



La experiencia catalana:
redes avanzadas, creatividad y visión.

Artur Serra
Fundació i2cat

Dia Virtual eCultura
5 diciembre 2012.
RedClara.

Internet 2, Arts and Humanities Initiatives at Universities 1998. Seattle



Live performing arts: HD interactive media.

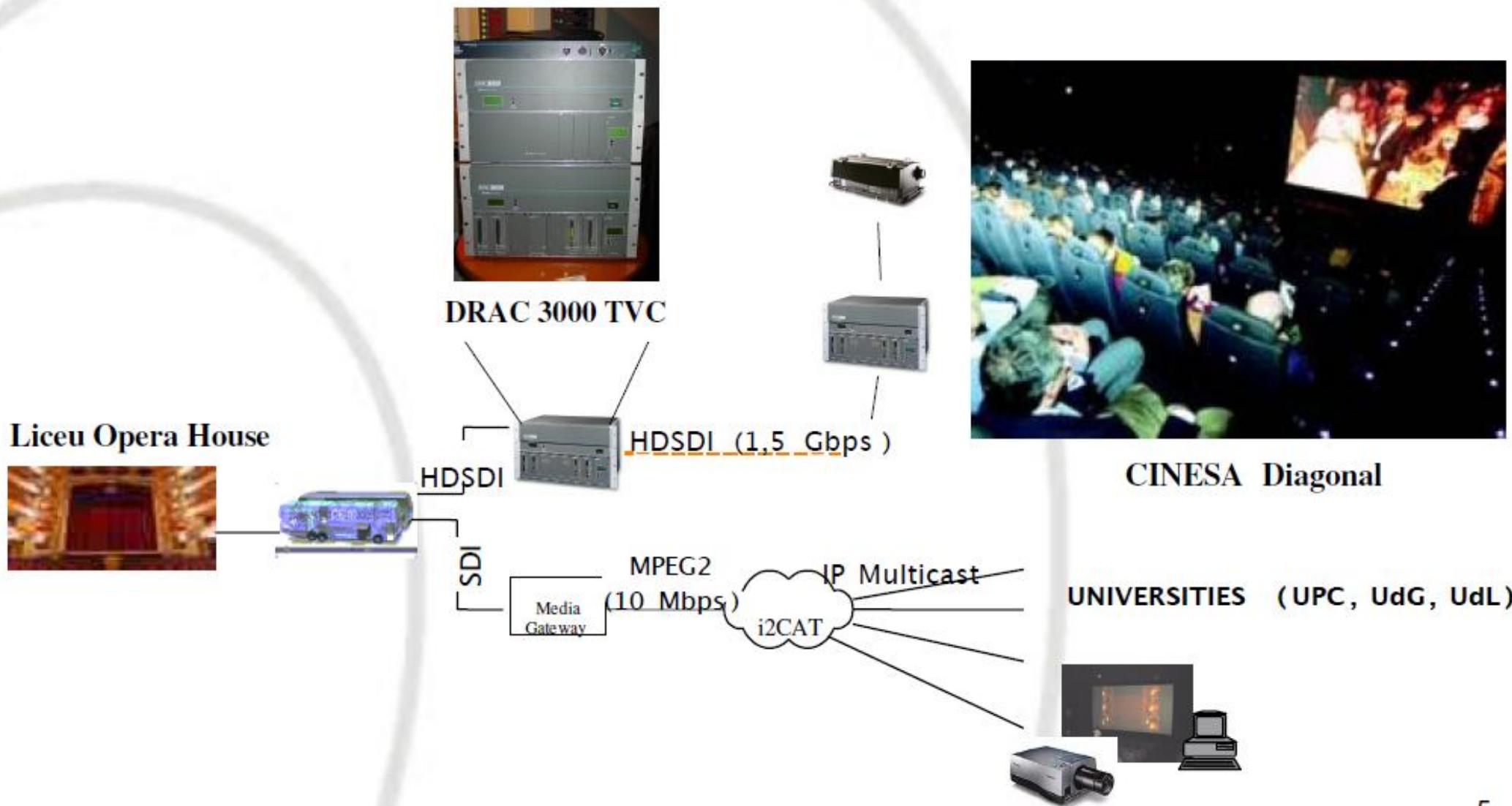


Internet,
una tecnologia para
la creatividad

The Internet evolution

- 1st. 1970s-80s The Internet of the computer scientists and technological people (email,ftp,telnet,...) (6 M personas)
- 2nd. 90s-2010s The Internet of scientists and literated people. (WWW, Grid, Blogs, Wikipedia...). (1000 M people)
- 3rd. 2010s-2030s The Internet of artists and vocal and visual communities. (HD, 3D, mobile, telepresence,...) (5.000 M people)

Open Opera (2001)



HD Gaudi, 2002

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



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



i2cat Foundation



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



UNIVERSITAT
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Universitat Ramon Llull

