



Spending Review of Environment

Marianna Bendíková

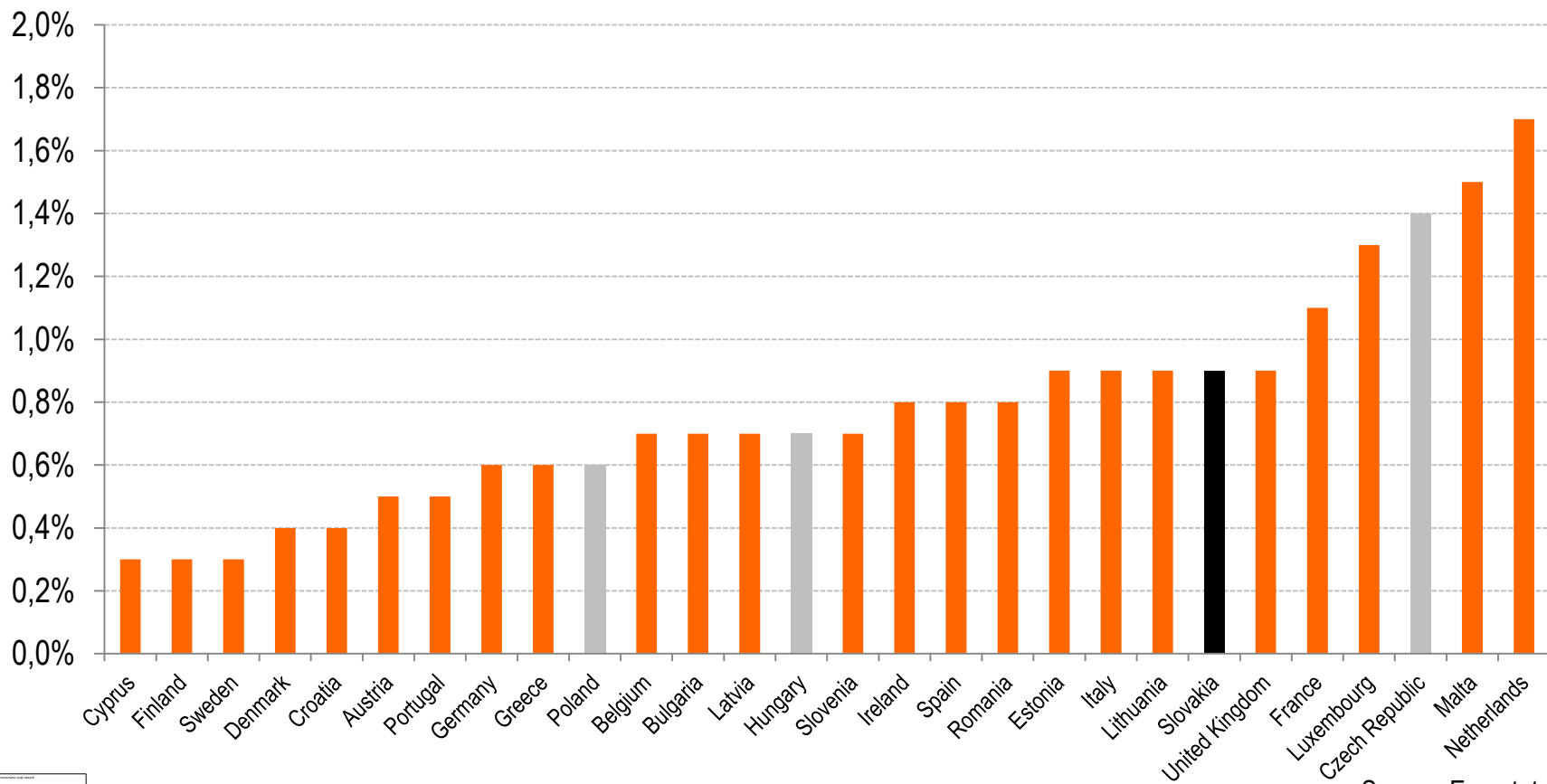
Institute for Environmental Policy (IEP)

