

One in ten deaths in Visegrad countries may be directly linked to air pollution and the high levels of particulate matter (PM). In Poland the annual average concentration of PM is close to the EU limit value of  $25 \mu g/m3$ , meaning during the heating season urban concentrations could be even several times higher.



Comment: 2013 data Source: Eurostat

PM<sub>2,5</sub> The most dangerous kind of particulate matter. The diameter of the particles is less then 2,5 microns. (μm – 1 millionth of a meter) When inhaled, particles under 10μm get beyond the pharynx, under 4 μm reach the lungs, while most of the particles under 2,5 μm will remain in there.

Commissioned by E3G – Third Generation Environmentalism.



PARTICULATE

MATTER

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or waste incineration.

These are very small (2 – 10 microns) liquid or solid particles

combustion in diesel engines, the burning of coal and wood,

suspended in air. Its main source is soot from incomplete









Infographics: injotandem

## HOUSEHOLD ENERGY CONSUMPTION

There are significant differences in household energy consumption between the V4 countries. In Poland, coal is still the main source, while in Hungary and Slovakia, natural gas accounts for over half of residential energy consumption. Meanwhile renewables are leading in Austria.



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## ENERGY INTENSITY

It takes nearly three times more energy to produce one unit of GDP in Czech Republic than in Austria. Within the V4 group Hungary has the best energy intensity figure, though that is still well behind the EU average. How much energy is used to produce a unit of GDP compared to the EU average?



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**CZECH REPUBLIC** 

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POLAND

**SLOVAKIA** 



HUNGARY





FINLAND



Comment: 2013 data

**EU28** 

Infographics: injotandem

Source: Eurostat

AUSTRIA

## RENEWABLE ENERGY

Austria stands out in the region in the use of renewables, especially when it comes to electricity generation. The share of renewable energy in total energy consumption is below 10% in the entire Visegrad 4. In Hungary, the 10% renewable share is not reached, even in power consumption.

APPLIED COMMUNICATIONS

SHARE OF RENEWABLES WITHIN ELECTRICITY CONSUMPTION



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65

**AUSTRIA** 

771

103

Source: EurObserve'ER; ETC/ACM

SPAIN

4 787

91

Infographics: infotondem



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Infographics: infotondem



Per capita, CO<sub>2</sub> emissions in the Czech Republic are twice as high as in Hungary, which is mainly due to the high share of fossil fuels in the Czech energy mix. In Poland coal is even more dominant within the fuel mix. While Finland's high per capita emissions are due to their outstanding energy consumption per capita due to the cold weather.



Készült az E3G – Third Generation Environmentalism megbízásából.

Partnerek: Energiaklub Szakpolitikai Intézet és Módszertani Központ (HU) Centre for Transport and Energy (CZ) | Glopolis (CZ) | Polish Ecological Club (PL)





Infografika: infotandem

## THE IMPACTS OF CLIMATE CHANGE

The majority of the Hungarians already feels the impacts of climate change in their everyday life and are gravely concerned about these. Four-fifth of the people are worried that these problems will endanger their health.



Source: Energiaklub survey, 1600 questionnaire, July 2015, nationally representative sample

Infographics: infotondem

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