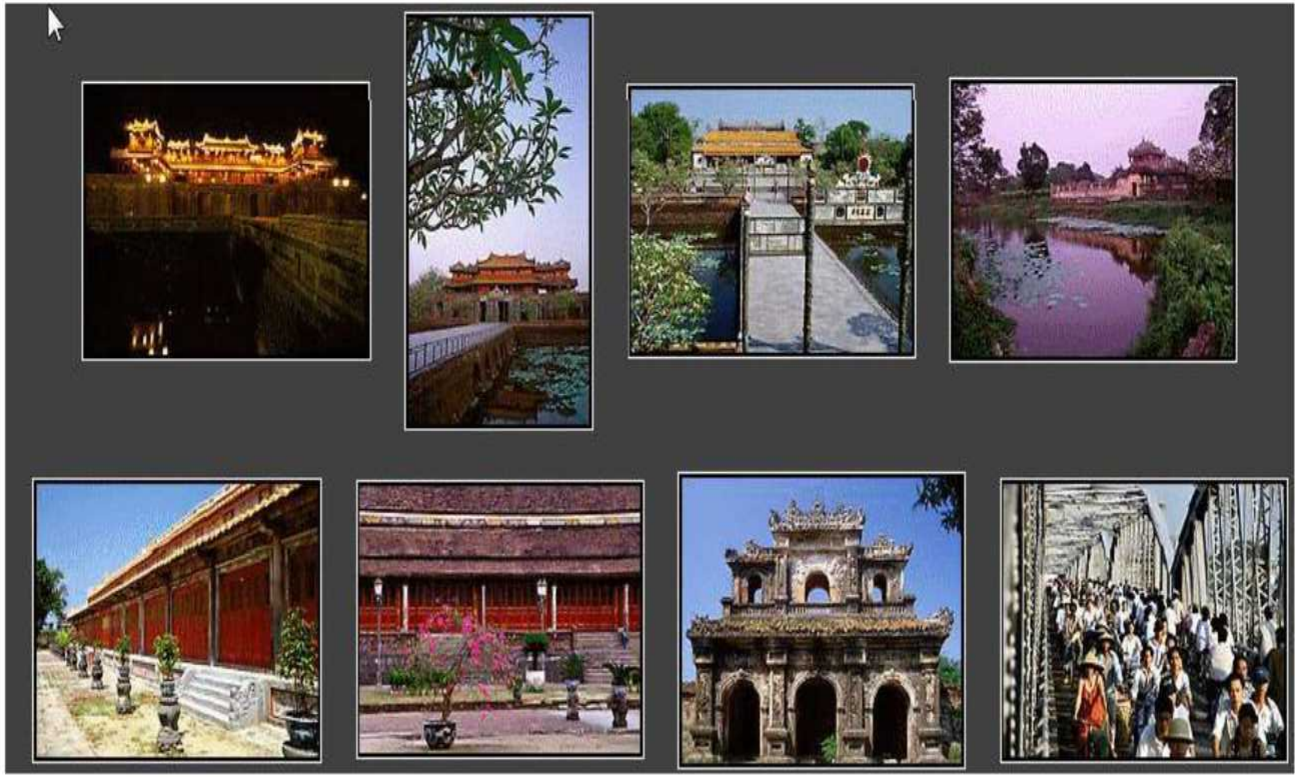
Dae Young Kim
(Chungnam Univ.)

Buddha on the Net

- Digital Heritage Collection
  - HDV scenes on 'Buddha's birthday' (May.2004)
  - Lotus lantern parade (over 100,000 light bulb)
  - VOD service (http://hdtv.nm.gist.ac.kr/vod/contents.html)

Vietnam Hue Project

- Hue city – capital city in nguyen dynasty(1802~1945). A lot of imperial complex



Kaist: Digital Cultural Reconstruction and Games

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

Blending Pansori and Flamenco

http://www.citilab.eu/node/3341

Two century-old arts learn to improvise together

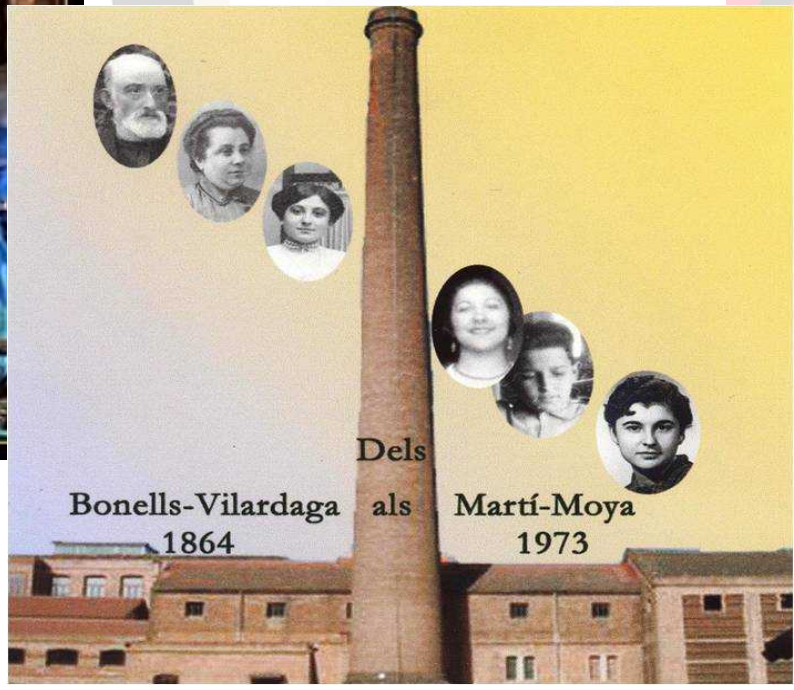
The audiovisual management of this "jam session" (musical improvisation) was done in Citilab's main set in order to find a musical point of contact between two cultures playing live from Cornellà and Korea over the Internet, thanks to the TEIN3 and GEANT networks interconnection.