Ministry of Environment of the Slovak Republic



Above average spending on environment

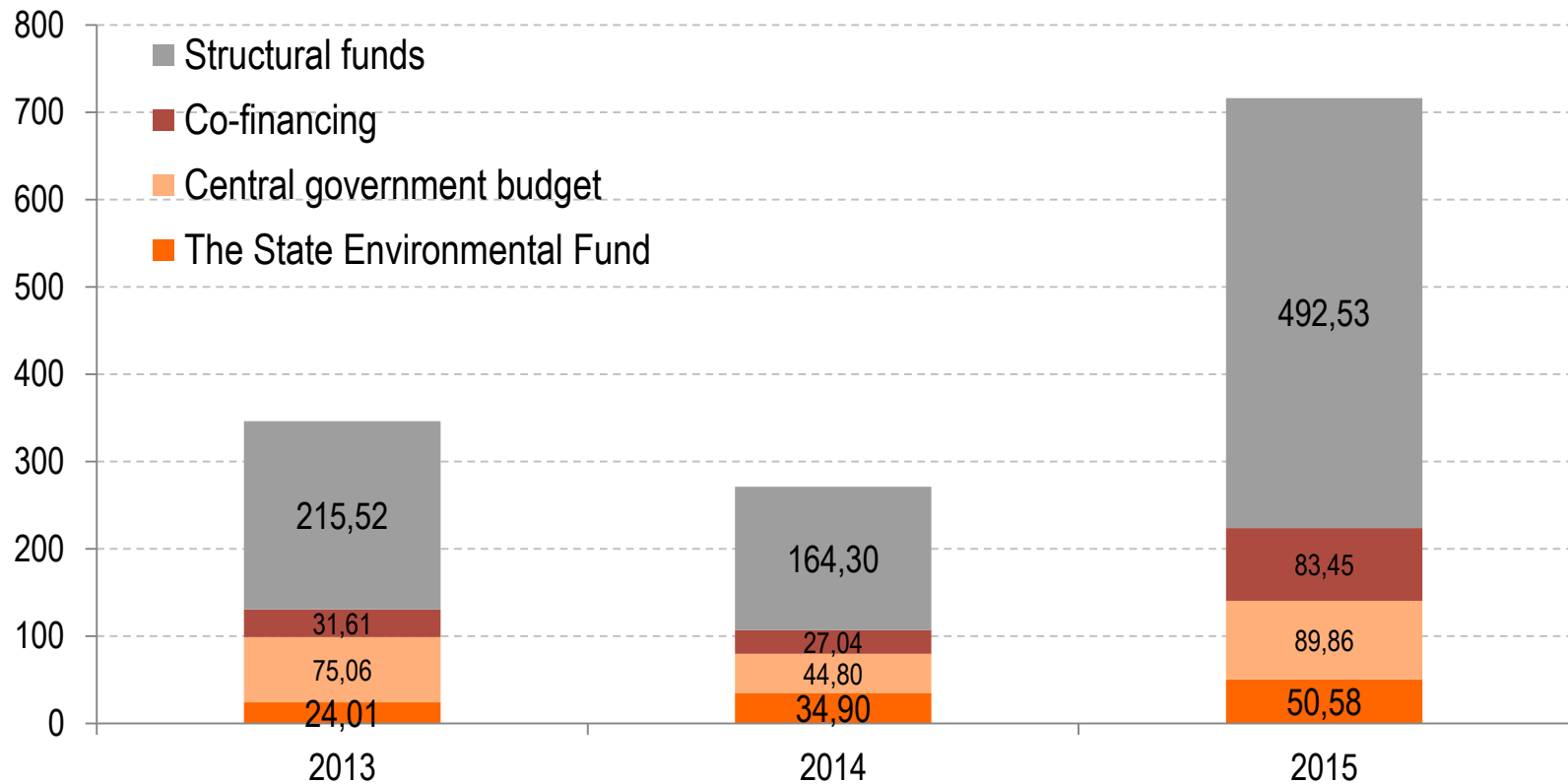
Environmental protection expenditure of the public sector, as % of GDP, 2014