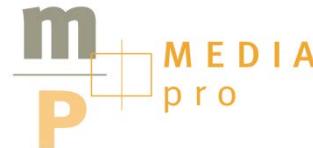


CatSalut

Servei Català
de la Salut

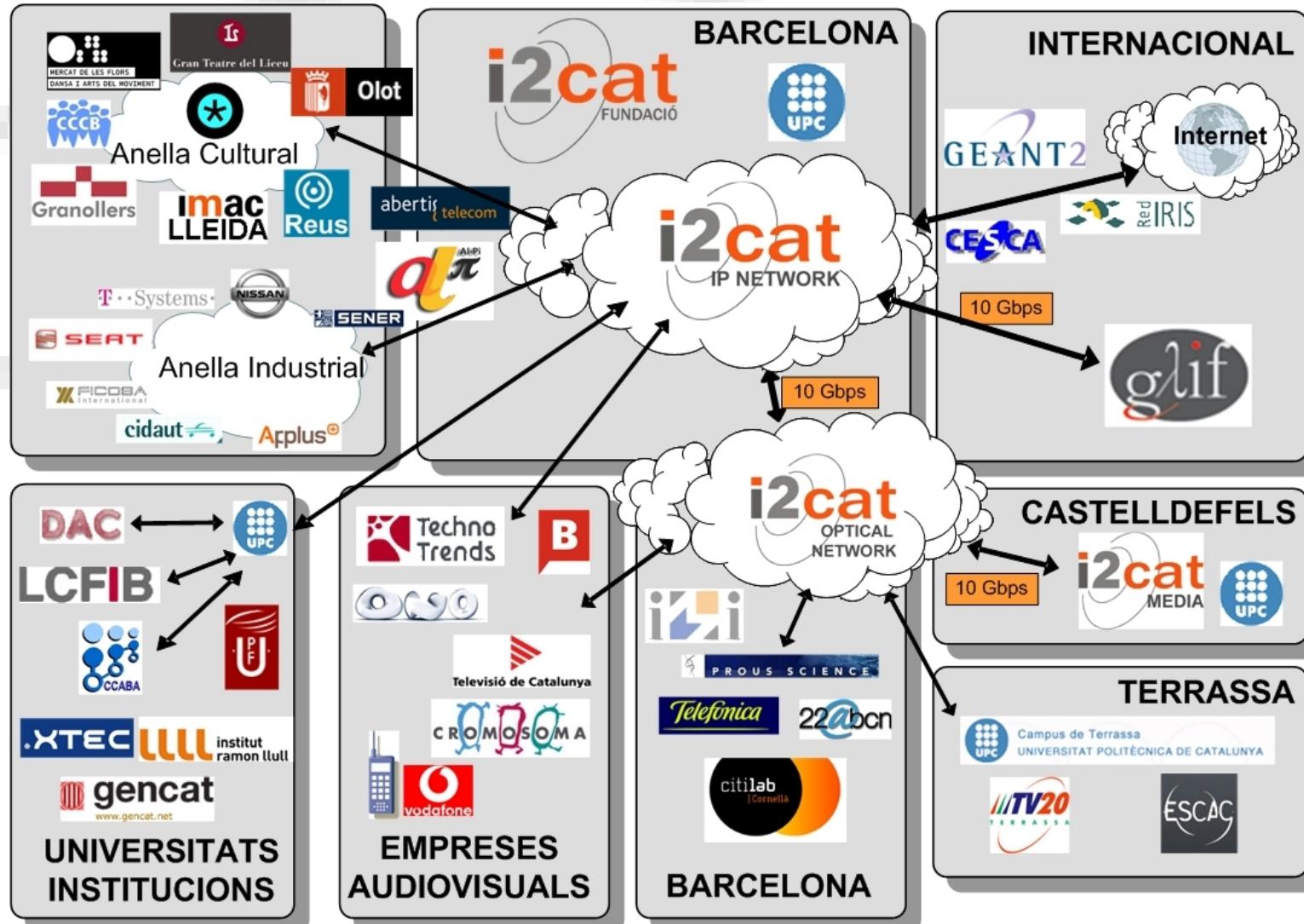


Generalitat de Catalunya
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i Tecnologies de la Informació

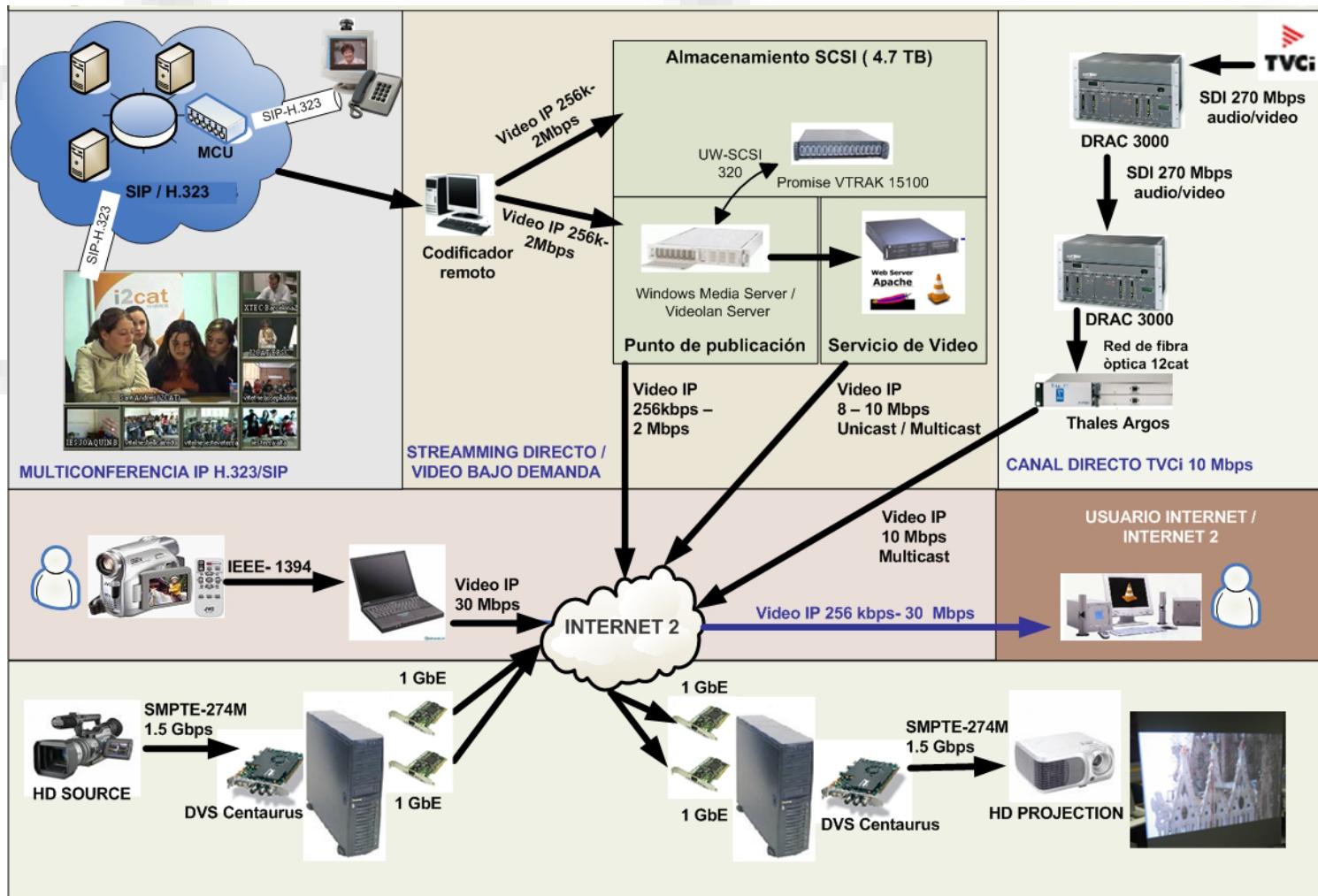


- The board is composed by 4 public institutions, 3 universities
- and 9 private companies from the telecommunications and media sector.

