

SUSTAINABILITY OF THE INDUSTRIAL CLUSTERS IN SLOVAKIA

SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA
FACULTY OF ARCHITECTURE AND DESIGN

doc. Ing. arch. Ľubica Ilkovičová, PhD.
doc. Ing. arch. Ján Ilkovič, PhD.
Ing. arch. Yakoub Meziani, PhD.

S U P P L E M E N T A R Y M A T E R I A L



Table 1. Overview of Slovak regions with localities suitable for cluster developments

No	Region	Total number of localities	I. Very suitable	II. Suitable	III. Less suitable	IV. Unclassified
1.	Banskobystrický	76	15	40	20	0
2.	Bratislavský	21	1	13	7	0
3.	Košický	76	22	32	17	1
4.	Nitriansky	87	10	47	12	17
5.	Prešovský	71	16	44	10	3
6.	Trenčiansky	96	6	42	37	11
7.	Trnavský	62	4	37	21	3
8.	Žilinský	40	9	23	7	0
All-in		529	83	278	131	35

Sources

https://www.minzp.sk/files/postupy-a-ziadosti/posudzovanie-vplyvov-na-zp/dokumenty/9-sprava_kap_1_az_8.pdf

1a Models of clusters_results

Aplication on examples

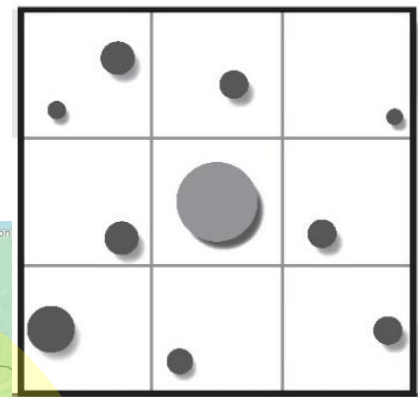
Decentric model

3



Industrial park Kysucké Nové Mesto

Industrial parks Region Žilina and environs

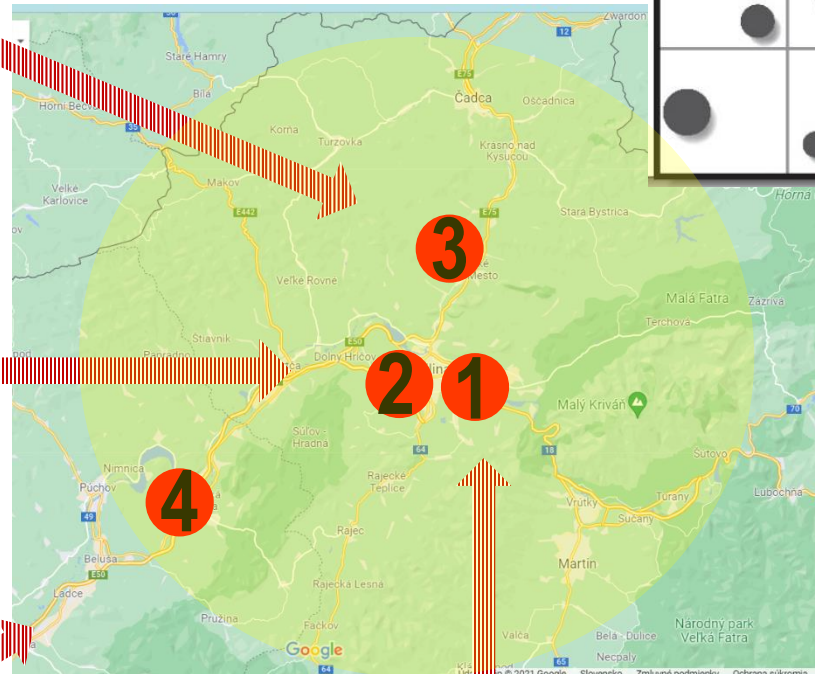


Decentric
model

2



Industrial park Žilina_Tento



4



Industrial park
Púchov

Industrial park
Žilina East

1



1b Models of clusters_results

Application on examples

Centric model – indirect links



1



2

