



The possibilities in the economical development of the local governments

PhD-workshop
Szeged

Goals of paper



- To define the theses of research
- Identify the fields of environment of settlements
- Defined the different roles of local governments
- Find relations between the toolkits of roles and the fields of environment
- Show the possibilities of mathematical modelling

Theses

1. The aim of the local governments is to adapt to the environmental terms by changing one or more environmental factors.
2. The effective environmental factors are covered by the range of the PESTEL analysis.
3. The wanted economic developmental goal and the results of the development could exactly be identifiable by the PESTEL analysis.
4. Because of the diversified roles of the Hungarian local governments they are equally able to enhance or weaken each other.
5. By using the devices systemically, the development by the previously fixed objectives is available for the affected economy of the settlement.

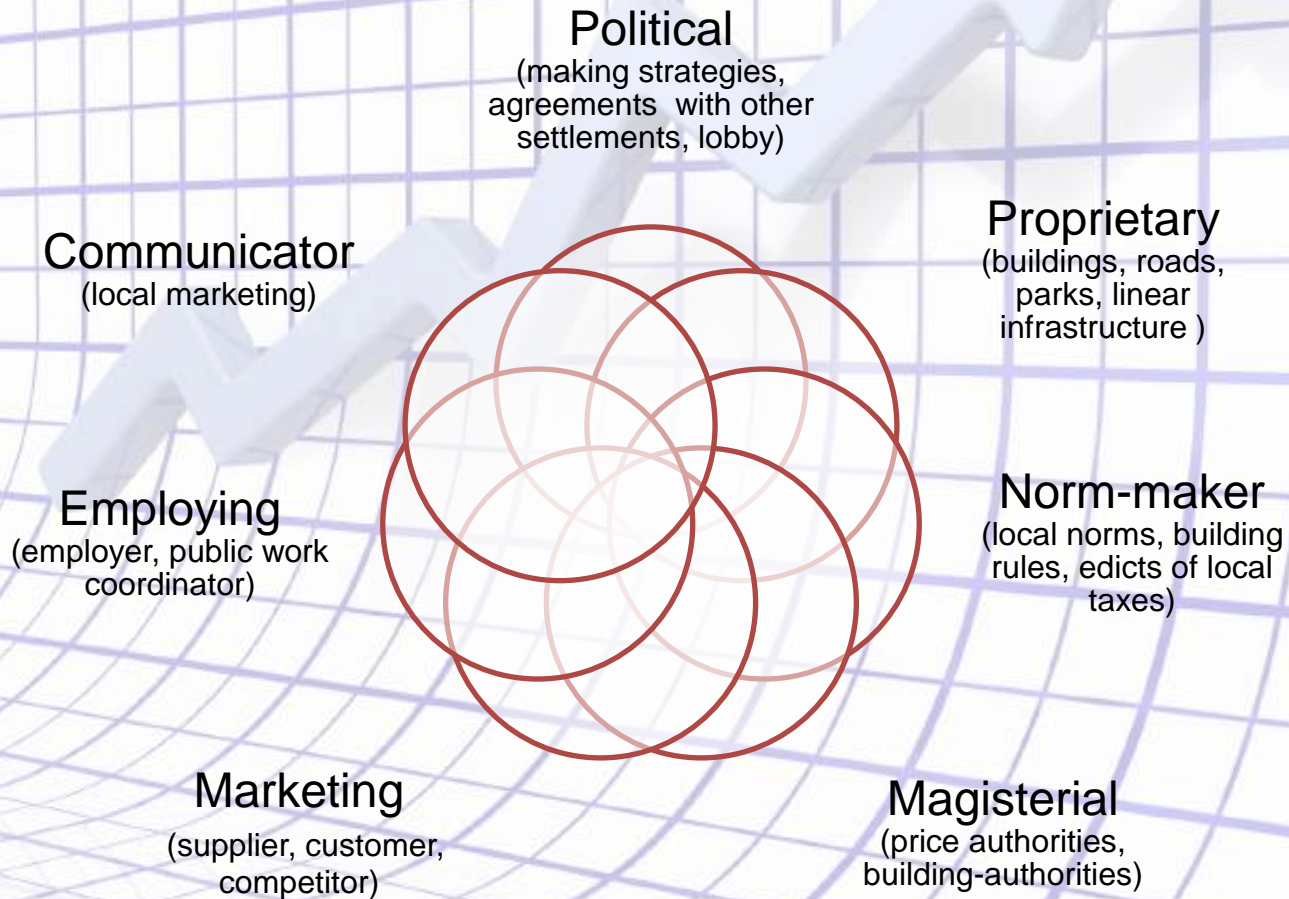
Environmental factors



The parts of PESTEL analyses:

- P – Political
- E – Economical
- S – Social
- T – Technological
- E – Enviromental
- L – Legal

Roles of municipalities



The effects-devices matrix

Environmental factor (effect) Local governments function (device)	Political	Economic	Social	Infra- structural	Ecological	Legal
Political	X	X	X	X	X	X
Norm-maker	-	X	X	X	X	X
Proprietorial	-	X	-	X	X	-
Magisterial	-	X	-	X	X	-
Marketing	-	X	-	-	-	-
Employer	X	X	X	-	-	-
Communicator	X	X	X	-	-	-

Further research possibilities

- To each fields, rows and columns of the matrix could be assigned indicators
- Develop tools to count the indicators
- Develop the indicator-system to the level of defining goals and planning economy

Environmental factor (effect) Local governmental function (device)	Political	Economic	...	Effect-specific indicator (ESM)
Political	SZM _P P	SZM _P G	SZM _P H	ESM _P
Norm-maker	SZM _N P	SZM _N G	SZM _N H	ESM _N
...	SZM _E P	SZM _E G	SZM _E H	ESM _{...}
Effect-specific indicator (HSM)	HSM _P	HSM _G	HSM ...	ASM ₁ ASM _N



**Thank you
for your attention!**

Endre Lendvay

Szent István University, Gödöllő

Regional Sciences Doctoral (PhD) School

lendvay.endre@responsum.hu