

AXELERA

ASSOCIATION CHIMIE-ENVIRONNEMENT LYON ET RHONE-ALPES



pôle de
compétitivité

CHIMIE ENVIRONNEMENT
LYON RHONE-ALPES

November 25 th 2005

Tohoku University, INSA-Lyon, ECL forum
P Barthelemy
President of Axelera



Pole de compétitivité: definition

- A french government initiative: national call for cluster project organisation based on 3 pilars
- gathering industries/academic research/training-education at the regional level to reinforce industry competitiveness.
- Based on partnerships and synergies common projects are generated: both technical and transversal
- To create critical mass and international recognition
- Started in December 2004 the call was closed end of february 2005.



Why chemical and environmental industries are key ?

- French chemical industry
 - ▶ 2nd industrial sector after automotive
 - ▶ 180 000 directs employees (hors pharmacie) : 10% of industry and in front of electronic
 - ▶ TO : 94 milliards d 'euros 2004 vs. 86 en 2003
- Environnemental industry :
 - ▶ 209 100 employees in eco-industry
 - ▶ TO : 25.3 milliards d 'euros
- international issues
 - ▶ Chemistry : 1st french export sector
 - ▶ Environnement : ww leadership with growth in Asia (+14%)
- Stakes: to renew industrial network
 - ▶ Environnement : closed to chemical industry ; spin-offs
 - ▶ To creat new businesses based on both technologies and Services



@ regional level:

- ▶ Industrial :1st position in France (hors IDF).French chemical history
 - ▶ R&D:1st position (number of public and private researchers) (hors IDF)
 - ▶ Innovation: 1st position in France regarding total R&D investments
 - ▶ Education & training: 1300 ingénieurs et 1350 docteurs/an.
 - ▶ RA is the 2nd région in Europe in term of employees for environnement.
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- Chemistry: the heart of different value chain .
 - RA : a great capacity to concentrate activities

