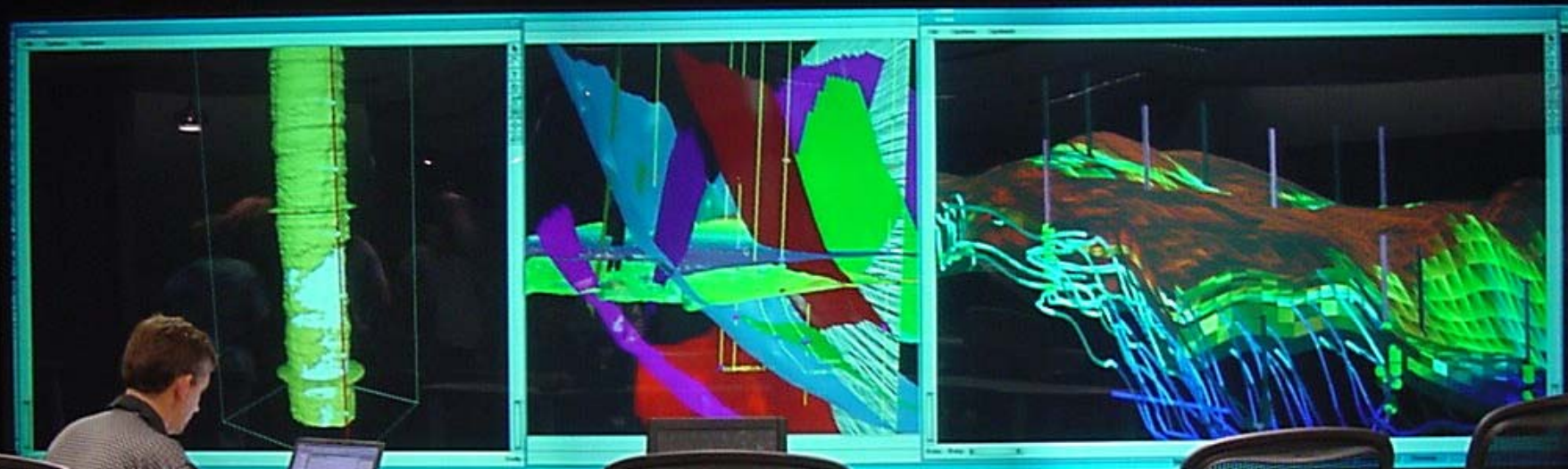


Visualisation haute performance Tendances & Technologies



Forum TERATEC 2010 16 June 2010

Eric Braux

eric.braux@barco.com



Forum TER@TEC, 16 juin 2010



Agenda (15mn)

- Key Drivers and **technology** trends
 - Pixels Performances
 - Ergonomy
 - Interaction
 - Collaborative workspaces
 - Some unique combinaison
- Profiling
 - **Users**
 - **Usage**
 - What's New : France
- Convergence
- Call for Innovation within the Teratec Ecosystem



Agenda (15mn)

Display Core
Technology
&
Performances

Trends
&
Usages

French
Ecosystem
&
References



Forum TER@TEC, 16 juin 2010



Display technology : Key Drivers and technology gap

**Pixel Count :
2 to 100 Millions**

3D

(Active, Passive, Infitec, Auto?)

