Smart specialisation and evolution of cluster policy in Hungary

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## Smart Specialisation in Hungary

### National and horizontal priorities **MUST!!!!!**

| Advanced technologies in the vehicle and other machine industries | Clean and renewable energies |
| Healthy local food | Agricultural innovation |
| Sustainable environment | Healthy society and wellbeing |

### Smart technologies (county level) **Advanced!!!!**

| Photonics, laser technology |
| Special, advanced, modern materials technologies |
| Bionics |
| Metal fabrication other than machine industry |
| Electronics and semiconductor technology |
| Modern hydrocarbon technology |
| Modern packaging technologies |
| Chemical industry |
| Building industry |
| Textile industry |
| Wood and furniture industry |
| Logistics |
| Cultural and creative industry |

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**Hungarian Government**

**European Union**

**Investing in your future**
S3 implementation in practice – Economic Development and Innovation OP

1. SME ≈ 1582 M EUR
2. R+I ≈ 1688 M EUR
3. ICT ≈ 455 M EUR
4. Energy ≈ 226 M EUR
5. and 6. Employment and training ≈ 2150 M EUR
6. ICT ≈ 455 M EUR
7. Tourism ≈ 361 M EUR
8. Financial Instruments ≈ 2352 M EUR

Industry policy

Projects must be in line with defined national priorities in S3

Capacity building
Modern business infrastructure
Entrepreneurship
Clustering, access to foreign market

Infrastructure and capacity
Business R&I
Strategic R&I cooperation

Energy
dig"d
Broadband

Employment programmes

Tourism
Sustainable development
Cultural and natural heritage

Employment programmes

Trainee programmes

Flexibility at work
Training

SME
R&I
ICT
Energy
and 6. Employment and training

SME
R&I
ICT
Energy
Tourism

European Union
European Structural and Investment Funds
INVESTING IN YOUR FUTURE

SZÉCHENYI 2020
<table>
<thead>
<tr>
<th>National industrial policy</th>
<th>National Smart Specialisation Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor vehicle manufacturing</td>
<td>Advanced technologies in the vehicle and other machine industries</td>
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<tr>
<td>Manufacturing of specialized machinery and equipment</td>
<td>Renewable energies</td>
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<tr>
<td>Green economy</td>
<td>Sustainable environment</td>
</tr>
<tr>
<td>Food industry</td>
<td>Agricultural innovation</td>
</tr>
<tr>
<td>Health industry and tourism</td>
<td>Healthy local food</td>
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<tr>
<td>Health industry and tourism</td>
<td>Healthy society and wellbeing</td>
</tr>
<tr>
<td>ICT</td>
<td>Inclusive and sustainable society, viable environment</td>
</tr>
<tr>
<td>Defence industry</td>
<td>ICT &amp; Services</td>
</tr>
</tbody>
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**INVESTING IN YOUR FUTURE**
Cluster picture in Hungary 2007-13

Do we need any specialisation?
## Cluster specialisation in Hungary

### 0. Strict Entry Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Co-operation inside the cluster</td>
<td>Max.: 20 points</td>
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<tr>
<td>II. Cluster management and the composition of the cluster</td>
<td>Max.: 30 points</td>
</tr>
<tr>
<td>III. International focus of the cluster</td>
<td>Max.: 24 points</td>
</tr>
<tr>
<td>IV. Innovation potential and performance</td>
<td>Max.: 26 points</td>
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</tbody>
</table>

### + Cluster strategy

Qualitative assessment
Cluster picture in Hungary
2017
Main goals for the next 3 years

10-15 TOP clusters with international visibility and market-oriented R+I projects

Strong basis of regional clusters specialised on their local strengths

Concentration of accredited clusters
- Assisting the cluster merging procedures;
- Number of cluster members (40 → 100) - most relevant players of the value chain;
- Professional cluster management;

Implementing market oriented projects
- Market oriented innovation;
- Launching Industry 4.0 solutions;

International visibility - At least two contracted international projects at each cluster
- As a result of cluster concentration, increasing number of participation in successful international partnerships (Horizon2020, COSME, INTERREG EUROPE etc.)

At least 3 cooperative projects at each cluster that have generated profit by selling their jointly developed products/services
Suggestion for the mid-term cluster development strategy in Hungary

**Professional clusters**

- Developed, but non-accredited clusters
  - Joint cluster track record
  - Support of the cluster management organisation
  - Service development for real collaboration
  - Stable membership

- Accredited Clusters
  - Outstanding results in cluster cooperation
  - Significant export potential
  - Primary support of cluster members’ projects
  - High innovation performance

**Start-up clusters**

- Establishment of cooperation
- Elaboration of the framework conditions
- Cluster mentoring

**Financial support (EDIOP)**

- Joint investment, Joint innovation, Management development
Thank you for your attention!

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