citilab | Cornellà

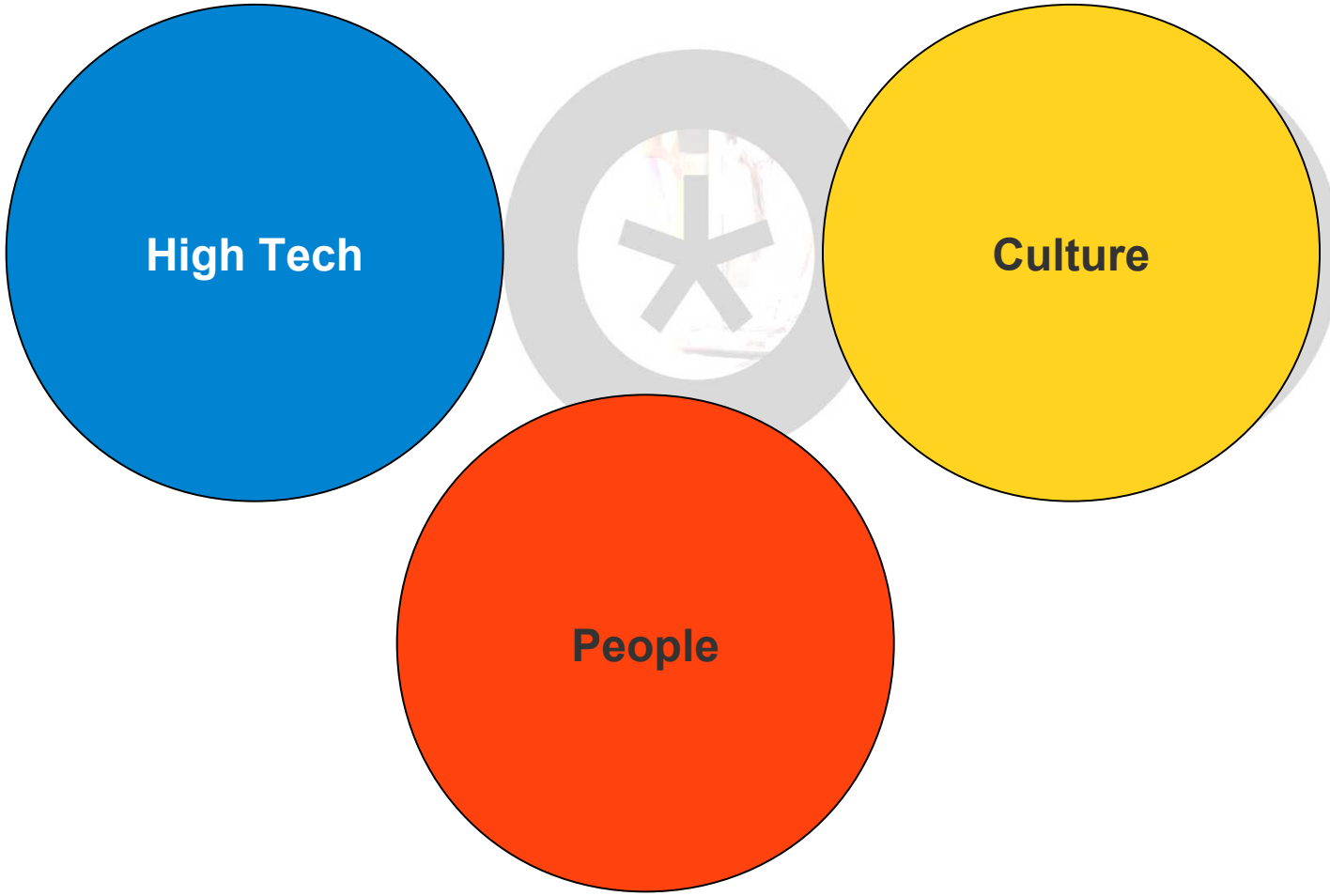
The collaboration was mutual: while the two Catalans played from Cornellà, a group of Korean musicians, directed by **Byunggon Kim**, *Daejeon Yeonjeong* Municipal Orchestra of Korea's leader, improvised pansori fragments. Later,

Colonia Güell, cultural heritage and a living lab

citilab
Cornellà



eCulture,
the future of Internet



Thanks!
Gracias
شكرا