Connected institutions at the NOC



Multimedia Experimental Platform



**The Anella Cultural,
the Cultural Ring
(2006...)**

The team



Transversal

Xarxa d'activitats culturals



Sponsors



Gran Teatre
del Liceu



abertis telecom

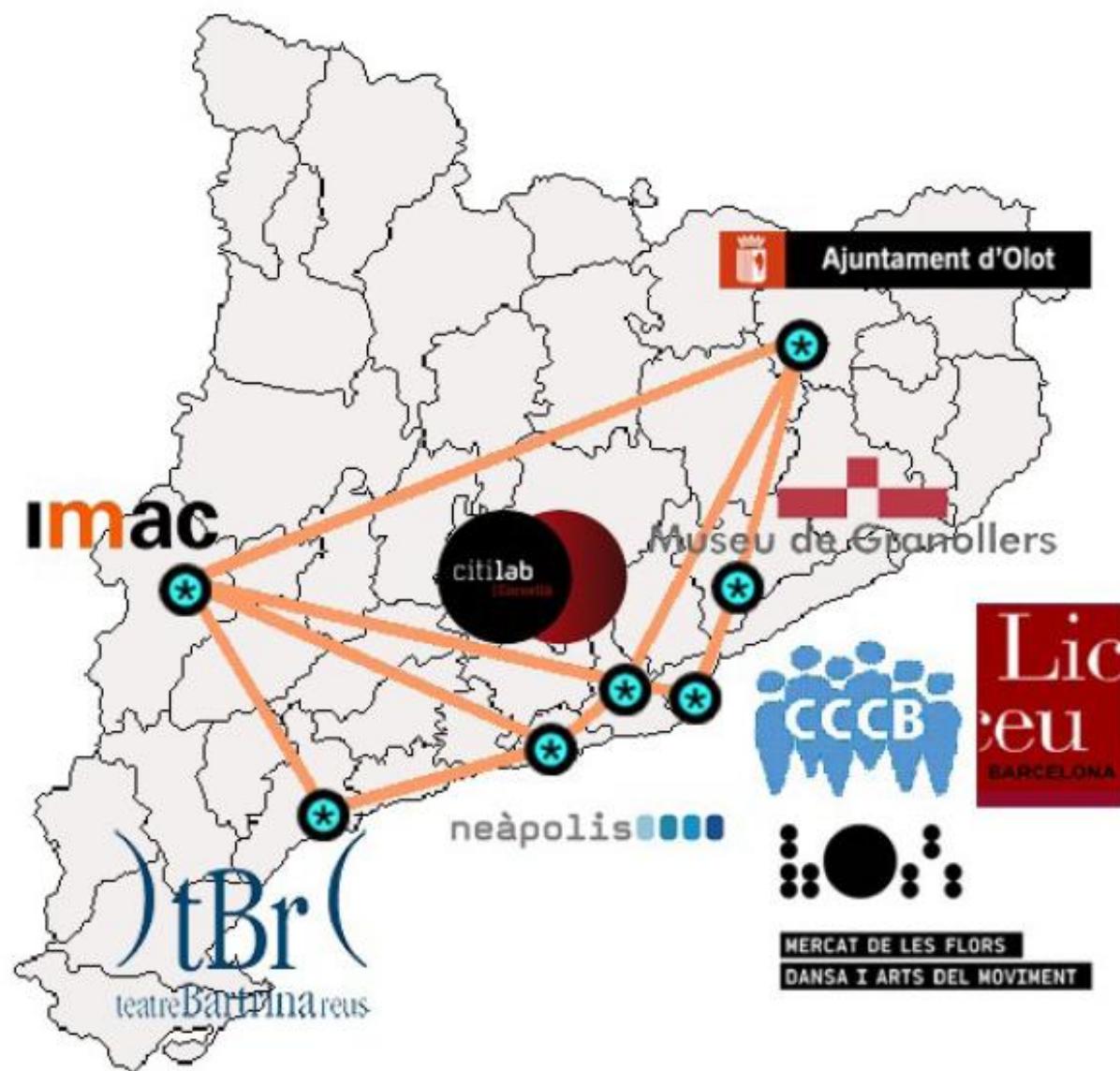


**Generalitat
de Catalunya**



Aj.Barcelona

La Anella Cultural The Cultural Ring



Internet architecture

Two basic characteristics of Internet since Arpanet:

- a) The end-to-end principle.
- b) The experimental and service open network.

Internet was design by research computer scientists that need a network for moving information. End to end, means computer scientist to computer scientist using a network.

Internet was design as an experiment and still remains as an open environment for experiments with the network and on the network.

From the testbed to
the **experimental**
service with the
cultural community...

La Xarxa Transversal: a network of cultural programmers in cities



1. Connecting cultural centers



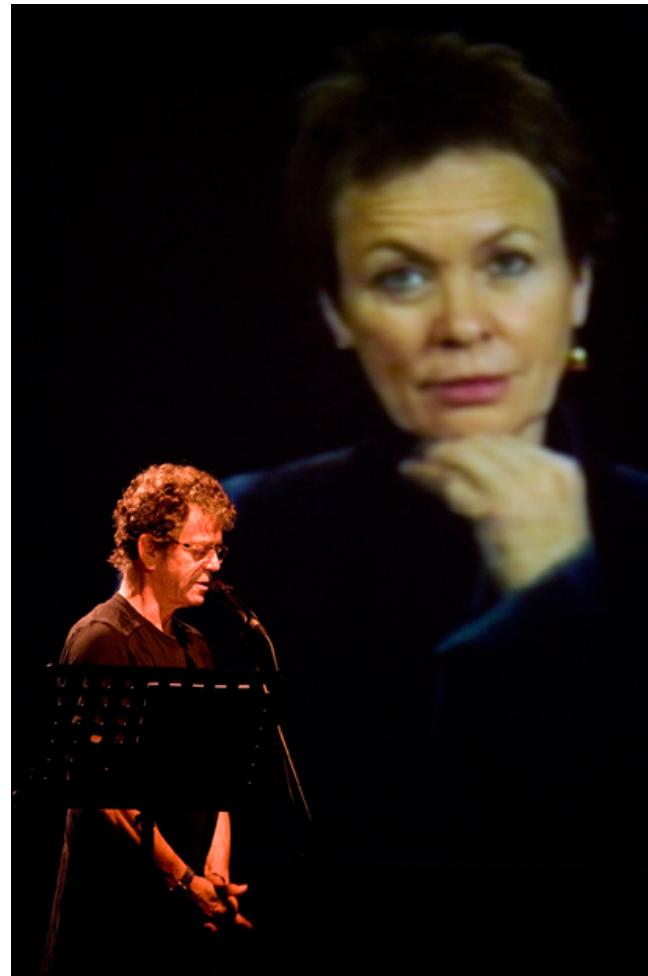
- IP network, from 5Mbps to 1Gbps symmetrics

2. Transforming into media 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



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

Cultural Ring – Apartheid Exhibition 2008

- Format: Exposition transmitted via I2 by Thuran (Barcelona soccer player)



Metamembrana 2008, Exploring new art formats



Marcel.Ií Antunez





MEDIATECA ANELLA CULTURAL

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SESSIÓ



VIDEO SOTA DEMANDA D'ACTIVITATS CULTURALS A CATALUNYA

[A la xarxa](#) Amb la consulta en xarxa podràs consultar el catàleg de vídeos de la Anella Cultural, i gaudir de molts continguts des de la teva casa

[Centres anella](#) Els Centres Anella són espais culturals connectats amb internet d'alta velocitat en els quals podràs gaudir de tots els vídeos de la Anella a la màxima qualitat

Els mes vists



Hipnotik 08 Sumary * 00:00:44

Recents



Palau St Jordi 3 minutes * 00:03:09

Resum Anella 2008

* 00:07:28

CCCB



Now 07

* 02:04:00

Anella



Hipnotik 08 Sumary

* 00:00:44

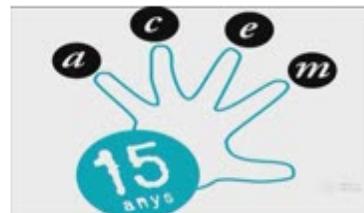
Lleida



Hipnotik Lleida

* 00:05:49

Poesia



3 minutes palau Sant Jordi * 00:03:09

The main lesson: sharing **multidirectional communication** between cultural centers

