



Szent István University Faculty of Economics and Social Sciences  
Institute of Regional Economics and Rural Development  
and  
Institute of Economic Law and Public Administration



# Some additions to sustainable development in Visegrad Countries

Presentation by Tibor László, Csegődi dr.

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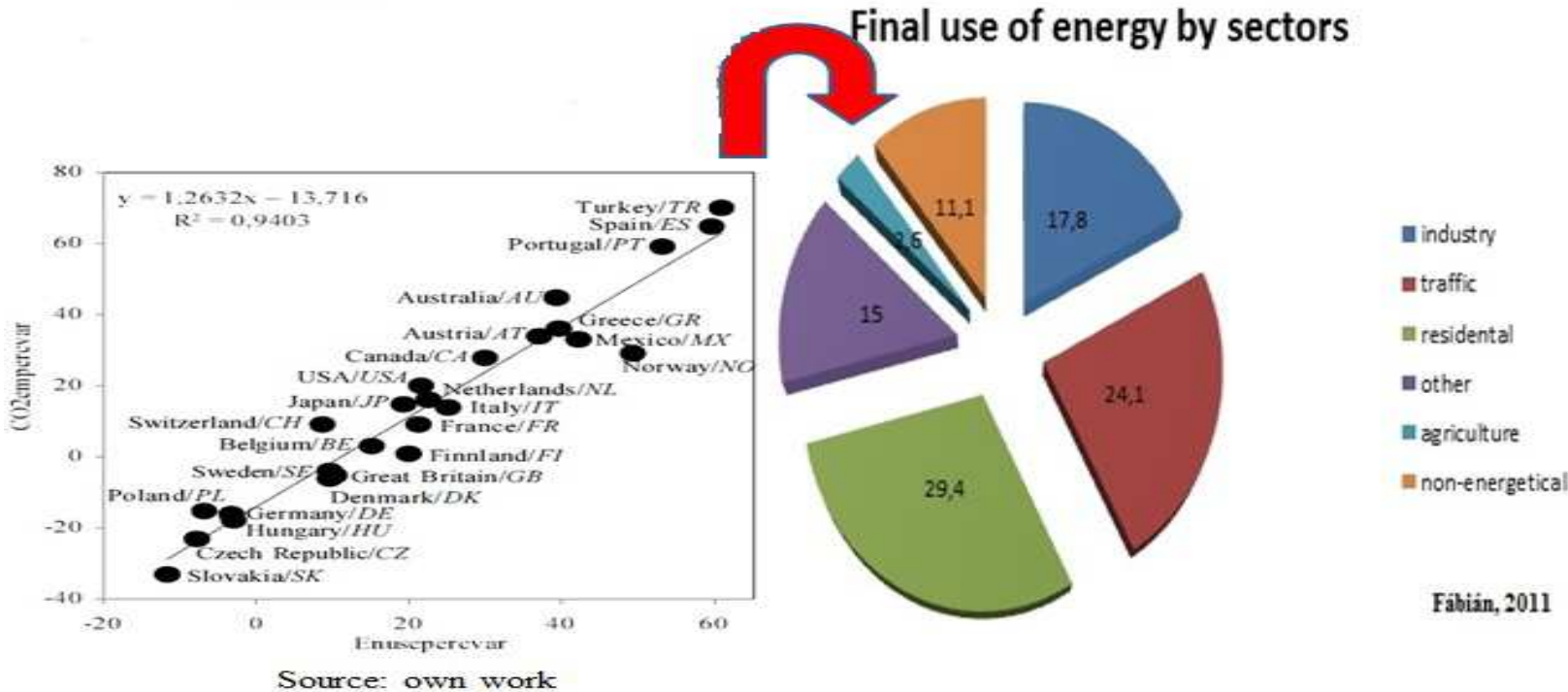




