



NEM – GA

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Contacts

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TWIST

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Join us on



ClusterTwist



Twisteurs

WHAT'S TWIST AGAIN?

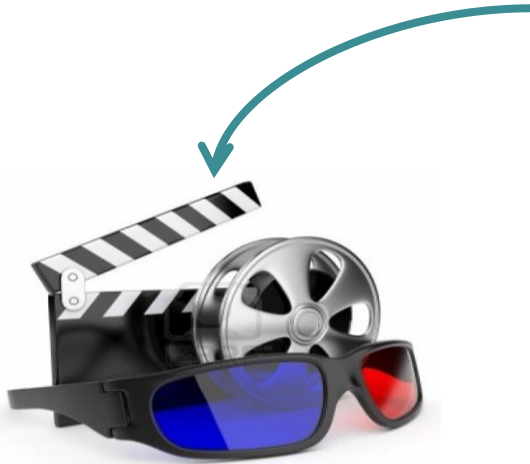
TWIST



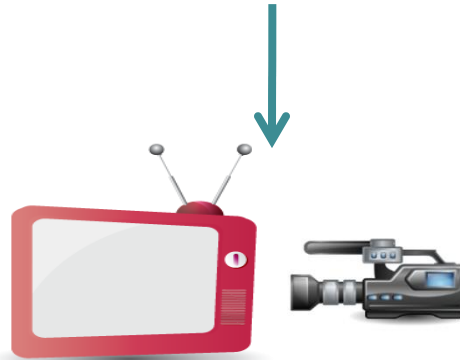
THE DIGITAL MEDIA CLUSTER IN WALLONIA



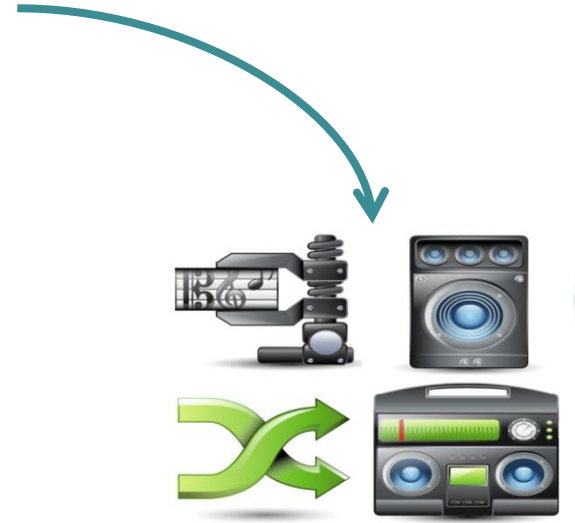
TWIST 'S MARKETS



CINEMA/TV/
ANIMATION



BROADCAST
TECHNOLOGIES



RICH MEDIA



EURO TRANS MEDIA

Gathering media clusters to bridge digital content with emerging technologies

Fp7 : Region of Knowledge

Budget : 2 Million Euros

Partners : TWIST (Belgium – Leader), Cap Digital (France), Barcelona Media (Spain), Media Evolution (Sweden), Estonian Digital Center (Estonia) & Prompt (Canada)





MAIN FIGURES

1. TWIST has +/- 100 members including
 - ✓ 80% SMES (EVS, IRIS, Dcinex, etc.) ;
 - ✓ 5 TV channels (including RTBF, RTL Belgium, BeTV) ;
 - ✓ 6 universities & research centres ;
 - ✓ 2 investment funds
2. Turnover of the Sector: € 1 billion
2. Jobs: 5,000 direct jobs and 2,000 indirect jobs

UNIVERSITIES AND RESEARCH CENTERS





Applied R&D centre

50 ICT experts

Strong international
network





PROCESS & PRODUCT QUALITY

OPTIMIZATION
MODELLING
SECURITY



FUTURE INTERNET

CLOUD COMPUTING
SEMANTIC WEB
BIG DATA
OPEN SOURCE & OPEN DATA



INTERNET OF THINGS

PROGRAMMABLE SYSTEMS
SMART OBJECTS
WIRELESS SENSOR NETWORK



CETIC - partners academic-Key Accounts

ALSTOM



**CITY UNIVERSITY
LONDON**


ERCIM
European Research Consortium
for Informatics and Mathematics



Canon 

 **Fraunhofer**
IESE



Atos

Creative Technology
-
University of Mons
&
Numediart Institute

> **2010** : Creation of the NUMEDIART Institut for Creative Technology



5 Faculties
13 departements
74 researchers

Audio, image, video, gesture, and bio-signal processing, for applications in which man-machine interaction aims at creating emotions



MULTIMEDIA
NAVIGATION

PERFORMATIVE
MEDIA

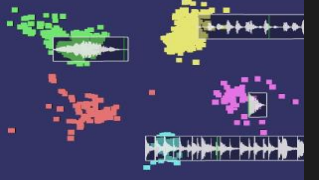
AUGMENTED
REALITY

MOTION
CAPTURE

SMART
SPACES

3D
DESIGN

AUDIOCYCLE



HANDSKETCH



PROJECTIONS
MONUMENTA



MOTOON
MOCKE
Y



MORFACE

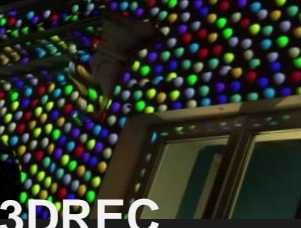


3DMONS

MEDIACYCLE



Guitar
CONTROLE



3DREC



HUM



We Can Do It!