Source: Eurostat

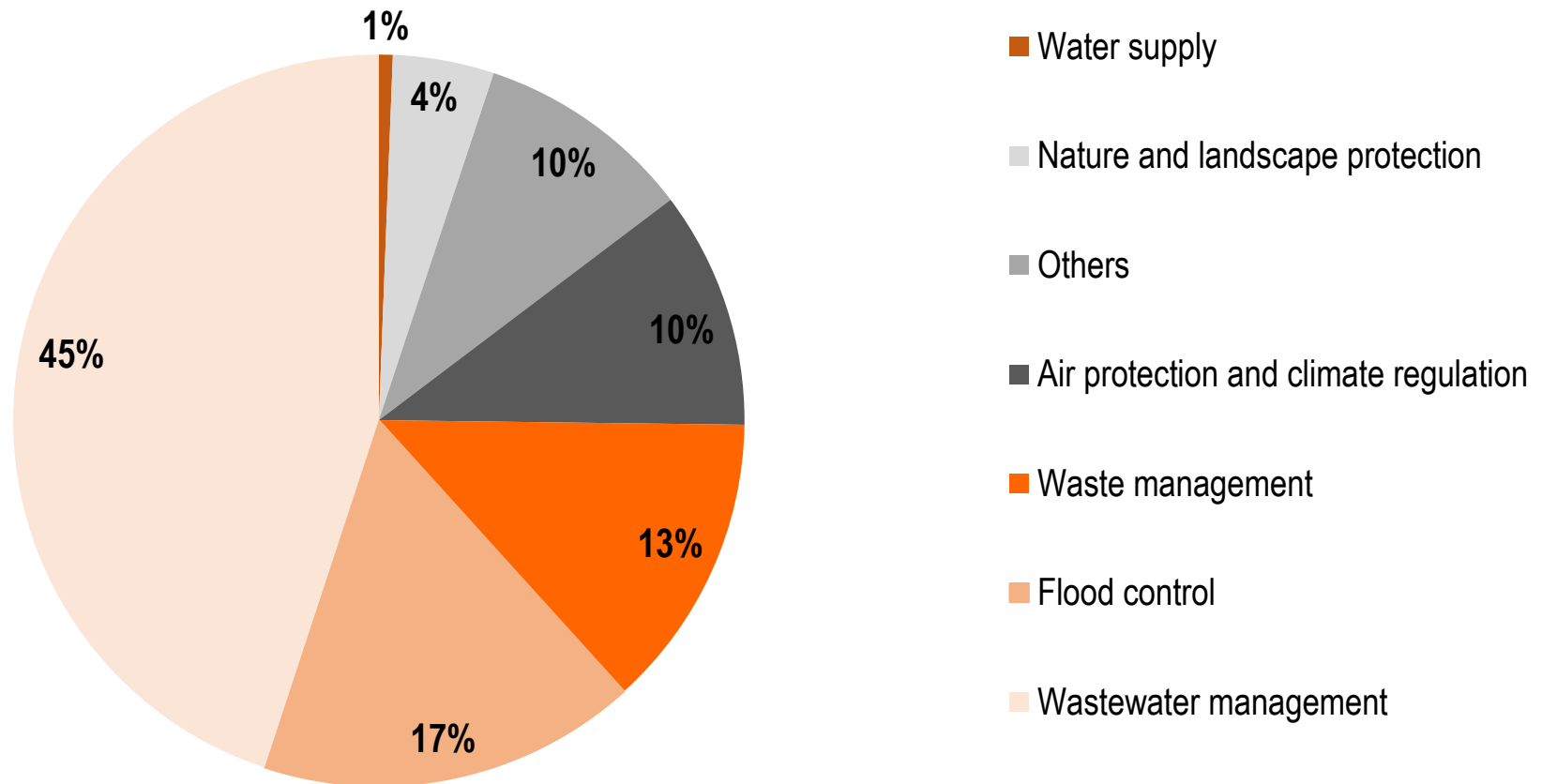
... which relies heavily on EU funds...

