Life sciences in Piemonte

- ≅ 3400 employees in life sciences (R&D)
- 3 universities
- 80 hospitals
- Several R&D labs and centers

- ≅ 7,000 employees in life sciences
- 310 organizations and companies
- 12 foundations, incubators and science parks
- 271 SMEs
- 17 local units of foreign companies
- 10 global players
• 22,000 sqm labs and office spaces for companies
• incubator
• R&D service delivery
• R&D shared facility
• Cluster managing company focused in health care: bioPmed

www.bioindustrypark.eu
The bioPmed community

National and International Hubs

bioPmed enlarged community

bioPmed core members
- 60 companies
- 9 Universities, R&D centers, foundations, etc
- 1 managing company

250 companies
3500 universities scientists

Synergies with local clusters (ICT, New materials, textiles, etc), with European clusters (Through the Council of European Bioregions) and non European clusters
The “traditional approach”  
*(One problem, one technology, one solution)*

The “bioPmed” approach”  
*(Converging technologies)*

- Up to 200 companies working specifically in health care
- Over 10,000 companies working in Biotech, ICT, Mechatronics, New Materials

“Overlapping different technological knowledge to reach innovative solutions, unmet medical needs and ensure a better future”
…starting from local assets

Technological and scientific assets

- Molecular biology
- Imaging
- Cell biology
- Proteomics
- Nanotech
- ICT
- Mechatronics
- New materials
- Stem cells
- Regenerative medicine

DRUGS

DIAGNOSTICS

DISPOSABLE DEVICES

IMPLANTABLE DEVICES

PROBIOTICS/NUTRICEUTICS

SERVICES AND TOOLS

Healthcare markets

- Metabolic diseases
- Neurodegeneration
- Cardiovascular
- Inflammation
- Immunity
- Infections
- Oncology
- Ageing

Solutions

POLO ICT

POLO MEC

PIEMONTE INNOVATION CLUSTER

...starting from local assets
May 2011 data
...and with results....

<table>
<thead>
<tr>
<th>Category</th>
<th>2009 - 2010</th>
<th>2010 - 2011 (giugno)</th>
<th>2011 -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Companies contacted and involved</td>
<td>100</td>
<td>290</td>
<td>300</td>
</tr>
<tr>
<td>Organizations formally and contractually linked</td>
<td>57</td>
<td>67</td>
<td>75</td>
</tr>
<tr>
<td>Total output project building activities</td>
<td>58</td>
<td>34</td>
<td>32</td>
</tr>
<tr>
<td>Feasibility studies and R&amp;D projects financed</td>
<td>15</td>
<td>16</td>
<td>-</td>
</tr>
<tr>
<td>Technical Work-shops organised</td>
<td>5</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>Companies involved in internationalisation and international activities</td>
<td>40</td>
<td>45</td>
<td>3</td>
</tr>
<tr>
<td>Advanced services financed</td>
<td>3</td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>EU funded project ongoing and presented (cumulative)</td>
<td>3</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>% of members involved in project (cumulative)</td>
<td>90%</td>
<td>96%</td>
<td>99%</td>
</tr>
<tr>
<td>Overall value of financed initiatives</td>
<td>7.670.000</td>
<td>~ 5.300.000</td>
<td>N.A.</td>
</tr>
<tr>
<td>Involvement in institutional advisory board external to the region</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
</tbody>
</table>
Common projects
Shared initiatives
Networking between companies
Evaluation of projects
Cooperation agreements
Common Initiatives
Common projects

http://biohealth-computing.org/
http://www.alpsbiocluster.eu/
Bioinformatics: from universities to companies

- **Biodigitalvalley experience**: integrating wet-lab with in-silico biomedical research
  - (Enrico Bucci, BioDigital Valley)
  - www.biodigitalvalley.com

- **Integrated bioinformatics solutions for microbial genome, proteome and metabolome comparative analysis**
  - (Francois Rechenmann, Genostar)
  - http://www.genostar.com/
..It is the team that wins not the single player...