**IASP General Survey 2006 - 2007**  
*Science and Technology Parks in the World*

Luis Sanz  
IASP  
www.iasp.ws

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**Expansion of Science Parks**

- **Expansion after creation**:
  - Yes: 78%
  - No: 22%

- **Number of expansions**:
  - 1 exp.: 67%
  - 2 exp.: 18%
  - >2 exp.: 15%

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**Location: Science Parks vs. cities**

- In a city: 66%
- Near a city: 27%
- Out of the city: 3%
- NA: 4%

**Location: Science Parks vs. Universities**

**STPs & Universities: Location**
- On campus or adjacent to it: 36%
- Not on campus but in University-owned land: 8%
- Elsewhere: 53%
- NA: 3%

**STPs & n. of universities within a 50km radius**
- >20 Univ.: 21%
- 11-20 Univ.: 27%
- 6-10 Univ.: 37%
- 1-5 Univ.: 12%
- NA: 3%
**Interaction STPs - Universities (1)**

- **% STPs sharing infrastructures with universities**
  - Sharing: 54%
  - Not sharing: 43%
  - NA: 3%

- **% STPs sharing services with universities**
  - Sharing: 65%
  - Not sharing: 32%
  - NA: 3%

**Interaction STPs - Universities (2)**

- **% STPs hosting university R&D groups**
  - Hosting: 72%
  - Not hosting: 25%
  - NA: 3%

- **STPs & Industry Liaison Offices**
  - With ILO: 70%
  - Without ILO: 27%
  - NA: 3%
### Interaction STPs - Universities (3)

**STPs-University relation intensity**
*(n. of indicators fulfilled)*

- 0 indic. (5%)
- 1 indic. (35%)
- 2 indic. (35%)
- 3 indic. (25%)
- 4 indic. (14%)

NA: 3%

### Interaction STPs - Universities (4)

**STPs-University relations:**
*raking of indicators*

- With R&D groups
- Shared services
- Shared infrast.
- ILO on STP

Graph showing the distribution of indicators.
Importance of different institutions for STPs (1)

Importance of Universities
- Very important: 75%
- Slightly important: 16%
- Moderately important: 4%
- Not important: 5%
- NA: 5%

Importance of VC/SC
- Very important: 43%
- Slightly important: 27%
- Moderately important: 13%
- Not imp.: 5%
- NA: 12%

Importance of different institutions for STPs (2)

Importance of Financial Institutions
- Very important: 39%
- Moderately important: 26%
- Slightly important: 19%
- Not important: 10%
- NA: 6%

Importance of Legal Services
- Very important: 49%
- Moderately important: 18%
- Slightly important: 12%
- Not Important: 8%
- NA: 13%
Importance of different institutions for STPs (3)

![Bar chart showing the importance of different institutions for STPs (Universities, VC/SC, Financial Institutions, Legal Service Firms).]

STPs size: surface area

![Pie chart showing the distribution of STP surface area globally: 4% N/A, 19% >1,000,000, 27% 200,001-600,000, 40% <200,000, 10% 600,001-1,000,000].

**STPs size: built surface area**

Built areas in STPs (in m²) - Worldwide

- <15,000: 16%
- 15,001 - 40,000: 25%
- 40,001 - 80,000: 17%
- >80,000: 36%
- N/A: 6%

**STPs main elements**

- Incubation units: 90%
- Technology Centres: 80%
- University Centres: 70%
- Residential facilities: 30%
**STPs expansion plans**

- **Yes**: 78%
- **No**: 19%
- **NA**: 3%

**STPs capacity (max. n. of resident companies / institutions)**

- **<50**: 18%
- **50 - 100**: 25%
- **101 - 200**: 12%
- **201 - 400**: 12%
- **401 - 1,000**: 10%
- **>1,000**: 5%
- **NA**: 9%
**STPs annual operating budgets**

Worldwide (Millions of Euro)

- <2.5: 25%
- 2.6-5.0: 25%
- 5.1-7.5: 25%
- 7.6-10.0: 13%
- >10.0: 16%
- NA: 17%

**STPs sources funding**

Source of funding: relative importance (worldwide)