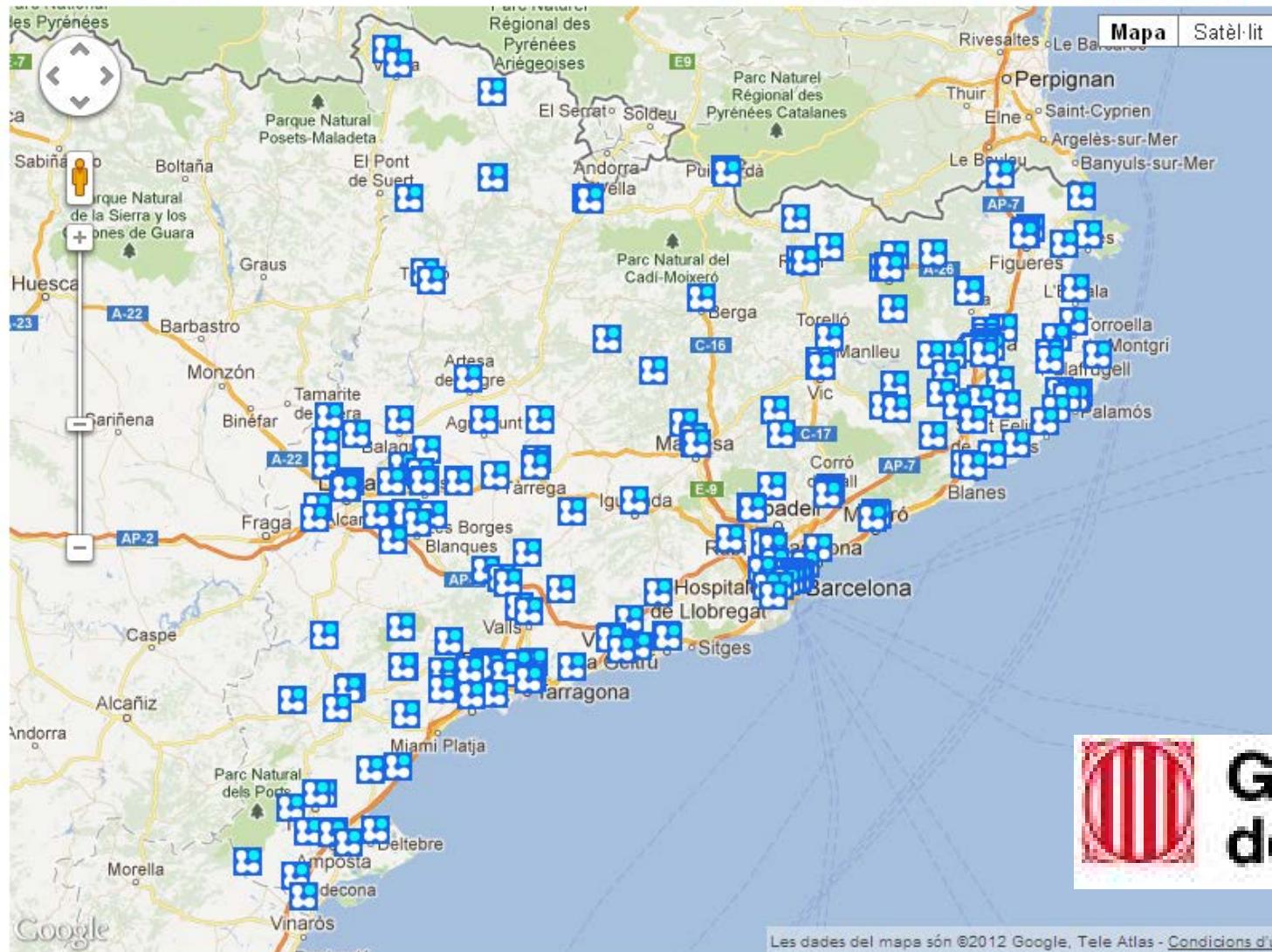


Cultural Ring 2012

Mapa de seus d'anella cultural

• Totes les Seus

• Seus que ja han participat en actes d'anella cultural



Theaters
Arts
centers
Museums
Libraries
Archives
Civic
Centers



Generalitat
de Catalunya

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Anilla Cultural Latinoamerica-Europa 2009...



Dirección de contenidos:



Dirección tecnológica



Opening RNs in LA and Europe for Arts and Media experiments



http://anillacultural.net/ softonic.com4 Customized

anilla cultural - Buscar con Google Anilla Cultural | Latinoamérica-Eur... +

Buscar Español Português English

AnillaCultural
LATINOAMÉRICA-EUROPA

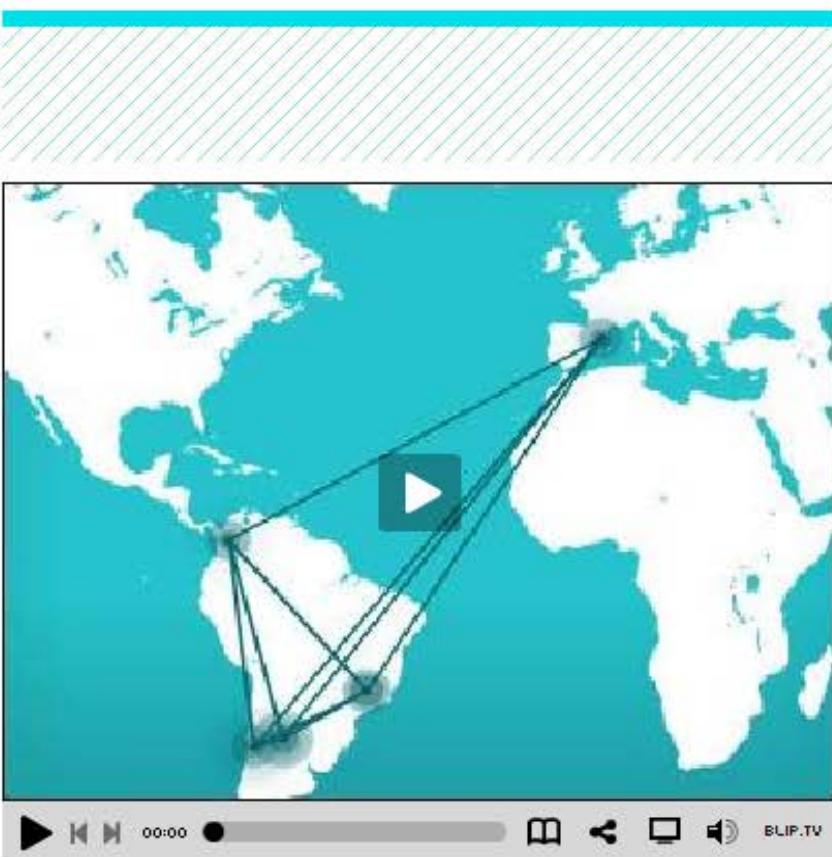
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Evento inaugural de la Anilla