**Brightness :
5-30 Klumens**

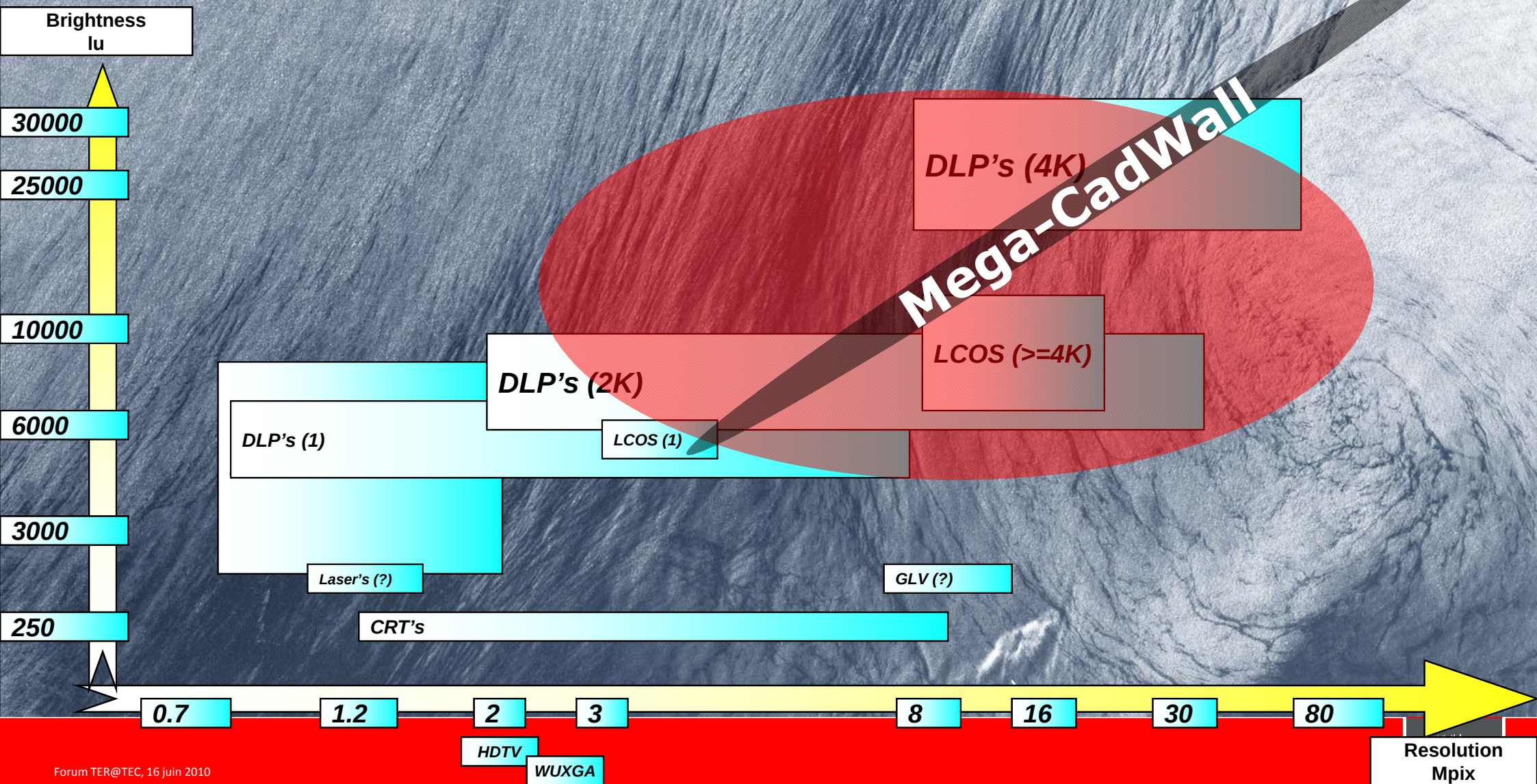
**Collaboration
Pixels over IP**

**Interaction
“man in the loop”**

Ergonomy

**Pixel size :
Sub Millimeter**

Much More Bright pixels...



Display technology : others Drivers

- Infrared (IR) for night vision application



- Multi-Channel display

Multi-channel optimization

Brightness uniformity



Edge blending

Color uniformity

Geometry distortion

Display technology : Key Drivers

Pixel Count :
2 to 100 Millions

3D

(Active, Passive, Infitec, Auto?)