The volume of financial resources, M. €



Source: RIS

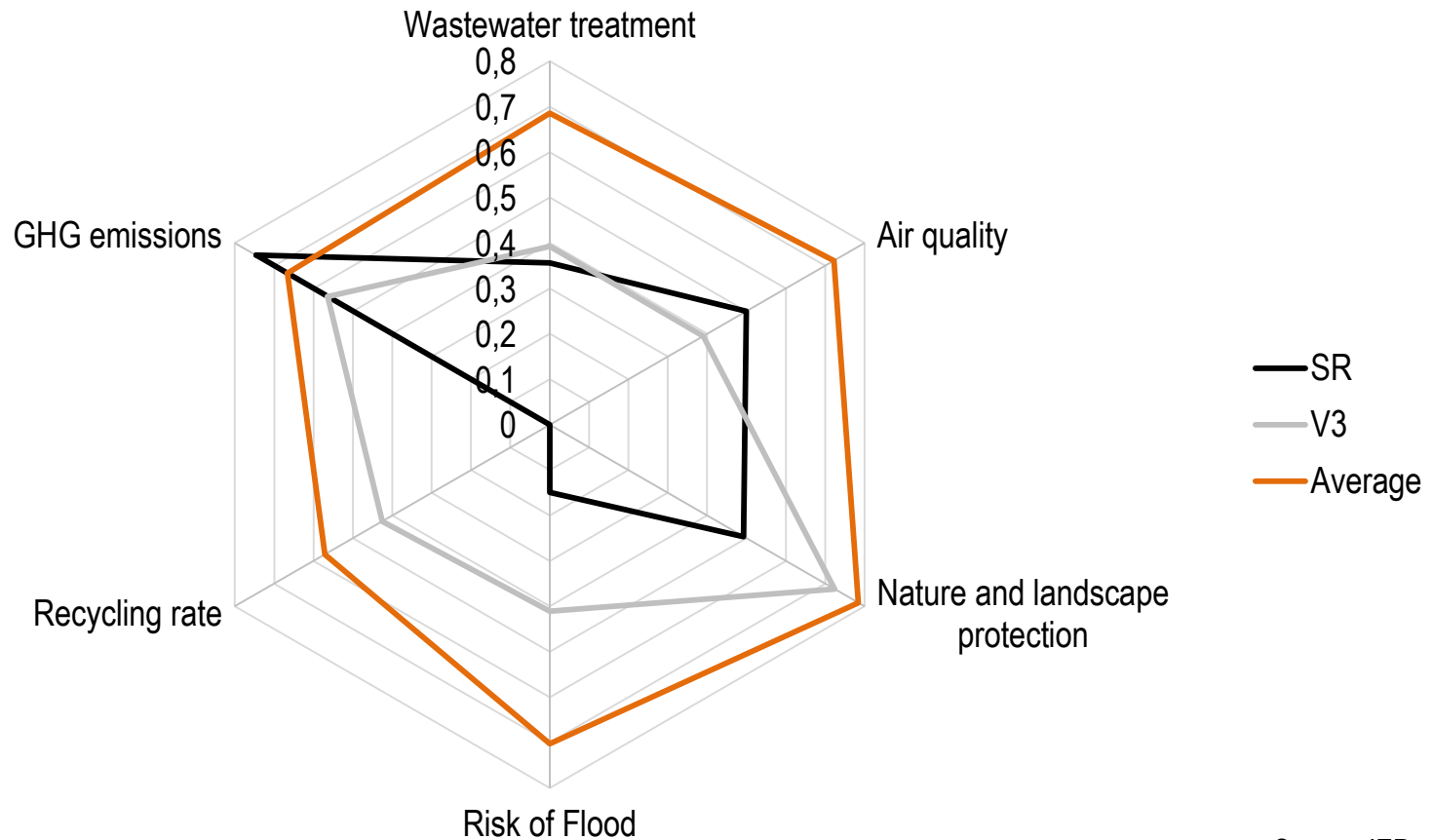
| ...are spent mainly on wastewater and waste management and flood control



Source: RIS, 2015



However, outcomes are still poor in most areas



Source: IEP



We would like to

- monitor and assess performance of different areas of environment,
- quantify possible savings
- reallocate resources to areas with higher value

How we do it

- comparing outcome indicators and inputs (money), benchmarking among projects, Slovak districts and regions or international comparison depending on data availability