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



Participants

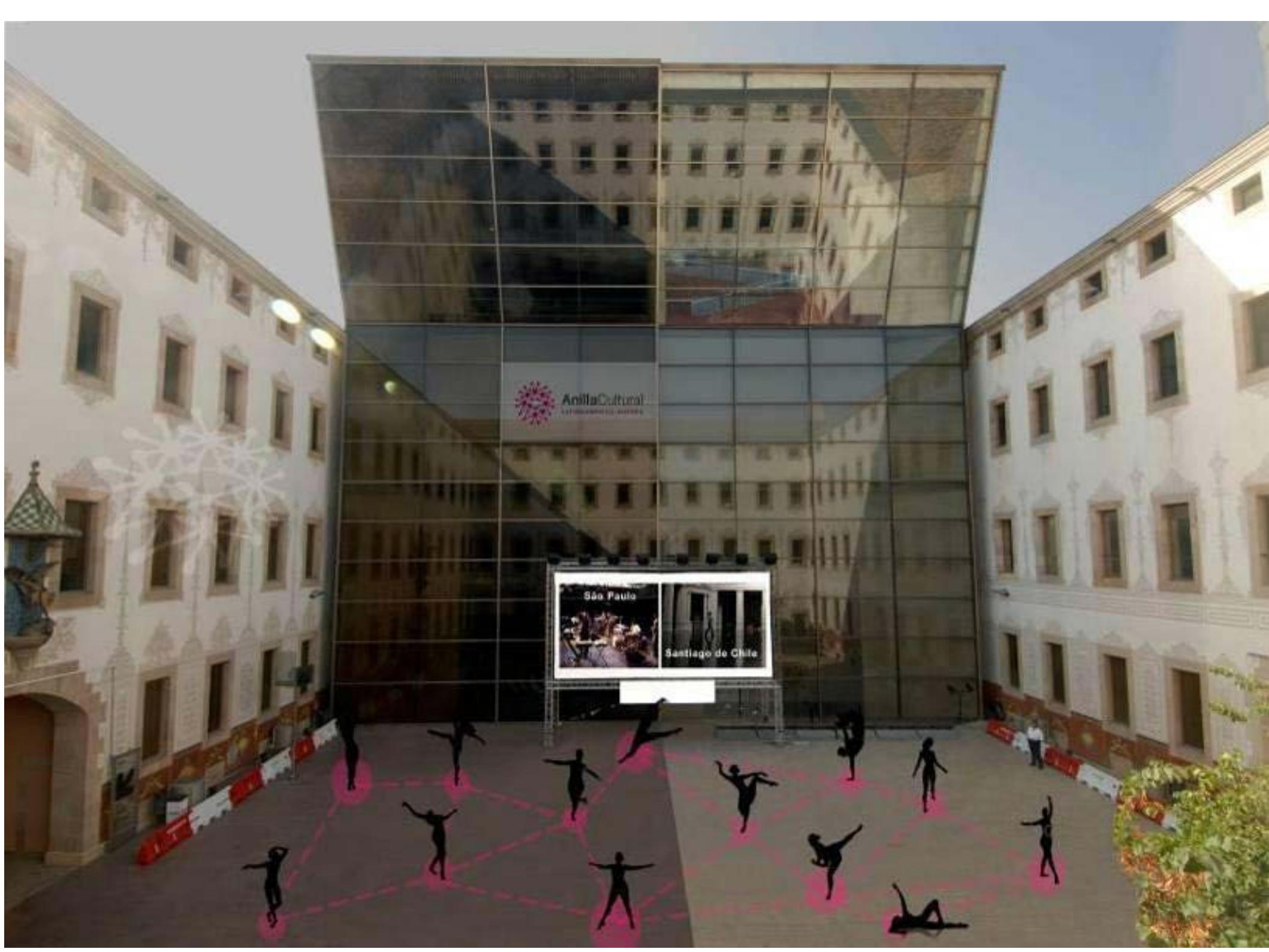


Centro Cultural São Paulo



Collaborating institutions







Centro Cultural Sao Paulo, Brasil