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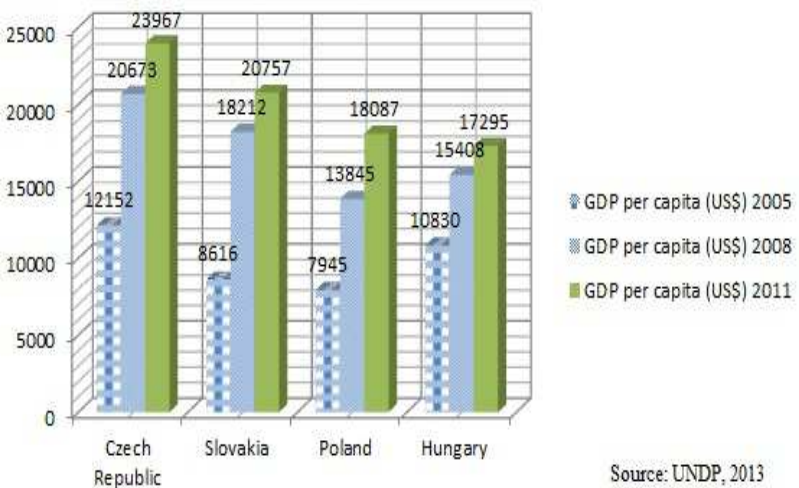
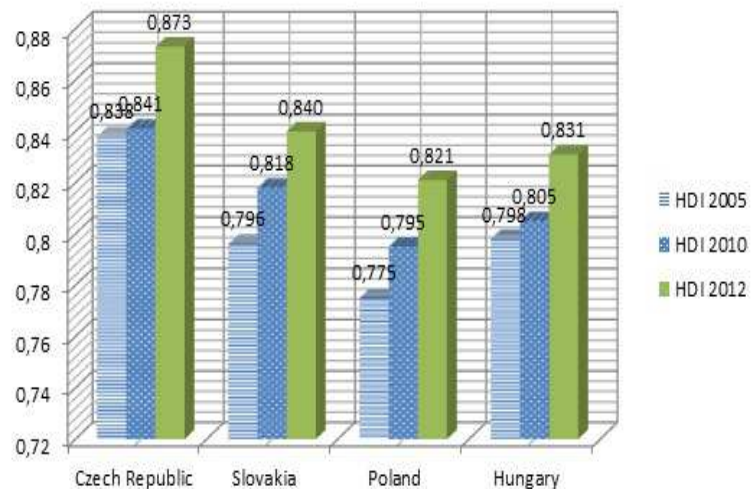


- Two related environmental – energetic problems in CEE are **energy poverty (and waste of energy) – energy dependence!**
- Although (creating) energy efficiency is...
  - **legal obligation** (EUROPA 2020 document, European Energy Policy [COM/2007/1], 2006/144/EC European Council Decision on Community, Opinion of the Committee of the Regions about energy efficiency, 2010/31/EC directive and 244/2012/EC decree about energy efficiency standards of various buildings)
  - **economic necessity** (energy is expensive, and related security risks)
  - **liability to the environment**



There is a **two-way relationship between economic growth and climate change**:

- "anomalously warm years reduce both the current level and subsequent growth rate of GDP in developing countries,," (The World Bank, 2010)
- the developed countries need more and more energy to rise their GDP-level but their energy production rises the greenhouse gas level in the atmosphere.

