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- Visegrad Fund
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# Clusters in Slovak regions

conditions for creation and further development preconditions

# Research in cluster area at

The logo graphic consists of several overlapping squares in yellow, red, and blue, with a black crosshair-like structure overlaid on them.

**FSEER**

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- **IGS 02/2012** The problems of clusters' effectiveness measurement
- **IGS 01/2013** The models and approaches of clusters' performance measurement in conditions of the Slovak republic
- **IGS 1/2014** The cluster policy in the Slovak republic
- **IGS 1/2015** The evaluation of cluster potential in regional development
- **VEGA 1/0381/13** Evaluation of innovation potential of the business network in the early stages of its operation



# Cluster Typology in SR

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1. Technological
2. Tourism



# Legal form of clusters

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- Association of legal entities
- Civic association (Balnea cluster)

# Clusters in Slovak regions

Region	Technological clusters	Clusters of tourism
<b>Bratislava</b>	Danube knowledge cluster, ABC – Academic Business Cluster , National energy cluster, EMOCITY – Cluster for electro mobility and smart city	
<b>Trnava</b>	Automotive cluster –West Slovakia, Electrotechnic cluster West Slovakia, Energetic cluster, Energetic cluster Centrope, Cluster for Green and Innovative Technologies, Cluster „Agriculture and countryside“, Trnava-Myjava engineering cluster	Cluster of tourism – West Slovakia, Cluster Smolenice
<b>Trenčín</b>	Slovak IT cluster, KITEch cluster of innovative technologies for the handling of dusty inorganic waste	
<b>Nitra</b>	Slovak plastic cluster, Agro-environmental cluster, Food cluster, Bioeconomy Cluster, Cluster for Accumulation of Energy from OZE	Cluster Topoľčany
<b>Žilina</b>	Z@ict, Cluster of Liptov innovation and regional development, Cluster Monocrystal	Cluster Liptov, Cluster Turiec, Cluster Orava, Cluster Oravaregion, Cluster Orava - Regional Tourism, Organization
<b>Banská Bystrica</b>	1st Slovak engineering cluster, Cluster Triskel	Tourism association Balnea Cluster, Cluster Horehronie, The cluster of border castles, Cluster Kremnické vrchy
<b>Prešov</b>	Energetic cluster of Prešov region, Railway transport cluster	Cluster of tourism -Branisko-Barucheň, Cluster of tourism Slanské vrchy
<b>Košice</b>	BITERAP cluster , Cluster AT+R, Košice IT Valley, 1 <sup>st</sup> Spiš cluster, Cluster Radar, Technology Cluster for Earth Resource Utilization, Aviation Cluster Slovakia, Electrotechnical Cluster	

# Clusters according to SIEA (2009-2015)

Kraj	Technologické klastre	Klastre cestovného ruchu
<b>BA</b>	Dunajský vedomostný klaster ABC – Academic Business Cluster	
<b>TT</b>	Automobilový klaster - Západné Slovensko Elektrotechnický klaster – Západné Slovensko Energetický klaster Klaster pre podporu inovatívnych a zelených technológií	Klaster cestovného ruchu – Západné Slovensko
<b>TN</b>		
<b>NR</b>	Slovenský plastikársky klaster	
<b>ZA</b>	Z@ict	Klaster Liptov – združenie cestovného ruchu Klaster Turiec – združenie cestovného ruchu Klaster Orava – združenie cestovného ruchu
<b>BB</b>	1. slovenský strojársky klaster	Združenie CR Balnea Cluster
<b>PO</b>	Energetický klaster Prešovského kraja	
<b>KE</b>	BITERAP klaster Klaster AT+R Košice IT Valley z.p.o.	

Zdroj: <https://www.siea.sk/databaza-technologickych-klastrov/>,  
<https://www.siea.sk/databaza-klastrov-v-cestovnom-ruchu/>

Clusters according evidence in registers of **Association of legal entities** and evidence of **Civic Associations**

<b>Region</b>	<b>Clusters</b>
Bratislava	4
Trnava	11
Trenčín	3
Nitra	5
Žilina	7
Banská Bystrica	6
Prešov	4
Košice	8



# Clusters according to spatial targeting

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- Regional
- Cross-regional
- Euroregional





# Stakeholders

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- City, Regional Self-Government
- SME
- Universities
- Other business entities
- Compettitors
- Non governemental organizations
- Medias



# Cluster policy - findings

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## **Legislative framework**

- Legislative does not exist
- Cluster strategy is not established
- The cluster support is missing



# Legislative preconditions

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- At the level of regions
  - Regional innovation strategies
  - Cofinancing from other initiatives from EU funding
  - Programmes of economic and social development of regions
  - Strategy of industry development (TTSK)
  - Strategy of tourism development (TTSK)



- National level

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- Partnership agreement 2014 – 2020,
- Operational programme of Research and Innovation



# Support (2007 – 2013)

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- **Ministry of education SR (2012)** – support of research and technology services .
- **Ministry of economy and SIEA (2013 - 2015)** - Scheme de minimis support: **Scheme for supporting of technological clusters organizations** in a for of funding of state budget
- **Several programs for cross regional national and inter regional cooperation** (2007-2013) INTERREG IVC a ENPI CBC SR – Ukrajina – MR - Rumunsko, PL – SR 2007-2013), SR-ČR, SR-AT)
- **7. Framework programm**



# Support (2014 -2020)

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- **Competitiveness and Innovation Framework Programme (CIP)**
- **RIS3** - Research and Innovation Strategy for Smart Specialisation of the Slovak Republic
- **Operational programm for Research and Innovation 2014-2020**
- regional integrated territorial strategies(RIÚS),
- Regional innovation ecosystems and innovation hubs within TURM
- Others operational programmes (IROP)



# Scheme to promote industrial cluster organizations 2015

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1. **Slovenský plastikársky klaster**, Zvýšenie konkurencieschopnosti členov Slovenského plastikárskeho klastra prostredníctvom spoločnej kooperácie a vzdelávania - "PLASTCOOP,,
2. **1. Slovenský strojársky klaster**, Zvýšenie konkurencieschopnosti členov 1. slovenského strojárkeho klastra prostredníctvom vytvorenia technologickej mapy 1.ssk a prezentáciou na Medzinárodnom strojárskom veľtrhu Brno 2015
3. **Elektrotechnický klaster - Západné Slovensko**, Konkurencieschopnosť podnikov a kooperácia Elektrotechnického Klastra
4. **CELIM Slovakia**, Trnava, Posilnenie medzinárodného postavenia CELIM Slovakia
5. **Klaster AT+R z p. o.**, Aktívna účasť Klastra AT+R pri realizácii RIS3 SK cez európske a národné programy
6. **Združenie pre rozvoj regiónu Horná Nitra**, Zvyšovanie inovačnej kapacity klastrovej spolupráce prostredníctvom vzdelávania a rozvoja medzinárodnej spolupráce v trenčianskom regióne
7. **NEK**, Špeciálny vzdelávací program pre energetické a ekologické inovácie pri tvorbe projektov



# Conclusion

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- Various typology
- Decentralized cluster policy
- Non conceptual forms of support
- Problematic subsidy policy





# Thank you for attention

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