Brightness :
30.000 lumens

**Collaboration
Pixels over IP**

Interaction
“man in the loop”

Pixel size :
Sub Millimeter

Key Words to define a Collaboration Space (usage)

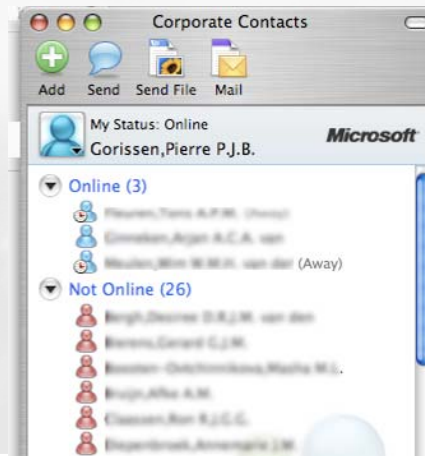


Collaborative Work

Sharing Visual information

Natural Communication

Key Words to define a Collaboration Space (infrastructure)



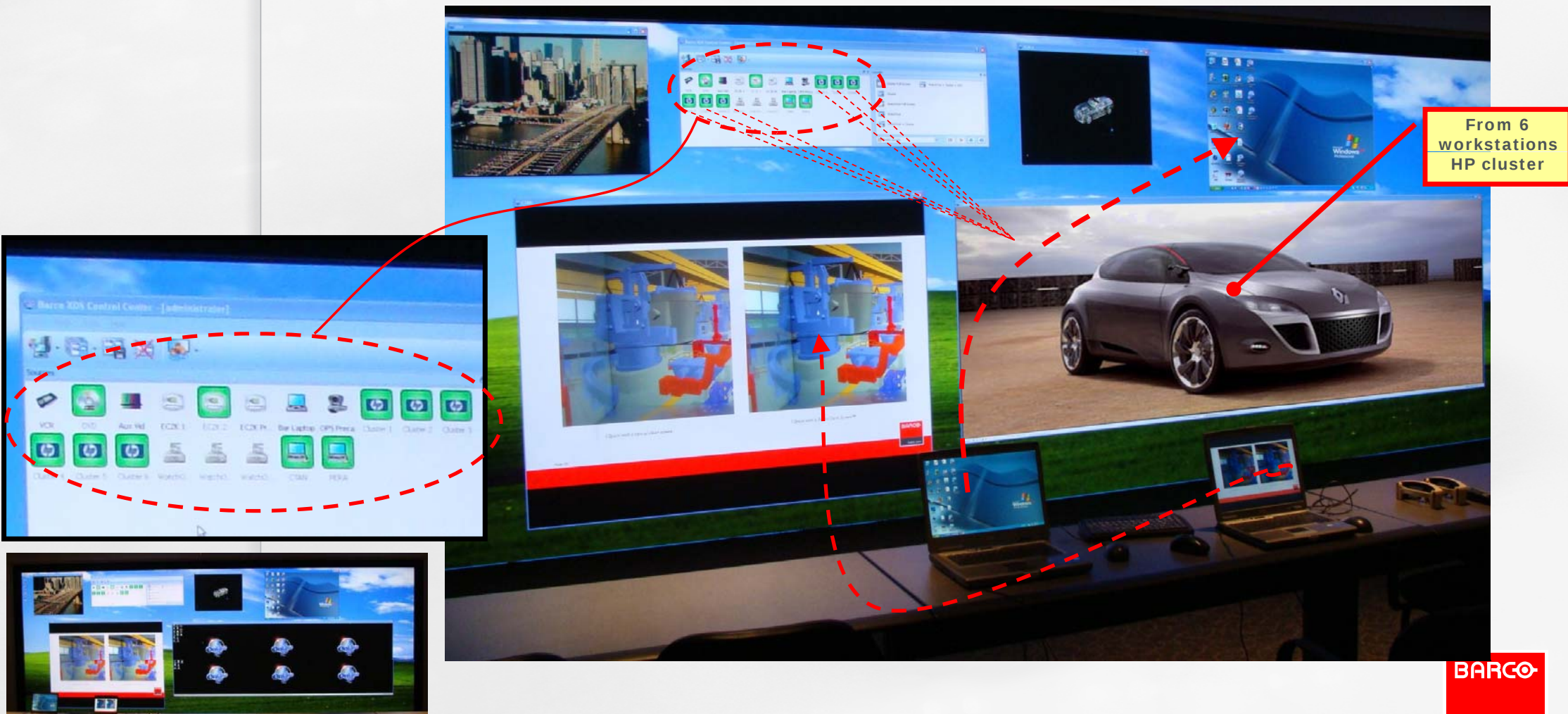
**Unified
Communication**



**Video Conferencing
& Telepresence**