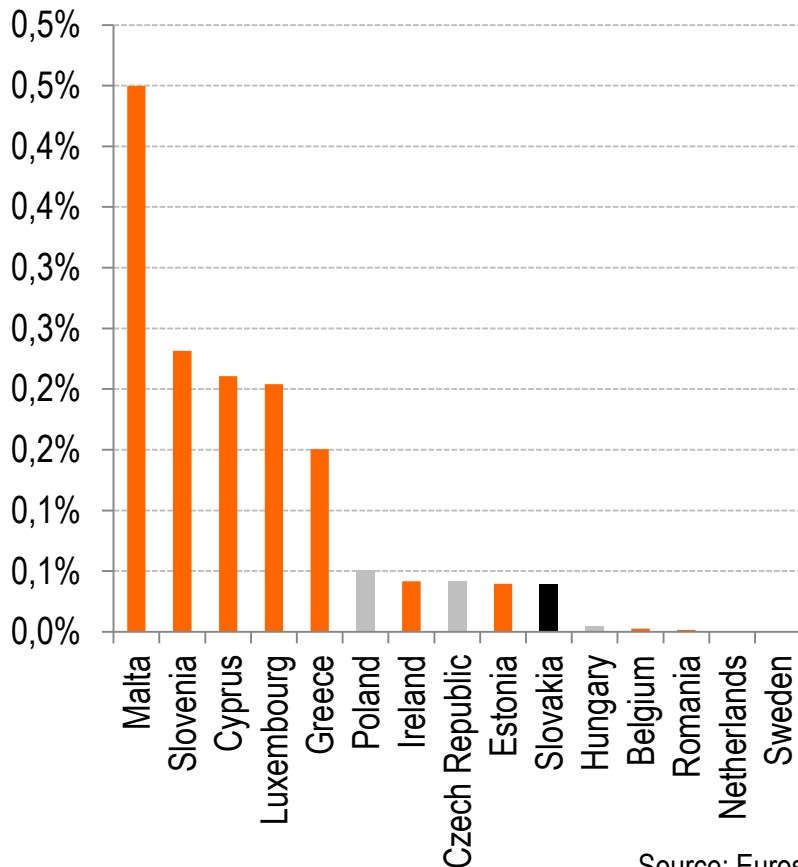
Limitations

- Struggle with data quality (e.g. accessibility, missing an international comparison, data in paper form 😊)