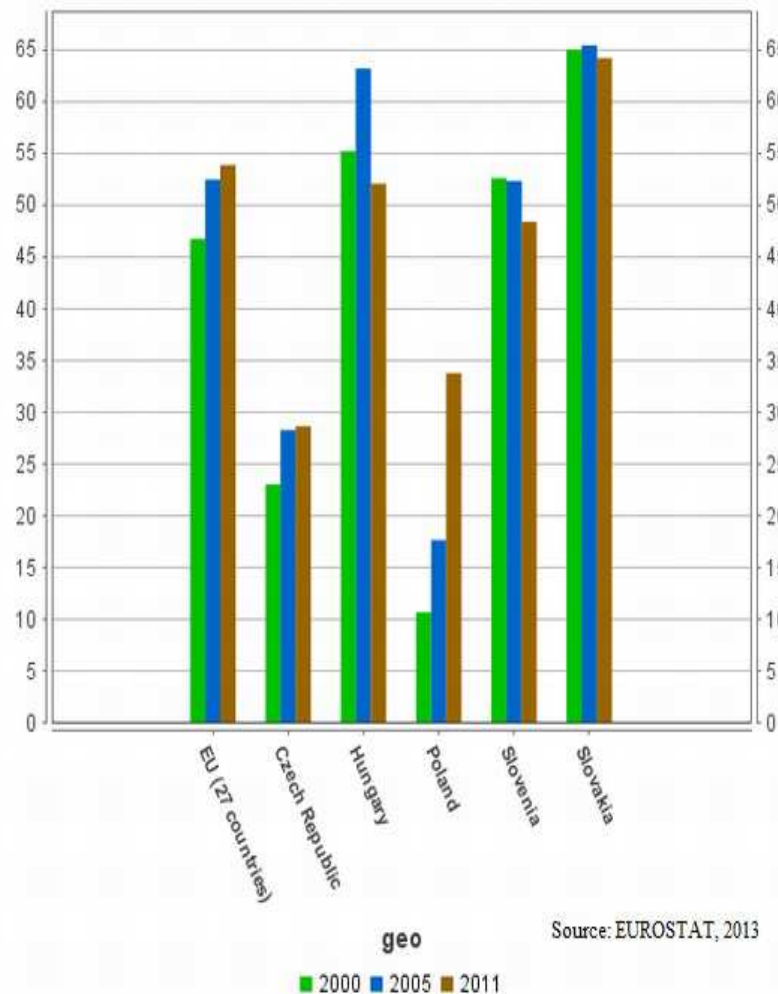


Source: UNDP, 2013

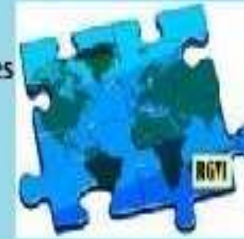
### Energy dependence

%

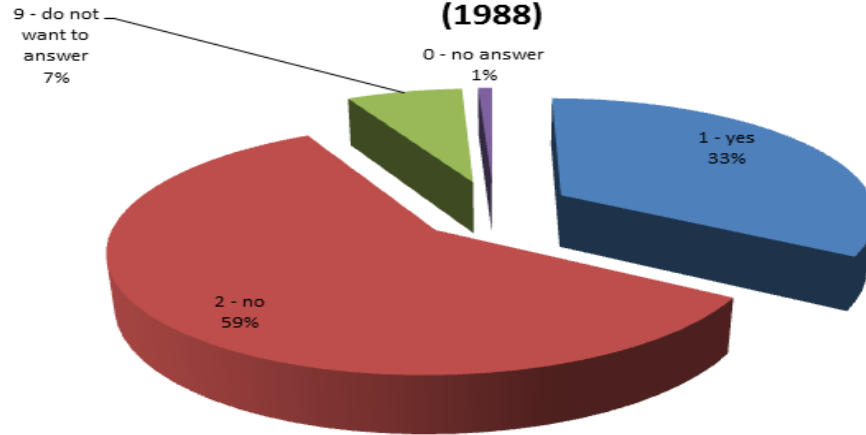
Total



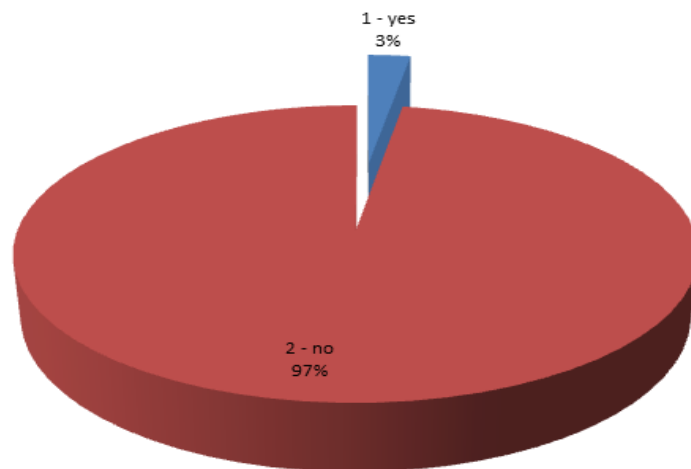
Source: EUROSTAT, 2013



**73\_9: Pollution is hand in hand with economic development, we cannot do anything about it (1988)**

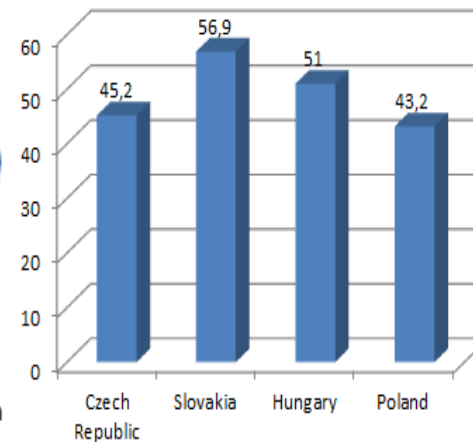


**74: Are you a member of any environmental protection association? (1988)**



2013.04.25.

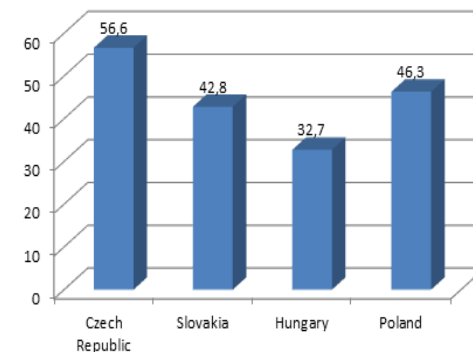
**Perceptions about environment - humans cause global warming % yes, 2006-2010**



■ Perceptions about environment - humans cause global warming % yes, 2006-2010

Source: UNDP, 2011

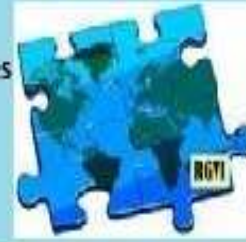
**Perceptions about environment - Satisfaction with actions to preserve environment (% satisfied) 2006-2010**



■ Perceptions about environment - Satisfaction with actions to preserve environment (% satisfied) 2006-2010

Source: UNDP, 2011.