**Network capacity
& Virtualization**

A review data wall with XDS Collaborative tools..



* From an installation at GM, we had to change the picture of the car !!!!

Forum TER@TEC, 16 juin 2010

BARCO

Visibly yours



A collaboration session at Barco ...

10 mega pixels, Integrated Telepresence and rich data sharing...

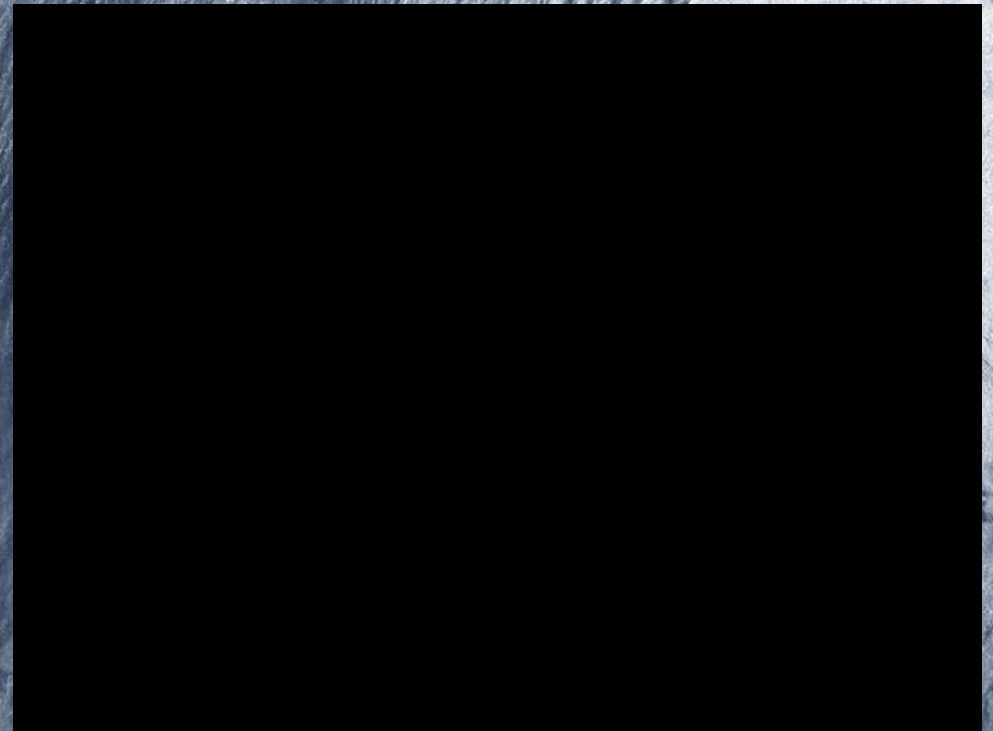
Another form of Collaboration : Control and Supervision



