Background information
Faro Peer Review 4-5 July 2013
A dynamic Region in the center of Europe

Nearly 6.2 million inhabitants (6th largest Region in Europe) with a strong demographic dynamic.

A large and diversified territory: 45 000 skm (2nd largest region).

2 main ecosystems: the Alps and the Rhône river

A central location in Europe: at crossroads of major transportation roads & rails

3 major cities: Lyon, Grenoble, Saint-Etienne

Main economic indicators

- 2nd Region in France, 7th in Europe in terms of creation of economic wealth
  - GDP = 187.4 billion € (2010)
  - +/- 10% of national wealth

- A leading region in France in terms of salaried jobs and self employment
  - 1.7 million salaried jobs in the private sector and 500 000 in the public sector
  - One of France most enterprising region with 33 000 businesses/year
\begin{itemize}
  \item An international economy
    \begin{itemize}
      \item 2nd rank in France in terms of exports and imports
      \item Increasing volumes:
        \begin{itemize}
          \item 2011 : + 341M€
          \item 2012 : + 1.86B€
        \end{itemize}
      \item But, 2000’s performing rates (+6B€) still remain beyond reach
    \end{itemize}
\end{itemize}

A major centre for higher education and research

\begin{itemize}
  \item 2nd region in France in terms of R&D intensity
    \begin{itemize}
      \item 12\% of national expenditures on R&D
      \item A ratio of 2.52\% in terms of R&D intensity (spending in R&D/ Regional GDP) : behind Midi-Pyrenées (3.94\%) and Ile-de-France (3.10\%).
    \end{itemize}
  \item More than 230,000 students, 9 universities and 40 ‘grandes écoles’
    \begin{itemize}
      \item PRES Université de Lyon (Lyon and St Etienne)
      \item PRES Université de Grenoble (Grenoble and Savoie)
    \end{itemize}
  \item 15 French and European research centres
  \item 650 laboratories
  \item 38 500 scientists in businesses and public research institutions
\end{itemize}

Distinctive characteristics of our economy

\begin{itemize}
  \item The development of the tertiary sector
    \begin{itemize}
      \item More than one employee out of two works in the service sector
      \item Service sector to industries growing
    \end{itemize}
  \item A wide diversity of activities, in particular industrial activities with high added value
    \begin{itemize}
      \item Industrial production represents 29.9 billions€ of AV, 426 000 jobs (20\% of total employment) and 30 000 businesses
      \item Leading French region for industrial subcontracting
      \item 13\% of French innovative companies
      \item Important role of “Social economy”: 10\% of salaried jobs in Rhône-Alpes
      \item Major strategic sectors: 13 Competitiveness Clusters and 12 Clusters
    \end{itemize}
  \item Predominant sectors of High-Tech industries in Rhône-Alpes
    \begin{itemize}
      \item Environmental technologies,
      \item Life sciences,
      \item Sports and mountains industries,
      \item Digital industries, cultural and creative industries
      \item Industrial sub-contracting,
      \item Micro and nanotechnologies
    \end{itemize}
\end{itemize}
### Regional Industrial Specialisation

<table>
<thead>
<tr>
<th>Regional Industrial specialisation</th>
<th>European ranking</th>
<th>Specialisation</th>
<th>Employment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production and transformation of nuclear materials</td>
<td>2</td>
<td>29,72</td>
<td>3 571</td>
</tr>
<tr>
<td>Research &amp; Development conducted in the field of Human and Social Sciences</td>
<td>4</td>
<td>6,55</td>
<td>4 219</td>
</tr>
<tr>
<td>Manufacture of steam generators, except from central-heating boilers</td>
<td>5</td>
<td>9,60</td>
<td>10 068</td>
</tr>
<tr>
<td>Distribution and electrical control equipment manufacturing</td>
<td>6</td>
<td>4,75</td>
<td>15 016</td>
</tr>
<tr>
<td>IT consulting</td>
<td>6</td>
<td>4,27</td>
<td>12 043</td>
</tr>
<tr>
<td>Agrochemical manufacturing</td>
<td>7</td>
<td>7,4</td>
<td>1 548</td>
</tr>
<tr>
<td>Industrial process control equipment manufacturing</td>
<td>9</td>
<td>3,84</td>
<td>3 533</td>
</tr>
<tr>
<td>Sporting goods manufacturing</td>
<td>9</td>
<td>6,86</td>
<td>2 376</td>
</tr>
<tr>
<td>Industrial equipment wholesale</td>
<td>14</td>
<td>2,27</td>
<td>30 520</td>
</tr>
<tr>
<td>Pharmaceutical Industry</td>
<td>15</td>
<td>2,30</td>
<td>13 231</td>
</tr>
</tbody>
</table>

Source: European Cluster Observatory, 2011

### KETs in Rhône-Alpes

- **Advanced manufacturing technologies**
  - Nanotechnology (4.6% of the European production)
  - Photonics (3.3% of the European production)
- **Micro and nanoelectronics**
- **Biotechnology** (2.1% of the European production)
- **Nanotechnology** (2.1% of the European production)

2.1% de la production européenne -> 7ème région (EU)
The role of the Regional Authority

- The “Regional Council”, a regional authority with an elected assembly since 1982
  - Various competences: construction and equipment of high schools, professional training and apprenticeships, economic development and employment, territorial development, regional public transport, etc.
  - Budget: 2.4 billion € in 2012, of which 202 Million € for economy and research

- Strategy for and coordination of regional economic development, research and innovation
  - Better innovation and competitiveness in companies, to create jobs and to improve sustainable development of territories
  - 2 Departments dedicated:
    - Economical Development and Employment
    - Department for Research and Higher Education

Rhône-Alpes’ cluster policy

- Why a cluster policy in Rhône-Alpes?
  - Connects all groups of players: research, technology, higher education, training and economic development to create partnerships and networking
  - Organizes cross-fertilisation between different disciplinary fields
  - Covers all factors in business performance: strategic vision, Human Resources and skills management, innovation, international development
  - Focuses on SME’s growth
  - Enhances Region’s economic attractiveness
12 Rhône-Alpes Clusters
Regional Cluster policy launched in 2004
Market-based approach
Regional scale of clusters

12 Competitiveness Clusters
National policy launched in 2005
R&D approach

Involvement of Region Rhône-Alpes through:

- Follow-up and financing of clusters’ Management and governance
- Follow-up and financing of action plans and collective projects
  - Commercial development and marketing
  - International development
  - Management of human resources / training
  - Industrial performance

12 + 12 clusters
Results so far…

- **Clear vision and collective strategy** on the key business sectors for Rhône-Alpes

- For enterprises, **boost on innovation**, business and R&D opportunities through collective projects
  - 3000 enterprises members of clusters, including 2000 SMEs
  - Research centres organized through 8 key societal challenges
  - Stronger and lively industry/research partnerships

- **2 regional agencies committed** to clusters development
  - ARDI (Innovation) and ERAI (International)

- **Promotion and attractiveness** of Rhône-Alpes’ territory & industry at European and global scale

...and perspectives (2013-2020)

- **Additions** to clusters’ action plans
  - Entrepreneurship and SME’s **financing**
  - **User-based innovation** (living labs)…

- **Massive investments on key areas** : **smart specialisation**

- **Stronger interactions between Technology providers Clusters & Integrative Clusters** to:
  - Make an advantage of Industry diversity
  - Facilitate key technologies’ transfer
  - Promote market/user driven innovation

- **Develop inter-clustering** at European and International level