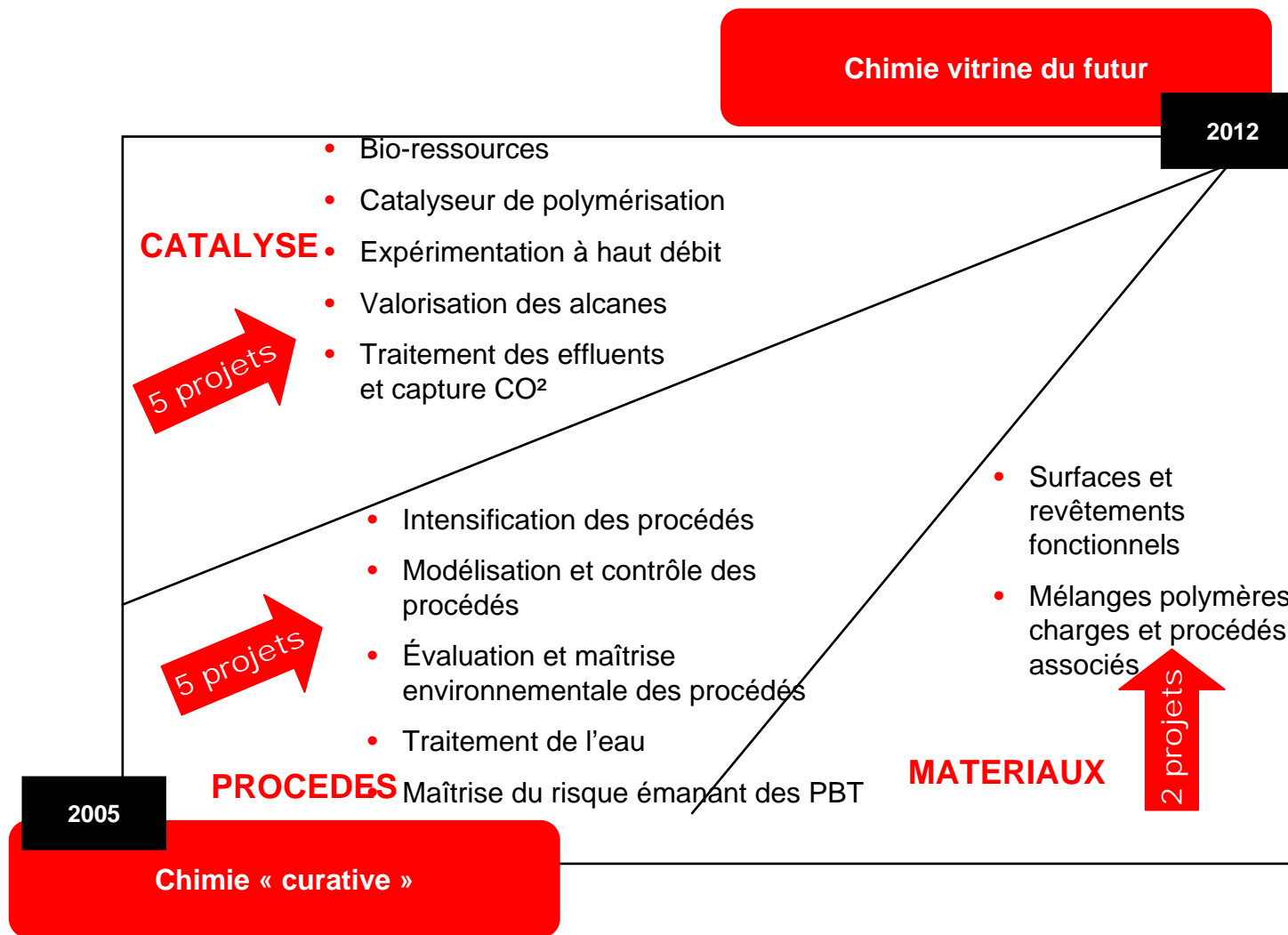


It has been a long way to be stamped

- Industries agreement: Rhodia-Arkema-Suez- and IFP and CNRS
- To define strategy and vision:
 - to speed up the move from a **curative** to a more **preventive** industry effect on the environment.
- To agree on 3 axis and 12 technical projects
- To define benchmark, to attract enterprises (LMS), to be recognised and supported by the local bodies(GL, Région, prefecture, ...).
- To define and organise the governance(how? who? deliverables?Ip and confidentiality...)
- **AXELERA: the body who support the whole project with GL**



3 strategic axis: 12 projects





Some transversal projects:

- Formation
- Societal
- Competitive survey
- Technical and financial Valorisation



it's a success!:

- Our « pôle de compétitivité » has been classified in the Top 15:
 - And recognised as « being ww pole »
- our « pôle » is number 3 in Rhône-Alpes, after Minalogic and Lyon Biopôle
- This is a great success and a very strong signal coming from the government, ministries to the chemical Industry in France and in Europe (see press feed back + President Chirac recognition)



Next steps:

- 1,5Md euros devoted to the pôles:
- ANR and All should be key tool to support the « ww Poles de compétitivité-Top 15 »
- « Joint development agreement to be signed between State/Region/Cluster »
- Building up a first project with Financial support : Process Intensification
- Fiscal tax relief and reduction of charges salaries (for all the reseachers involved in the geographical definition of the PdC).
- Support from local authorities



Next step 2006: Launching and project production

- This is a real opportunity to speed up our projects and reinforce french industry competitiveness by a more seamless working behaviour.
- Building up others project to be ready in 2006 for next run for financial support:
 - ▶ Priority 1 water treatment
 - ▶ Priority 2: matériaux
 - ▶ priority 3 :bioressources
- To set up transversal project: financial / SME attractiveness
- To look to international cooperation and recognition



To know more or to join us

- www.axelara.org
- info@axelara.org
- Coming soon in english



Few partners

- **industries :**

Suez, Arkema, Lab SA, ITW Bailly-Comte, Zodiac, Trédi, SNF Floerger, Solvionic, Serpol, Condat, Coatex, Tauw Environnement, Aedia Conseil, GRS Valtech, MSSA, La Celliose, Ciba spécialité, Eurecat, Michelin, Ondeo industrial solutions, Schneider electric, Alcan, Alsthrom, Antea, Sita remediation, Total, Veolia environnement, Rhodia, Elyo....

- **institutions :**

Grand Lyon, La Métro, UIC Rhône-Alpes, APPEL, Comité de développement scientifique et technologique de la Doua, Aderly, Centre technique du papier, Erai, Envirhonalp...

- **Recherche publique/privée et formation :**

IFP-Lyon, Ineris, CSTB, Université Claude Bernard Lyon1, CIRSEE-Suez, Esigec Chambéry, CNRS, Université Joseph Fourier, Service central d'analyse, CPE, ENS Lyon, Cezus, Cemagref, Interfora performances, LAEPSI, Institut des sciences analytiques, Insavalor, Division polden, INPG, INSA, Ecole centrale de Lyon, Cylergie...