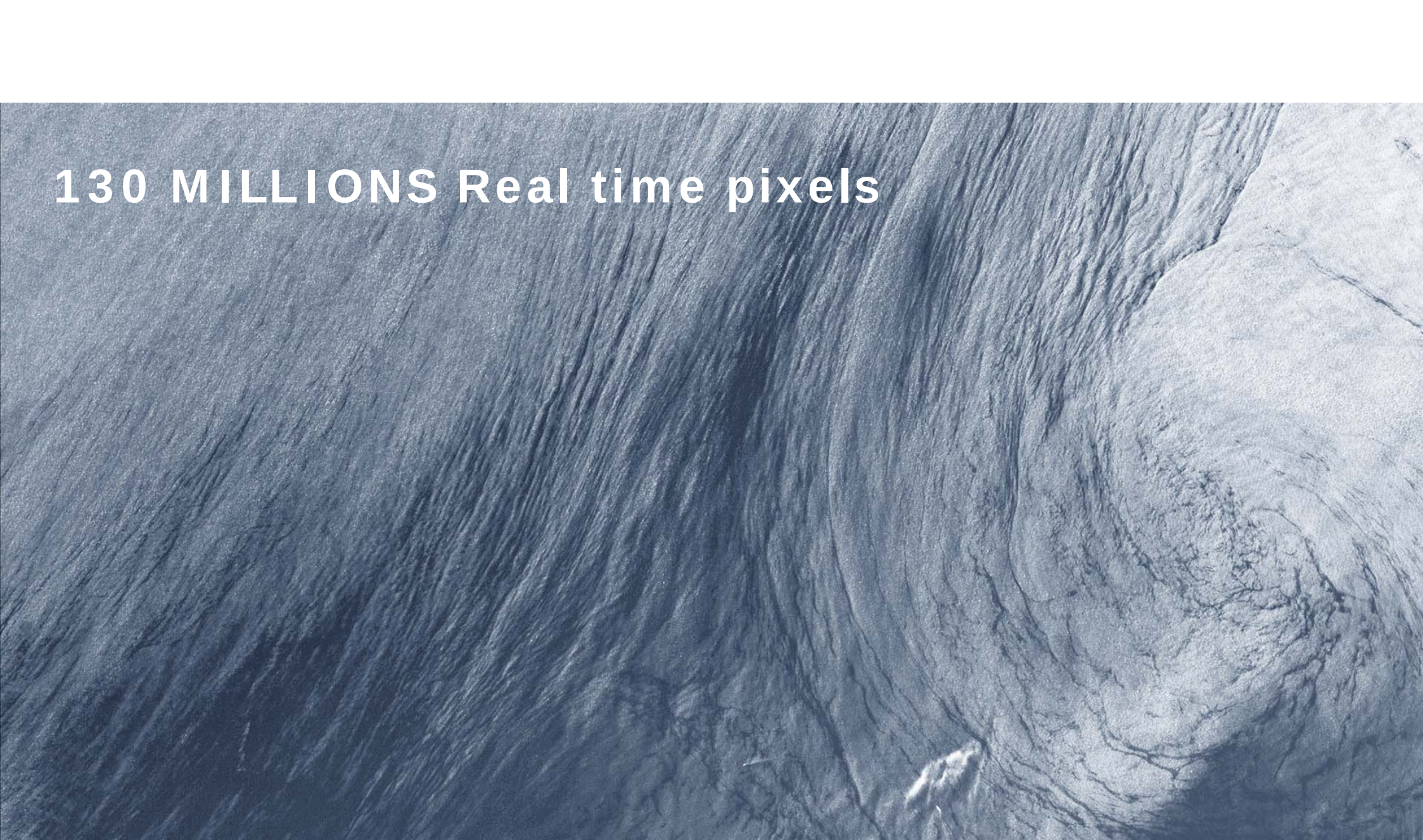
Multi-Touch to drive large scale displays