CCEC, Argentina



MdA, Colombia



MAC, Chile

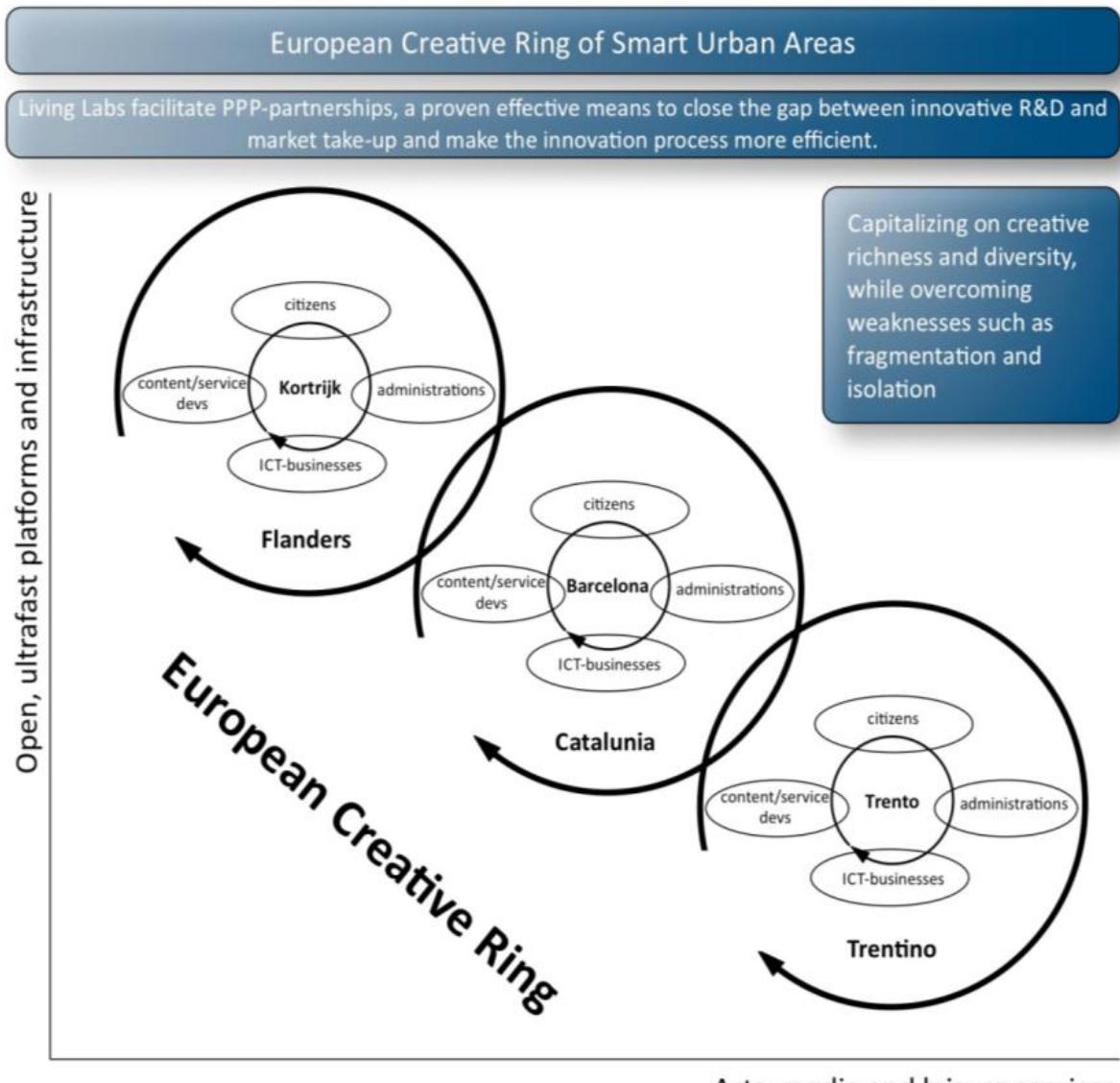


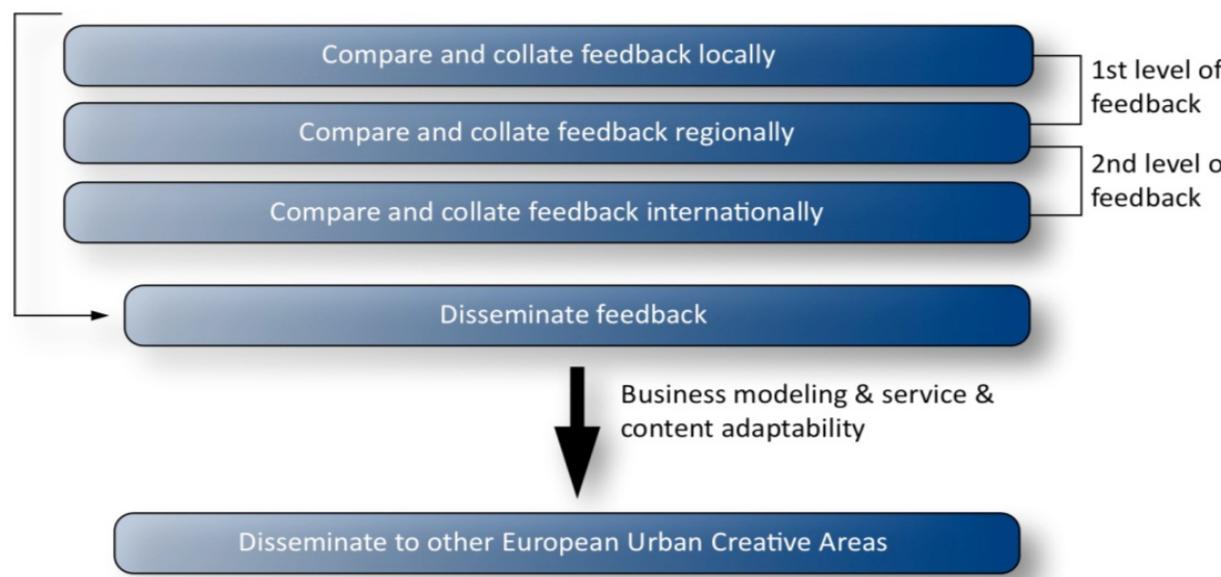
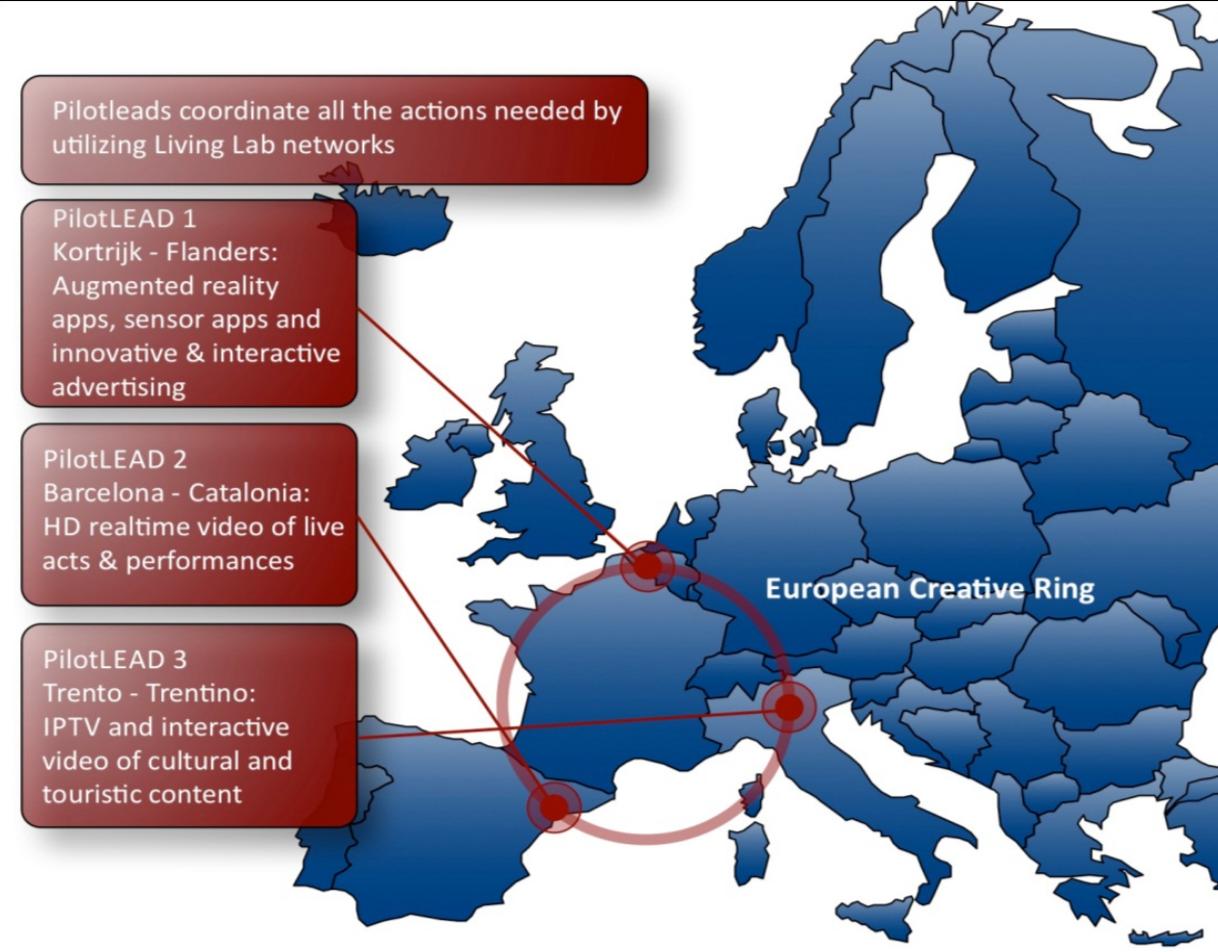
AnillaCultural
LATINOAMÉRICA-EUROPA