**difficulties of self-preservation**

**MUNICIPALITIES**

**(energy) waste and poverty**

**PERSON, HOUSEHOLDS**

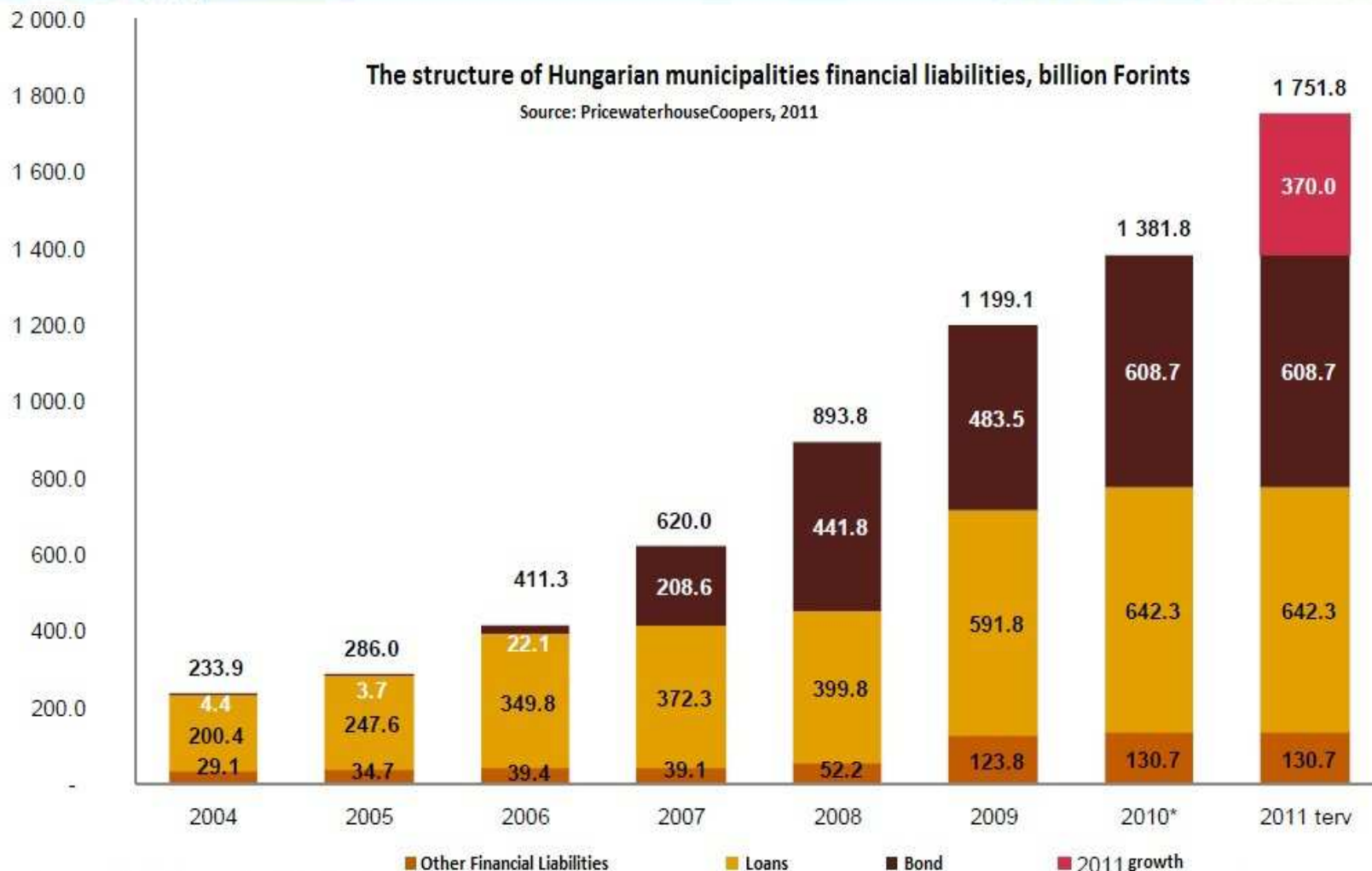
**cost of home maintenance  
and household energy is  
high**

**spiraling debt,  
unemployment**

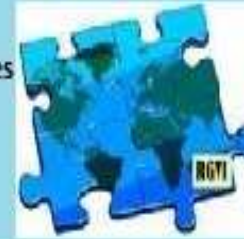
**many municipal buildings  
are too old**