Table driven



Wall driven



130 MILLIONS Real time pixels

Visibly yours

Large scale display users

Automotive
Aerospace

1/3

Oil & Gas
Energy

1/3



Academic
Research

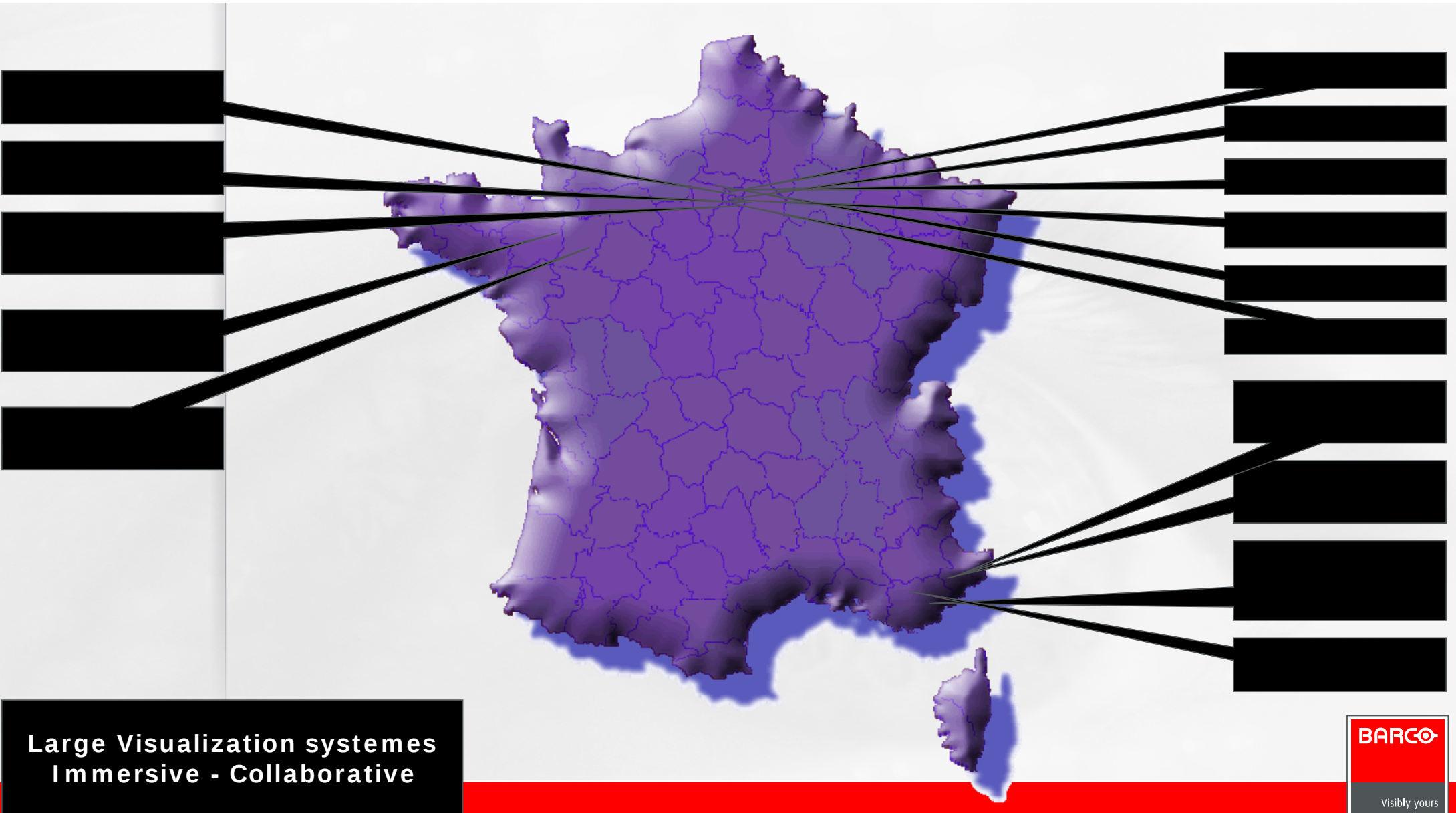
1/3



Emerging :
