Status of the Pole Programme and cluster development in Hungary

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The Hungarian Pole Program is a comprehensive economic development program with strong focus on pole cities and cluster development.

Hungary in Europe

- 93,000 sqkms, 10 million inhabitants
- 8 pole cities in the 7 regions of Hungary

Source: PPO, EPAP
Concept of the Hungarian Pole Program

POLE CITIES
- Companies
- Chambers, civil org.
- Municipalities
- Universities, R+D institutions

CLUSTERS
- Pole innovation
- Accredited
- Developing
- Start-up

* Operational Programs, SIOP - Social Infrastructure OP, SROP – Social Renewal OP, CHOP – Central Hungarian OP, EDOP – Economic development OP, ROP – Regional OPs

Source: PPO, EPAP
Parameters of call for tenders for clusters in the four development phases

<table>
<thead>
<tr>
<th>Development level</th>
<th>Number of clusters* (pcs)</th>
<th>Source of funding</th>
<th>Supported activities</th>
<th>Subsidy for supported cluster or project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pole Innovation Clusters</td>
<td>-</td>
<td>EDOP</td>
<td>Services, Investments, Joint R&amp;D projects</td>
<td>EUR million 6 - 17</td>
</tr>
<tr>
<td>Accredited clusters</td>
<td>16</td>
<td>EDOP</td>
<td>Joint R&amp;D projects</td>
<td>EUR million 1 - 6</td>
</tr>
<tr>
<td>Developing clusters</td>
<td>21+</td>
<td>ROPs</td>
<td>Management, Joint services and investments</td>
<td>EUR million 0.2 - 0.8</td>
</tr>
<tr>
<td>Start-up initiatives</td>
<td>79+</td>
<td>ROPs</td>
<td>Management, Joint services</td>
<td>EUR million 0.06 - 0.2</td>
</tr>
</tbody>
</table>

* Supported clusters in the tenders of the Regional Operative Programs and the accredited clusters
Source: PPO, EPAP
Supported clusters in the ROP* start-up cluster calls

In the ROP start-up cluster calls 79 applications have been approved, with a total support amount of EUR 8 million

* Regional Operational Programs
Source: PPO, EPAP
Supported clusters in the ROP* developing cluster calls

In the ROP developing cluster calls 21 applications have been approved, with a total support amount of EUR 5.3 million

* Regional Operational Programs
Source: PPO, EPAP
ICT is a popular sector among the granted start-up and developing clusters.

- There are 100 clusters for which support has been granted.
- There are 12 ICT clusters among the supported applications.

### Sectors of the granted start-up and developing clusters (pcs)

- **Energy**: 12 pcs
- **Machinery/Automotive**: 12 pcs
- **Infocommunication technology**: 12 pcs
- **Environmental industry**: 11 pcs
- **Business services**: 8 pcs
- **Tourism**: 8 pcs
- **Construction**: 7 pcs
- **Food industry**: 6 pcs
- **Logistics**: 6 pcs
- **Healthcare**: 5 pcs
- **Education**: 4 pcs
- **Plastic/Packaging industry**: 3 pcs
- **Wood and furniture**: 3 pcs
- **Materials science**: 1 pc
- **Agriculture**: 1 pc
- **China and ceramics industry**: 1 pc

Source: PPO, EPAP
Seventeen clusters have been accredited up until now.
Most of the clusters operate in the South Great Plain and the Central Hungarian region.
Most of the clusters operate in the healthcare and ICT industry.

Source: PPO, EPAP
Accredited clusters in Hungary (2/2)

Central Hungary (5)
- Omnipack Packaging Cluster
- Mobility Multimedia
- Medical Biotechnology Innovation
- Medical Instruments Producers
- Waste Water Technology Innovation Cluster

North Hungary (1)
- EnIn Environmental Industry

North Great Plain (1)
- Pharmapolis Debrecen Innovation Medical Cluster

South Great Plain (6)
- PharmacoFood
- Goodwill Biotechnology
- Software Innovation Pole Cluster
- ArchEnerg Regional Renewable Energy and Construction
- 3P Plastic, Packaging, Printing Cluster
- Biomass Utilization Cluster

Central Transdanubia (3)
- First Hungarian e-Public Administration IT Innovative Cluster
- Pannon R+D+I+E
- PharmAgora Life Quality Cluster

South Transdanubia (1)
- Biotechnology Innovation Base

Source: PPO, EPAP
Mobility Multimedia Cluster

- Founded in 2007
- 48 members - 31 SMEs, 10 large enterprises, 7 higher education and research centres
- Objective: join scattered R&D capacities of the Hungarian mobile and multimedia technologies to strengthen international competitiveness
- Focus areas: mobile technology applications, multimedia content, intelligent and safe traffic applications, green IT solutions
- Major companies: Magyar Telekom (member of T-group), Ericsson Hungary, HP Hungary, [origo] Zrt.
- Web: www.mmklaszter.com

Pannon R&D and Innovation and Education Cluster

- Founded in 2006
- 18 members - 14 SMEs and 1 large enterprise
- Major projects: new generation micropayment systems, e-Medsolution, treatment of critical infrastructures
- Web: www.pannonpolus.hu

Source: PPO, EPAP
Accredited ICT clusters in Hungary (2/2)

First Hungarian E-administration, IT and Innovation Cluster

- Founded in 2007
- 30 members - 22 SMEs, 4 large enterprises, 2 universities, 4 others (municipality, foundation)
- Focus areas: health care IT (automated motion analysis system, mobile ECG), e-administration IT (complex IT mapping of workflows of authorities), environmental IT, innovative IT services to support business flows, mobile IT (automatic meter reading), geospatial IT
- Major companies: Albacomp IT, Delta IT, Axis Consulting, GraphIT, Stratis Management and IT Consultancy

Software Innovation Pole Cluster

- Founded in 2007
- 39 members - 28 SMEs and 5 large enterprise, 6 higher education institutions, research centres and other
- Focus areas: software quality, applications of embedded and mobile systems, applications of language and speech technology, health care applications, industry specific management solutions
- Web: www.infopolus.hu

Source: PPO, EPAP
Thank you for your attention!

www.polusprogram.eu

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### Advantages of cooperation

<table>
<thead>
<tr>
<th>Actor</th>
<th>Activity</th>
<th>Possible advantages</th>
</tr>
</thead>
</table>
| Municipalities, Chambers of commerce and civil organizations | - Defining clear development targets  
- Coordination of economic development | SOCIAL AND ECONOMIC ADVANTAGES |
| Universities and R&D institutes | - Running educational and research infrastructure  
- Building strategic relations | CREATION OF KNOWLEDGE |
| Companies | - Sustainable development  
- Achieving business and development goals | ECONOMIC GROWTH |

Source: PPO, EPAP
Accredited clusters and development projects in the Pole cities

- **GYŐR**
- **BUDAPEST**
- **MISKOLC**
- **DEBRECEN**
- **SZÉKESF.-VESZPRÉM**
- **PÉCS**
- **SZEGED**

- Healthcare
- Environmental industry
- ICT
- Construction / Energy
- Packaging
- Innovation and technology parks
- Infrastructural and IT development of a higher education institution
- Agora Pole project in progress

Source: PPO, EPAP