- Property rental income: 287
- Tenant fees: 259
- Services provision: 254
- Public sector (Regional): 243
- Public sector (National): 233
- Property sales income: 170
- Public sector (Supernational): 162
- Other: 97
STPs ownership structure (1)

Public 40%
Mix 22%
Private 12%
NA 26%

STPs ownership structure (2)

STP Public ownership breakdown (worldwide)

Other public ownership: 2%
Public Bank: 4%
Central Government: 18%
Chamber of Commerce: 8%
Public Universities: 18%
Regional Government: 25%
Local Government: 21%
**STPs ownership structure (3)**

**Private Ownership Structure**
- Private investors: 70%
- Other private ownership: 20%
- Private Univ.: 10%

**Mixed Ownership Structure**
- Private majority: 61%
- N/A: 6%
- Public majority: 33%

**STPs Governance**

**Composition of the Board of Directors or equivalent body**
- No shareholders on Board: 36%
- Shareholders & Stakeholders: 34%
- No specific governance structure: 5%
- Only Shareholders on the board: 17%
- NA: 8%
STPs Management (1)

STP Staff

- >25: 5-10%
- 21-25: 28%
- 5-10: 26%
- 12-25: 26%
- <5: 12%
- NA: 26%

STPs Management (2)

% of STP staff with managerial functions

- <3: 16%
- 4-10: 16%
- 11-20: 16%
- 21-30: 13%
- 33%
- >30: NA: 6%
**STPs taxation**

How much taxes do STPs pay?

- **Very Low**: 10%
- **Low**: 10%
- **No taxes**: 9%
- **Not Applicable**: NA
- **High**: 17%
- **Very High**: 4%
- **Average**: 41%

**Public support to STPs (1)**

Categories of Public Support Awarded to STPs

- **Grant**: 45.45%
- **Subsidy**: 40.26%
- **Advice & Guidance**: 31.17%
- **Tax Incentives**: 27.27%
- **Low-Interest Loan**: 20.78%
- **Non financial**: 1.99%
Public support to STPs (1)

Main Purposes of Public Support

- Property Development: 53.25%
- Personnel Hire: 40.26%
- Capital Acquisition: 29.87%
- Other: 29.87%
- Property Purchase: 28.57%

Factors affecting the development of STPs

- Public Sector Support: 250
- Government Regulations: 200
- Change / Turbulence: 150
- Taxation: 100
- Other: 50

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**STPs activities**

<table>
<thead>
<tr>
<th>Activity</th>
<th>% of STPs where each activity occurs</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D</td>
<td>86%</td>
</tr>
<tr>
<td>Training/ Education</td>
<td>81%</td>
</tr>
<tr>
<td>Engineering/ Technical Services</td>
<td>81%</td>
</tr>
<tr>
<td>Value Added Services</td>
<td>86%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>42%</td>
</tr>
<tr>
<td>Marketing</td>
<td>39%</td>
</tr>
<tr>
<td>Office Centre</td>
<td>38%</td>
</tr>
<tr>
<td>Other</td>
<td>6%</td>
</tr>
</tbody>
</table>

**STPs Specialisation**

- Specialist: 36%
- Generalist: 40%
- Semi specialist: 16%
- NA: 8%
Main sectors in STPs

