

JAPANESE-FRENCH MEETING

Lyon

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ECONOMIC DEVELOPMENT THROUGH JOINT
INDUSTRIAL AND ACADEMIC RESEARCH

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RHONE-ALPES OBJECTIVES

- ❑ **Ensure Rhône-Alpes with knowledge based economic development**

- ❑ **Promote closer links between laboratories and enterprises of RA**

- ❑ **All economic sectors are involved in this policy**
 - ▶▶ high-end technology (digital industry, biotechnology...)
 - ▶▶ traditional sectors under reengineering

THE POTENTIAL OF RHONE-ALPES

□ Research

- ▶ 30 000 researchers in R&D (public and private)
- ▶ 600 laboratories in 8 universities, 40 “Grandes Ecoles”, 10 public research agencies (CNRS, INSERM, INRA, INRIA,CEA...)

THE POTENTIAL OF RHONE-ALPES

- ▶ In average, the part of RA in France represents 10% of the activity
- ▶ 12% of scientific publications in France are issued from RA
- ▶ 30% of the technical centres in France are in RA
- ▶ 30% of French led European Networks of Excellence are in RA

THE POTENTIAL OF RHONE-ALPES

□ Economy

- ▶▶ Regional GDP : 10% of the French one
- ▶▶ 14% of whole employment in high technology are in RA

OUR STRATEGY

- ❑ **Rhone-Alpes research policy: to strengthen industrial and academic links**
- ❑ **“Pôles de Compétitivité” : Consortia of industrial and academic partners (National and Regional fundings)**
- ❑ **\cong 3% Regional Budget**

RESEARCH

- ❑ **Long term plan to analyse and to gather the needs of research to develop the regional economy**
 - ▶▶ Set up by the Regional Council from a study among 1000 people coming from research and industry

- ❑ **Main parts**
 - ▶▶ Clusters of Research .../...

Research Clusters

- **Network of researchers** of RA involved in selected topics (academic management)
- **Public and Private** research cooperation

Research Clusters

- Microelectronics, nanosciences and nanotechnologies
- Computer sciences, embedded electronics and software
- Control of material lifetime
- Manufacturing and innovation systems
- Green chemistry for sustainable development

Research Clusters

- Environment Renewable Energies, Energy effectiveness
- Infectiology, Immunology, Cancerology
- Three Human and societal clusters

RESEARCH

- ▶ Funding support for large equipment
 - Strengthen the potential of the public research sector
 - Strengthen the R&D potential of industry
 - Fund common public and private research platforms

« POLES DE COMPETITIVITE »

- ▶ Cooperation between research and industry for a new economic growth driven by innovative research (industrial management)

National call for projects

- 105 applied projects, 18 in RA
- 65 selected projects, 16 in RA
- 15 projects qualified as international level projects, 3 in RA (20%) :

« POLES DE COMPETITIVITE »

- *Lyon Biopole (biology and nanotechnology)*
- *Minalogic (micro and nanotechnology)*
- *Chemistry – Environment*
- *PLASTIPOLIS (Polymer materials)*
- *Renewable Energies*

TO CONCLUDE

- Rhône-Alpes is highly interested in developing cooperation with Japan Universities
- The present cooperation in the field of Materials and Sciences Engineering can be the first step in developing cooperation between Rhône-Alpes and Japan

POLES OF EXCELLENCE

▶ A new project

Regional Agency for Development and Innovation

- Valorisation
- Transfer of technology
- Gather the needs in research from the economic and social demand