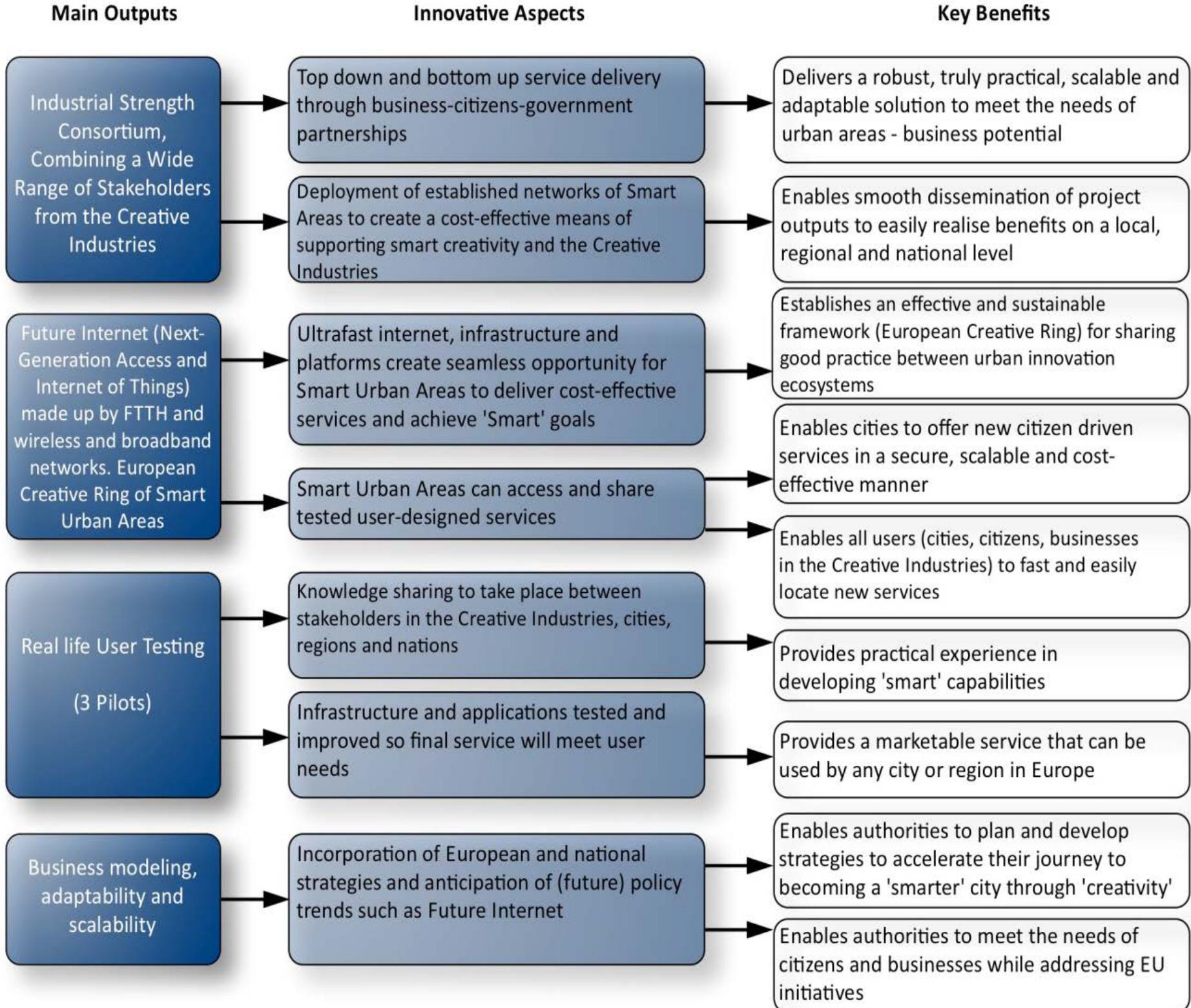
3. La Anilla Creativa Europea (SPECIFI project) 2013...

SPECIFI project (2013-2014)

Smart Platforms Enabling the Creative Industries for the Future Internet







FIBRE project,
Future Internet between
Europe and Brazil
(2012-2014)

Dança Telemàtica
Univ. Bahia
Prof. Ivani Santana
RNP



YouTube - Gilberto Gil fala de FUNK Part 2_Favela on Blast (extras) - Mozilla Firefox

Archivo Editar Ver Historial Marcadores Herramientas Ayuda

http://www.youtube.com/watch?v=WPMvF-QIY00&feature=related

hpn High Performance Networks Group YouTube YouTube - Gilberto Gil fala de FU... +

YouTube Buscar Explorar Subir Crear cuenta Acceder

Gilberto Gil fala de FUNK Part 2_Favela on Blast (extras)

leandrohbl 168 vídeos Suscribirse

So, the broad-band is a fundamental tool to create a powerfull exchange

7:07 / 7:26 360p

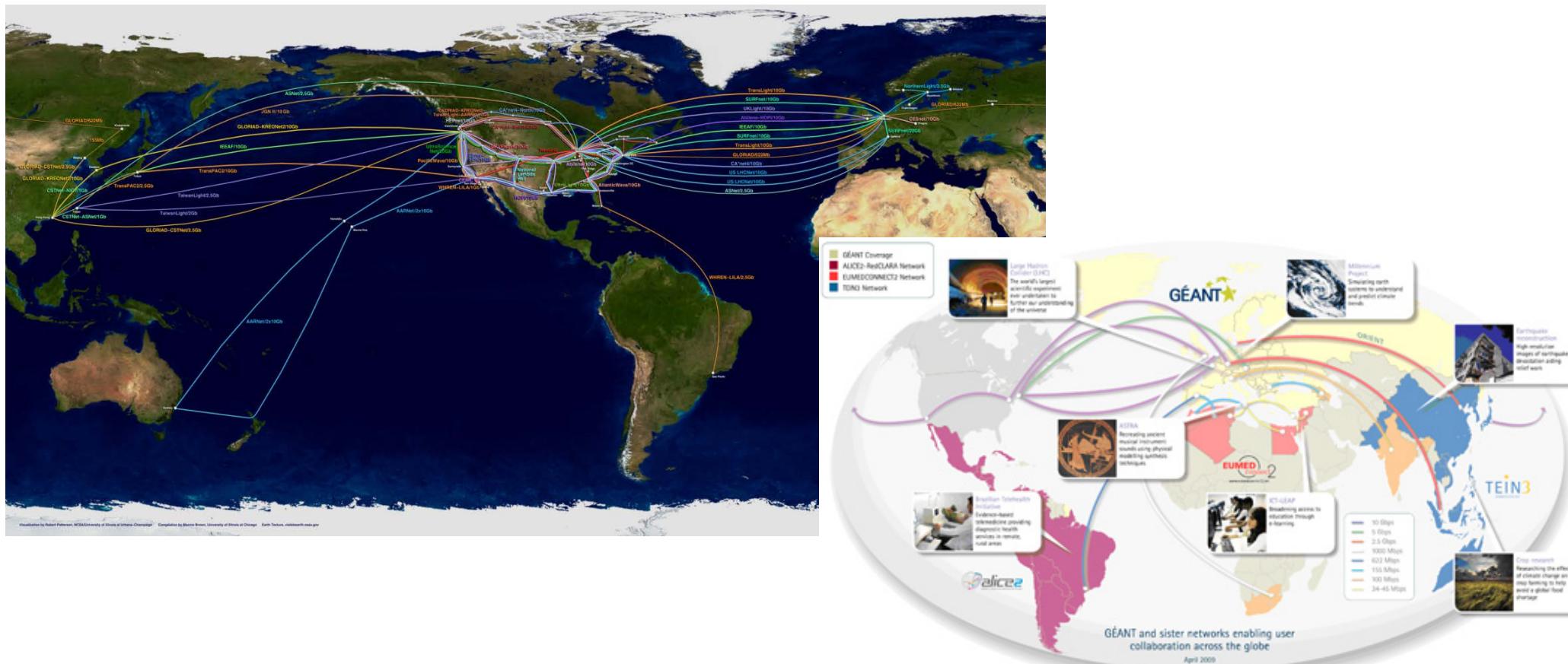
Sugerencias

- Favela On Blast Trailer 4 de Yaknoow 143020 Video destacado
- Gilberto Gil drinks FREE BEER 3.0 de fengergold 24030 reproducciones
- Gilberto Gil de fbicudo 248601 reproducciones
- Gilberto Gil Banda Larga de andruchapopov 97476 reproducciones
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- Gilberto Gil - Turn Your Lights Down Low de georgemacedo 76216 reproducciones

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Me gusta Añadir a Compartir <Insertar>

The Ring: Connecting arts and creative communities through Global Advanced Networks



Next step...
De la Anilla al Laboratorio

Digitalization of
traditional arts

e-Arts e-Culture

(Performing arts
Cultural heritage,...)