Corporate, Retail, Construction, Medical, Defense

French Ecosystem & some References

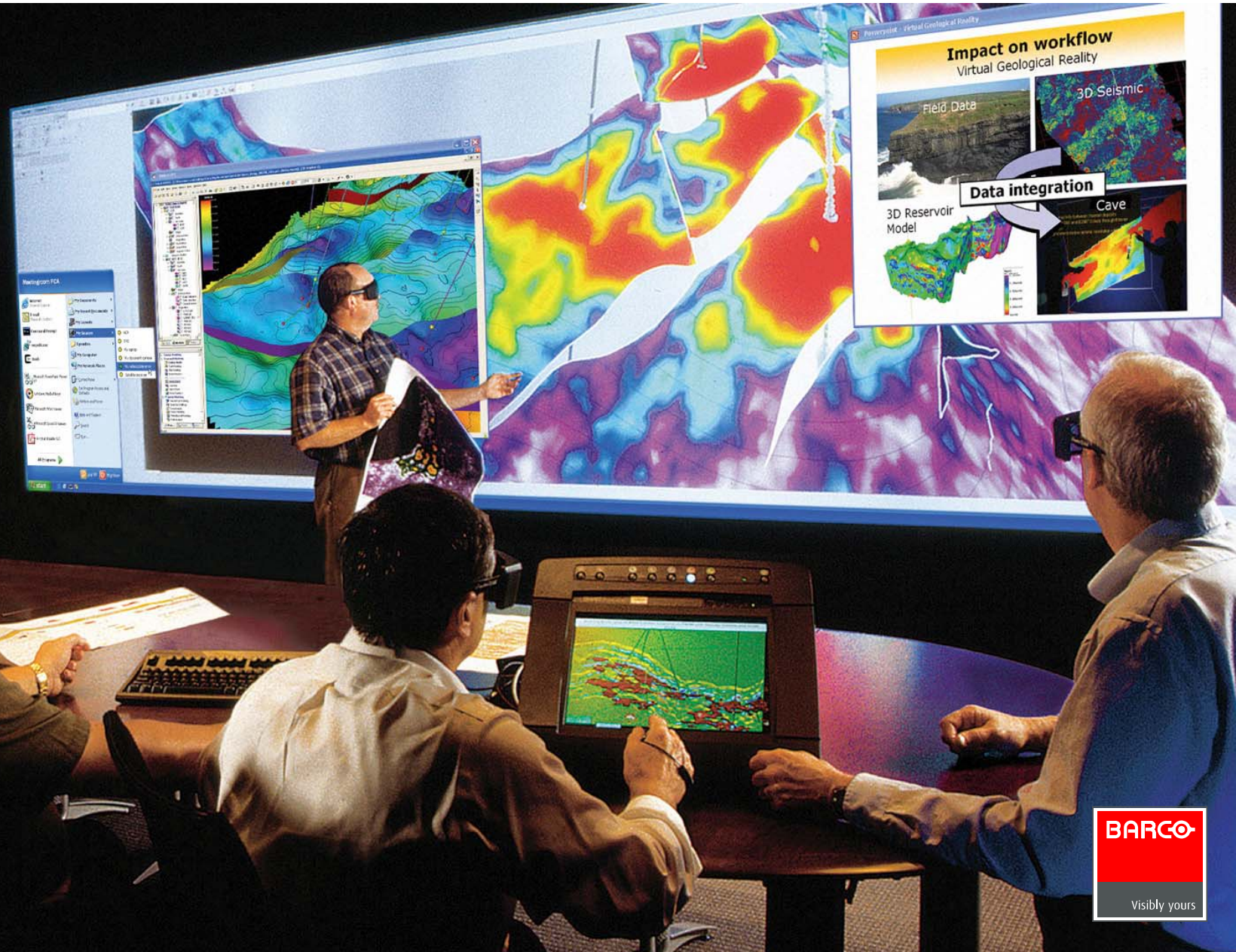




**Large Visualization systemes
Immersive - Collaborative**



Questions ?



Forum TER@TEC, 16 juin 2010