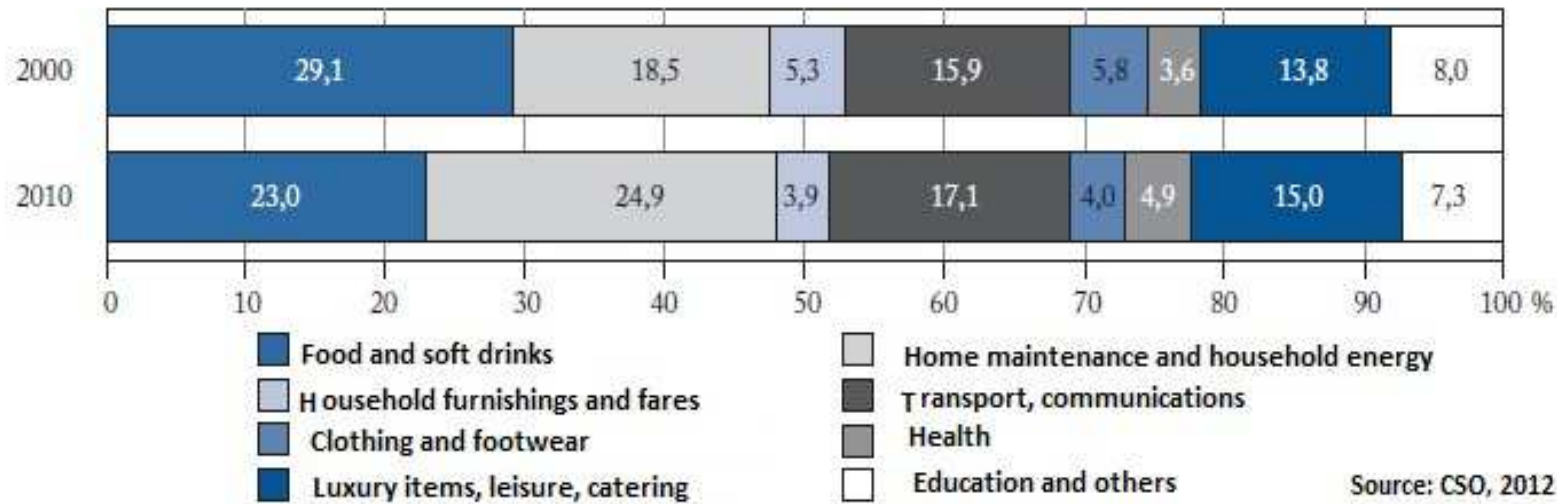
Source: own work



\* The source of data is Hungarian National Bank



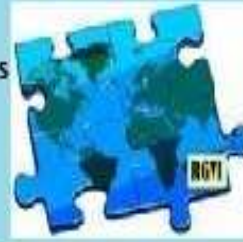
The structure of per capita expenditures



**Hungarian local governments spent 100 billion HUF (345 million Euros – current exchange rate) to pay power bills in 2009.** The price of gas energy to municipalities 12,3 times higher now than in 1994. The price of electricity to municipalities 6,6 times higher now than in 1994.

According to Zsolt Fábián, Deputy Major of Gödöllő, the total energy cost of Gödöllő – in 2010 – was 700 million HUF.





**difficulties of self-preservation**

**MUNICIPALITIES**

**(energy) waste and poverty**

**spiraling debt,  
unemployment**

**many municipal buildings  
are too old**

**assess the energy efficiency potential**

**many municipalities do not  
know their own energy  
consumption rate**

**no money, no will and no  
specialists to solve energy  
efficiency problems**

**PERSON, HOUSEHOLDS**

**cost of home maintenance  
and household energy is  
high**

**energy efficiency  
firstly investment  
then saving, so the  
persuasion is  
important**

Source: own work





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**assess the municipals energy efficiency potential; create energy efficiency in public buildings**

**participate applications to achieve the goals easily**

**employ professionals (min. one professional each settlement which has more than 1000 inhabitants)**

**energy efficiency and climate protection considerations appear in local regulations and everyday practice**

**measures taken in favor of public, use local energy sources to create jobs**

**build and operate heating plants in order to make available the efficient energy supply for locals**

**communicate the achievements properly to local inhabitants, and to the county/region/country...**

**shaping the public consciousness by bring up locals to climate protection and efficient use of energy**

**climate protection and saving money by energy efficiency measures, and forming locals to a real community**



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**Thanks for your kind attention!**