New forms of art and culture

Virtual
performances,
videogames, serious
games, gamification,
UGC...

De la Anella al Laboratori cultural

The Lab

The Web

The Internet

What open LIs is all about?

- Engaging citizens, researchers, companies, public administrations in user-driven innovation processes.
- Learning how to innovate?
- Creating PPPP structures that facilitates such kind of innovation in any area in any territory.
- Innovation is for everyone.

Citilab, primer laboratori ciutadà europeu, 2007



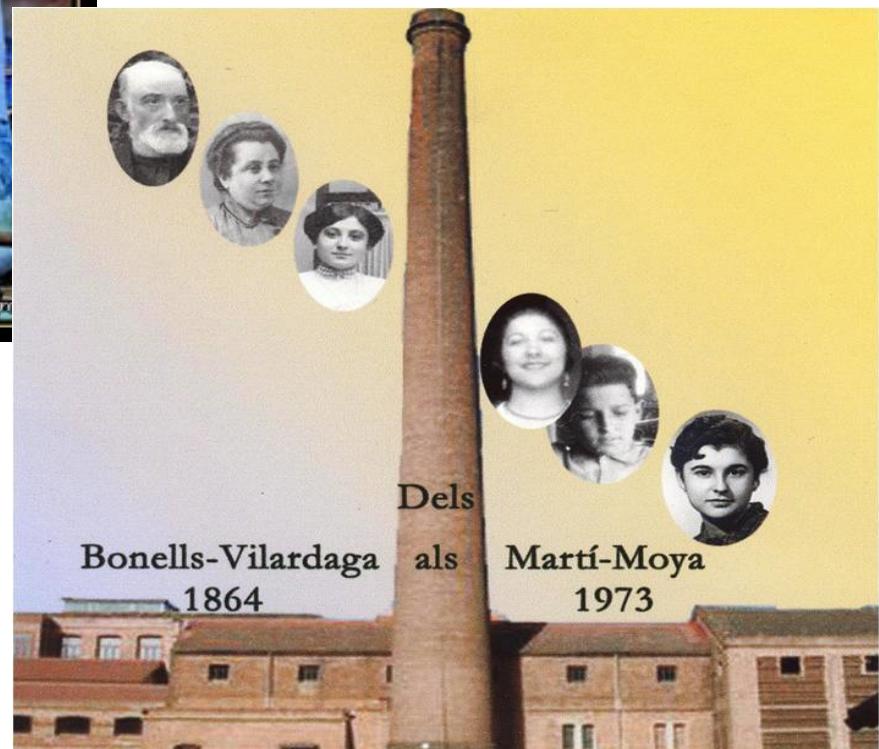
Tourism of knowledge

Colonia Güell,

Cultural heritage and people's memories



25% of the 46 new 6th wave ENoLL members reported activities in Culture, creative industries or Education



Barcelona The Lab: the challenge of becoming a creative and innovative city

Nov 30th, Dec 1st 2012



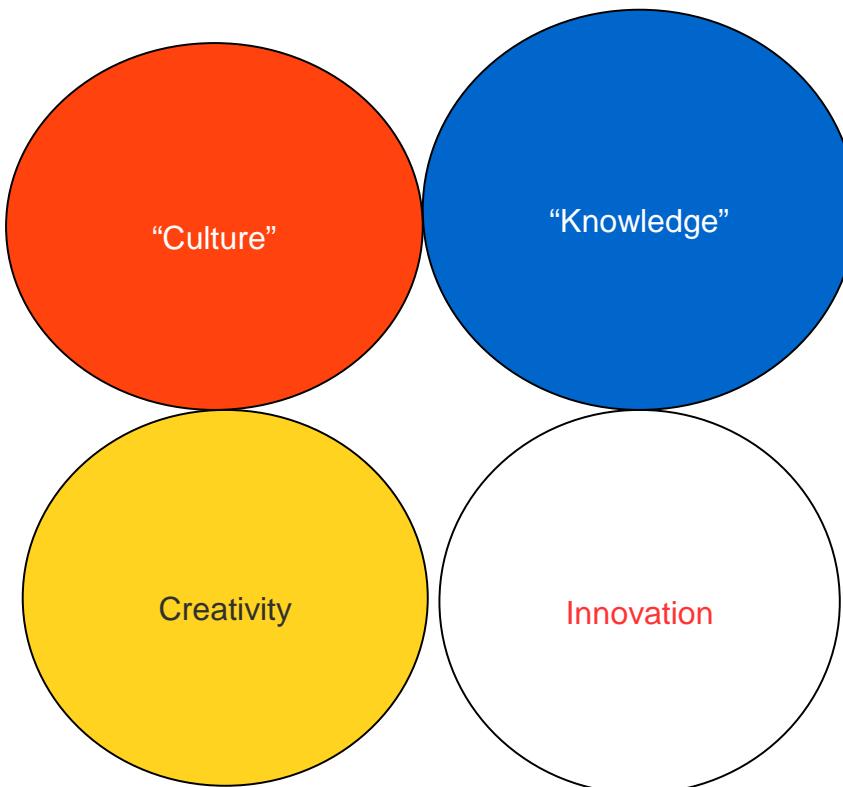
A new unit of the City of Barcelona



Jaume Ciurana, head of the new area of Culture, Knowledge, Creativity, and Innovation



Inés Garriga, ICUB director of Creativity and Innovation





Català



Home Bcn the Lab Streaming Agenda Contacte

Home

 Tweets Feed

- ▶ Gràcies a tots per assistir al #BCNTheLab, això recent comença! <http://t.co/zkmx2uHA>, 2012/12/01
- ▶ Benvinguts al nostre segon dia de treball. Gràcies a tots per la energia! #BCNTheLab, 2012/12/01
- ▶ View our Barcelona The Lab teaser video: <http://t.co/za4W2EwV> #BcnTheLab, 2012/11/30

Ens hem unit diferents comunitats creatives, de la cultura grups de recerca acadèmics, empreses, xarxes d'innovació, associacions, institucions públiques i l'Ajuntament de Barcelona i ens proposem crear un espai d' innovació oberta i col·laborativa a la ciutat de Barcelona.

Aquest espai proposem que es comenci amb Barcelona The Lab, la trobada de les comunitats de creativitat i innovació oberta de Barcelona.



Gracias:-)

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