<https://stavbaroka.zoznam.sk/portfolio/zkw-krusovce-expansion-vyrobného-areálu>

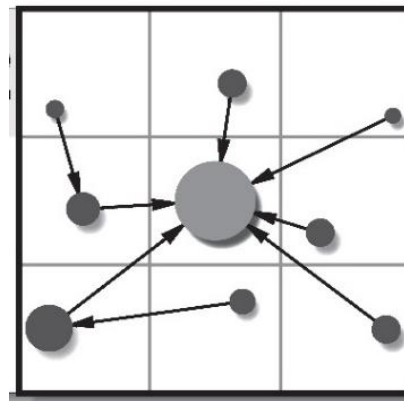


3

<http://www.pppoprad.sk/galeria.html>



3



Centric model
— indirect links



Krušovce → Nitra ← Poprad

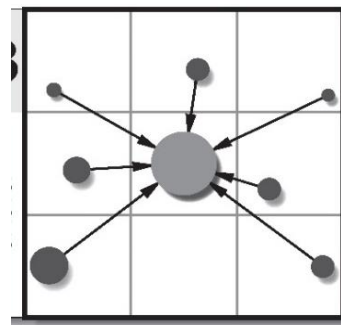


<https://rodinnestriebro.tasr.sk/picture.php?/520>
Jaguar Land Rover

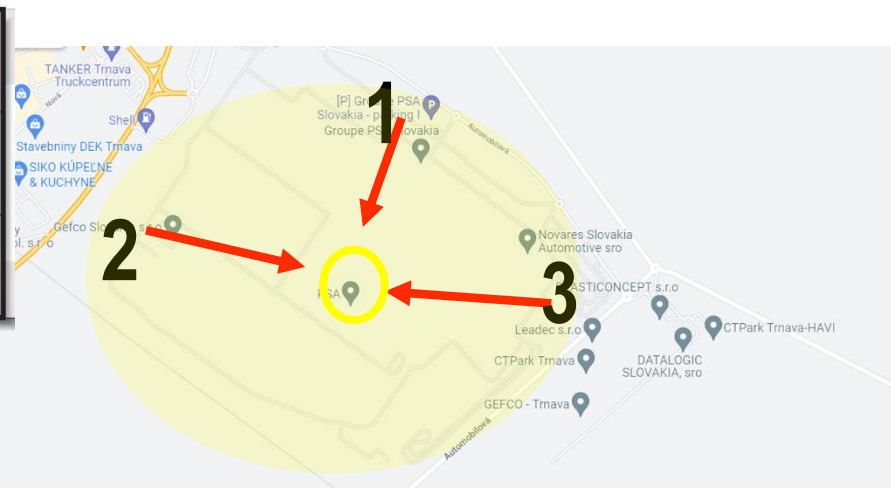
1c Models of clusters_results

Application on examples

Centric model – direct links



Centric model
– direct links

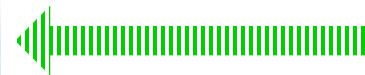
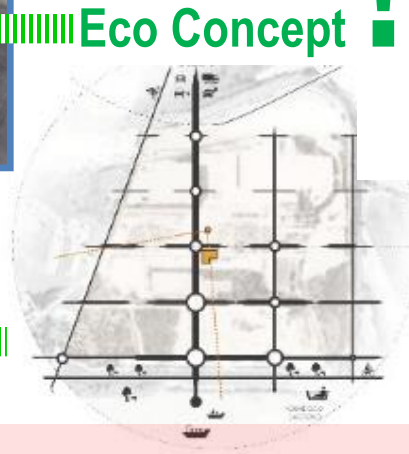
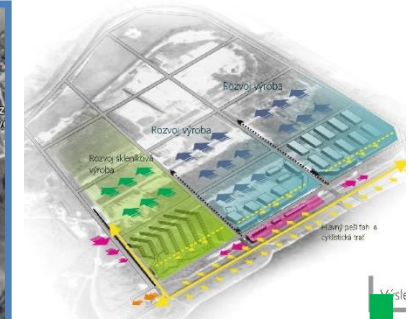
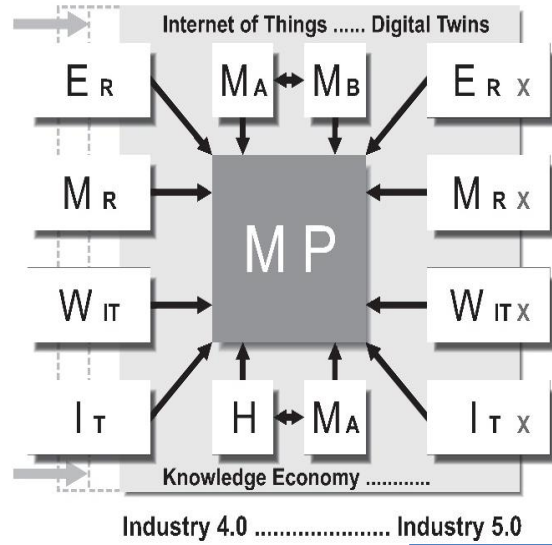


Groupe PSA Slovakia _ TRNAVA

photo sources: Ilkovič, J. Novodobý fenomén výroby–priemyselný park (poznatky teórie a architektonickej praxe). (New production phenomenon – industrial park (knowledge from theory and architectural practice)). *Životné prostredie* **2002**, 36, 185-190, (in Slovak).

2 Phenomenon – architecture and sustainability of clusters

Phenomenon – architecture and sustainability of clusters



Megatrends influence

M_A to M_B communication

E_{R-X} - Energy renewable

M_{R-X} - Material recycled

W_{IT-X} - Work with Information Technology

Example: Study of SCIENCE TECHNOLOGY CENTER- GABCIKOVO
Authors research and diploma thesis_Matus Godis _ supervisor Meziani