



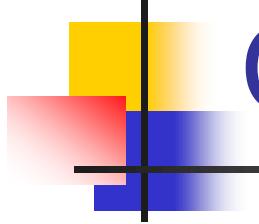
- Visegrad Fund
-
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Clusters in Slovak regions

conditions for creation and further development preconditions

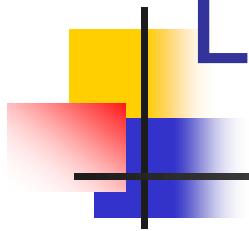
Research in cluster area at FSER

- 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

1. Technological
2. Tourism



Legal form of clusters

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

Clusters in Slovak regions

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

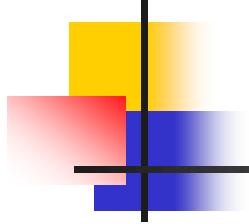
Clusters according to SIEA (2009-2015)

Kraj	Technologické klastre	Klastre cestovného ruchu
BA	Dunajský vedomostný klaster ABC – Academic Business Cluster	
TT	Automobilový klaster - Západné Slovensko Elektrotechnický klaster – Západné Slovensko Energetický klaster Klaster pre podporu inovatívnych a zelených technológií	Klaster cestovného ruchu – Západné Slovensko
TN		
NR	Slovenský plastikársky klaster	
ZÁ	Z@ict	Klaster Liptov – združenie cestovného ruchu Klaster Turiec – združenie cestovného ruchu Klaster Orava – združenie cestovného ruchu
BB	1. slovenský strojársky klaster	Združenie CR Balnea Cluster
PO	Energetický klaster Prešovského kraja	
KE	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/>

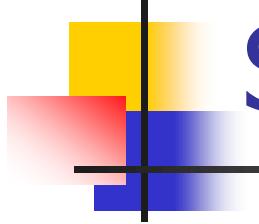
Clusters according evidence in registers of Association of legal entities and evidence of Civic Associations

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



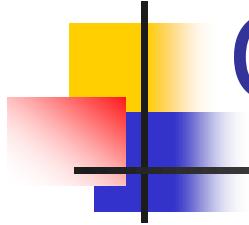
Clusters according to spatial targeting

- Regional
- Cross-regional
- Euroregional



Stakeholders

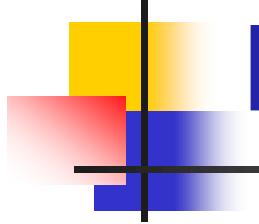
- City, Regional Self-Government
- SME
- Universities
- Other business entities
- Competitors
- Non governmental organizations
- Medias



Cluster policy - findings

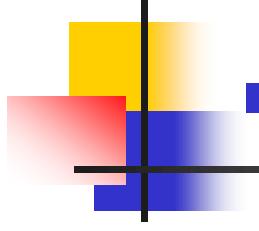
Legislative framework

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



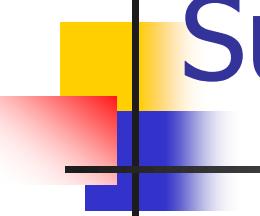
Legislative preconditions

- 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)



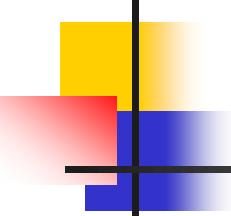
National level

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



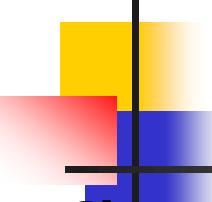
Support (2007 – 2013)

- **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 form 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



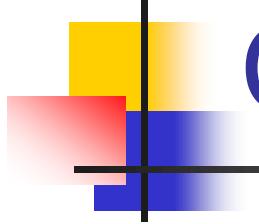
Support (2014 -2020)

- **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)



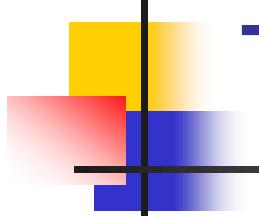
Scheme to promote industrial cluster organizations 2015

1. **Slovenský plastikársky klaster**, Zvýšenie konkurencieschopnosti členov Slovenského plastikárskeho klastra prostredníctvom spoločnej kooperácie a vzdelávania - "PLASTCOOP,"
2. **1. Slovenský strojárenský klaster**, Zvýšenie konkurencieschopnosti členov 1. slovenského strojárskeho 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

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



Thank you for attention

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