FABLAB
MONS



AUDIO
GARDEN



FireTraSe



MAUBEUGE
2012



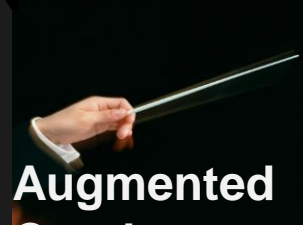
HUMAFACE
GHINZU



KINACT



LoopJAM



Augmented



Orchestra



MEDIANEU

Mslider

The Regulatory Authority for AV media in Belgium



TOPICS : AUDIENCES / USES / PRACTICES



- All NRA's centers of interest
- All the studies that allow a better understanding of the media
- Convergence (from old to new media)
- New media, New uses, New regulation framework
- Etc.





numediart
INSTITUTE FOR NEW MEDIA ART TECHNOLOGY



3 Universities

2 Research Centers

1 Portfolio of 10 R&D projects

- Industry driven short projects
- With results usable in 18-24 months

3D Reconstruct

Re-creation of the world in 3D from user generated videos

3D Move

Gesture recognition 3D from smartphones front cameras

Insert

Insertion of Advertised Objects in Sports TV Stream

Motion

Obstacle and risk detection for mobiles in motion

N-view Codec

Compression of multiple videos removing redundancy in scene

3D Comfort

Remove uncomfortable artifacts from 3D cinema scenes

Tele Co-Design

Remote collaboration around 3D models

3D Audio

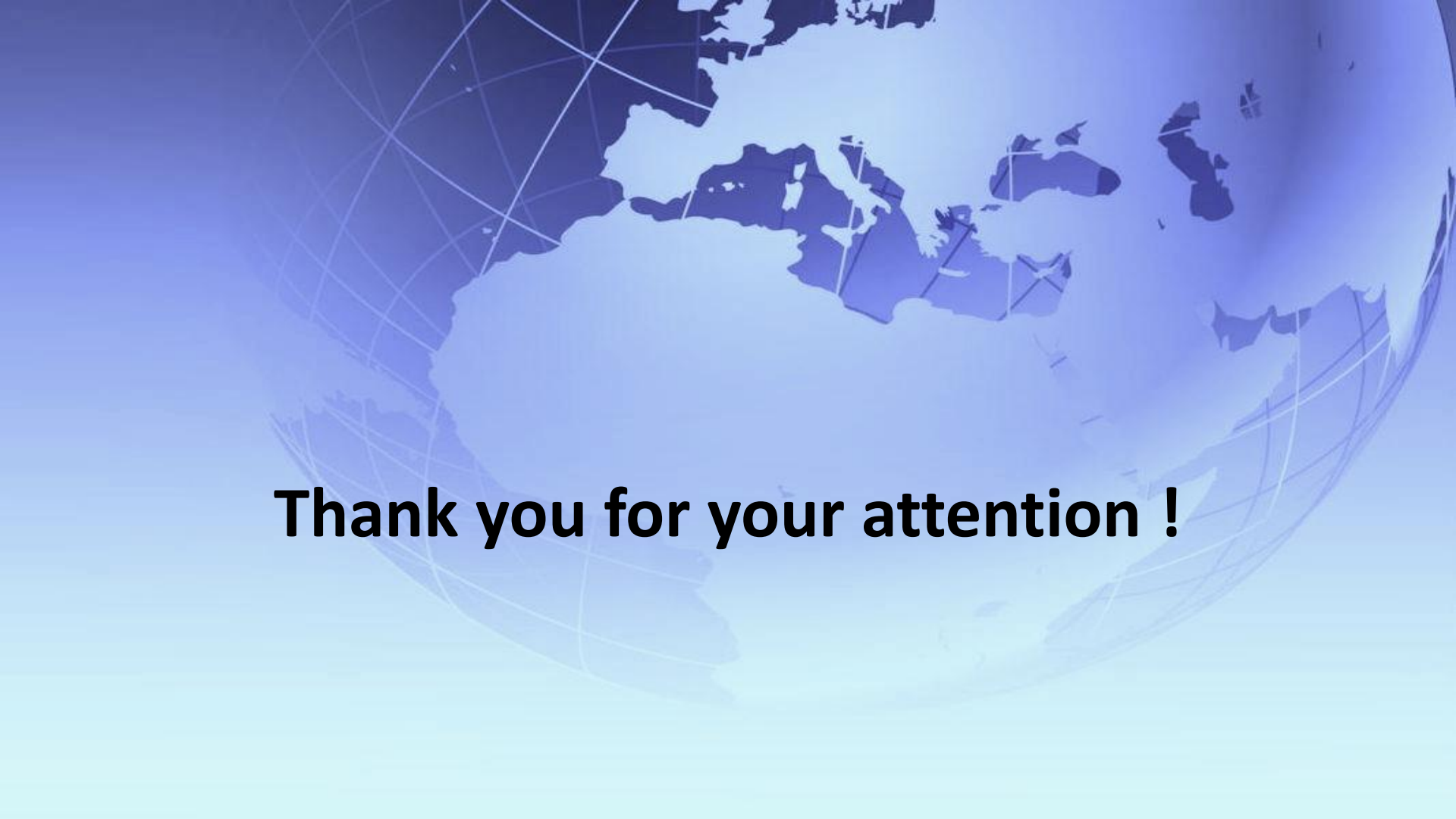
Easy acquisition of surround sound on the go

Social Pedia

Automatic info gathering from videos shared on Facebook

3D Blind

Automatic surrounding description from depth-sensing smartphone cameras



Thank you for your attention !