<table>
<thead>
<tr>
<th>Sector</th>
<th>% STP</th>
<th>Sector</th>
<th>% STP</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT / Telecommunications</td>
<td>91.92</td>
<td>Industrial / Manufacturing systems</td>
<td>40.26</td>
</tr>
<tr>
<td>Biotechnology / Life Science</td>
<td>80.52</td>
<td>Nanotechnology</td>
<td>40.26</td>
</tr>
<tr>
<td>Computers / Informatics</td>
<td>75.32</td>
<td>Pure research</td>
<td>37.66</td>
</tr>
<tr>
<td>Software</td>
<td>70.13</td>
<td>Food Technology</td>
<td>36.36</td>
</tr>
<tr>
<td>Internet Technologies and Services</td>
<td>66.23</td>
<td>Agro-food / Agriculture</td>
<td>38.06</td>
</tr>
<tr>
<td>Design / Engineering services</td>
<td>59.74</td>
<td>Consumer electronics</td>
<td>27.27</td>
</tr>
<tr>
<td>Education</td>
<td>51.95</td>
<td>Optics</td>
<td>24.68</td>
</tr>
<tr>
<td>Environmental Technology</td>
<td>51.95</td>
<td>Aeronautics / Aerospace</td>
<td>18.18</td>
</tr>
<tr>
<td>Chemistry</td>
<td>49.35</td>
<td>Tourism services</td>
<td>11.69</td>
</tr>
<tr>
<td>Value-added Services</td>
<td>46.75</td>
<td>Forest Technology &amp; Industry</td>
<td>10.39</td>
</tr>
<tr>
<td>Industrial electronics</td>
<td>45.45</td>
<td>Off-shore Technology</td>
<td>10.39</td>
</tr>
<tr>
<td>New Materials</td>
<td>45.45</td>
<td>Trade Services</td>
<td>9.09</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>40.26</td>
<td>Other</td>
<td>6.49</td>
</tr>
<tr>
<td>Energy Technology</td>
<td>40.26</td>
<td>Sports Technology</td>
<td>6.49</td>
</tr>
</tbody>
</table>

STP Services

<table>
<thead>
<tr>
<th>High value-added services</th>
<th>% of Parks offering the service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management support services</td>
<td>73</td>
</tr>
<tr>
<td>Seed fund access assistance</td>
<td>71</td>
</tr>
<tr>
<td>Intellectual property consulting</td>
<td>64</td>
</tr>
<tr>
<td>Networking (internal)</td>
<td>64</td>
</tr>
<tr>
<td>Training courses</td>
<td>60</td>
</tr>
<tr>
<td>Accounting / Legal</td>
<td>58</td>
</tr>
<tr>
<td>Lab facilities</td>
<td>56</td>
</tr>
<tr>
<td>Marketing &amp; Promotions</td>
<td>55</td>
</tr>
<tr>
<td>Networking (external)</td>
<td>53</td>
</tr>
<tr>
<td>Tenant development</td>
<td>53</td>
</tr>
<tr>
<td>Corporate Location Assistance</td>
<td>34</td>
</tr>
<tr>
<td>Own seed capital funds</td>
<td>30</td>
</tr>
</tbody>
</table>
**STPs & Business Incubation**

STPs with incubation activities

- No Incubation Activities: 10%
- STP managed by Incubators: 41%
- Incubation STP Core Activity: 29%
- Independently managed Incubators: 12%

**Number of resident companies**

- N/A: 29%
- 50 - 100: 21%
- 101 - 200: 16%
- 201 - 400: 13%
- 401 - 600: 13%
- 601 - 1,000: 13%
- >1,000: 3%
- Don't Know: 1%
More about STPs resident firms

Tenants Occupancy Rate

- N/A: 14%
- <20: 13%
- 21 - 40%: 1%
- 41 - 60%: 8%
- 61 - 80%: 14%
- 81 - 100%: 50%

Tenants’ Origin

- International: 8%
- National: 27%
- Regional: 29%
- Local: 22%
- N/A: 14%

Number of Employees

- Parks’ population (total employees)

- NA: 17%
- <300: 19%
- 300 - 800: 16%
- 800 - 1,500: 18%
- 1,501 - 3,000: 13%
- >3,000: 17%
**STPs factors of success**

Factors of Success (Ranked)

- Park image/prestige: 240
- Location: 232
- University presence: 231
- Institutional presence: 214
- Local demand: 176

**STPs success constraints**

- Slow property take-up: 129
- Lack of University collaborat.: 135
- Lack of trade / industry sup.: 139
- Government regulations: 47
- Slow tenant growth: 49
- Lack of public sector support: 159
- Lack of financial resources: 180

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**IASP: the largest network of STPs**

- The only worldwide network of STPs
- 385 members
- 73 countries
- +180,000 companies
- 5 Regional Divisions:
  - IASP Asia-Pacific
  - IASP Europe
  - IASP Latin America
  - IASP North America
  - IASP West Asia

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**International Association of Science Parks**

gathering the best