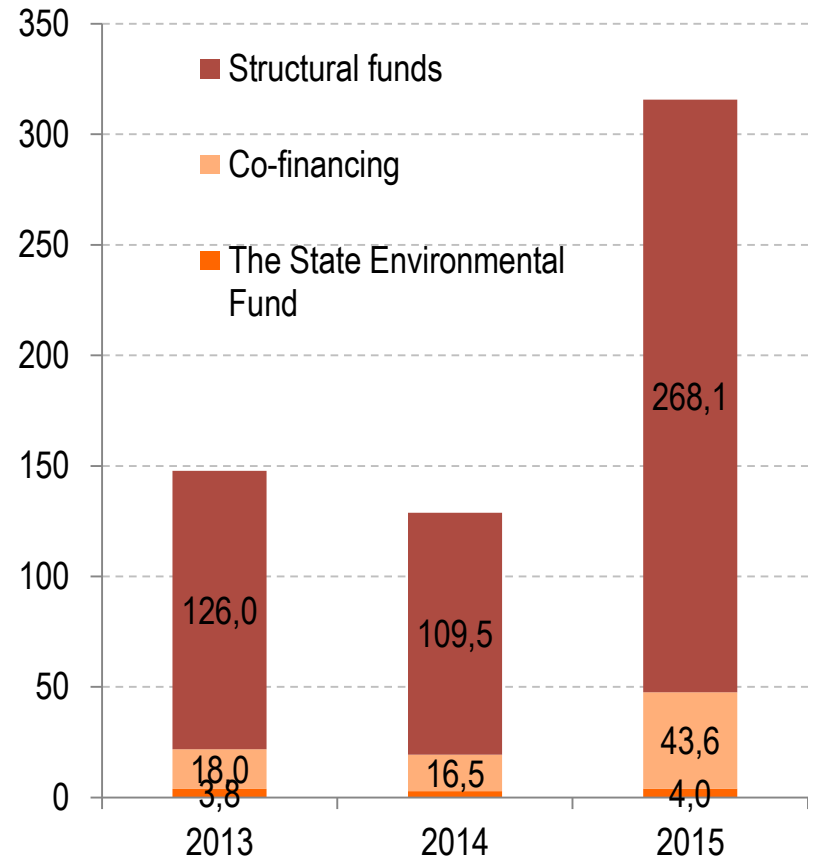


Can expenditures on wastewater and waste supply

Central government expenditures on wastewater and management as % of GDP, 2014

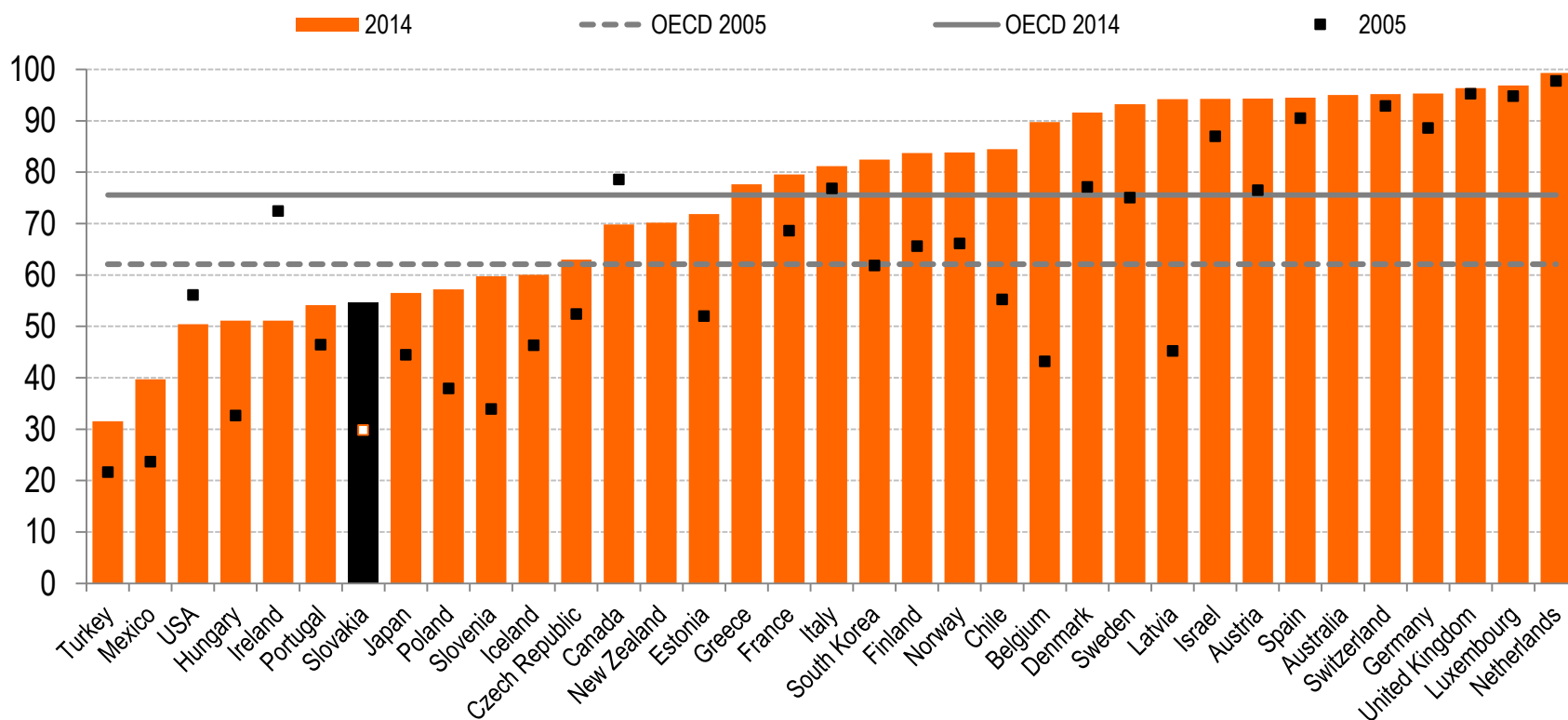


Expenditures on wastewater and water supply, M. €



deliver better results?

Wastewater treatment level weighted by connection to wastewater treatment rate, %, 2014



Source: EPI



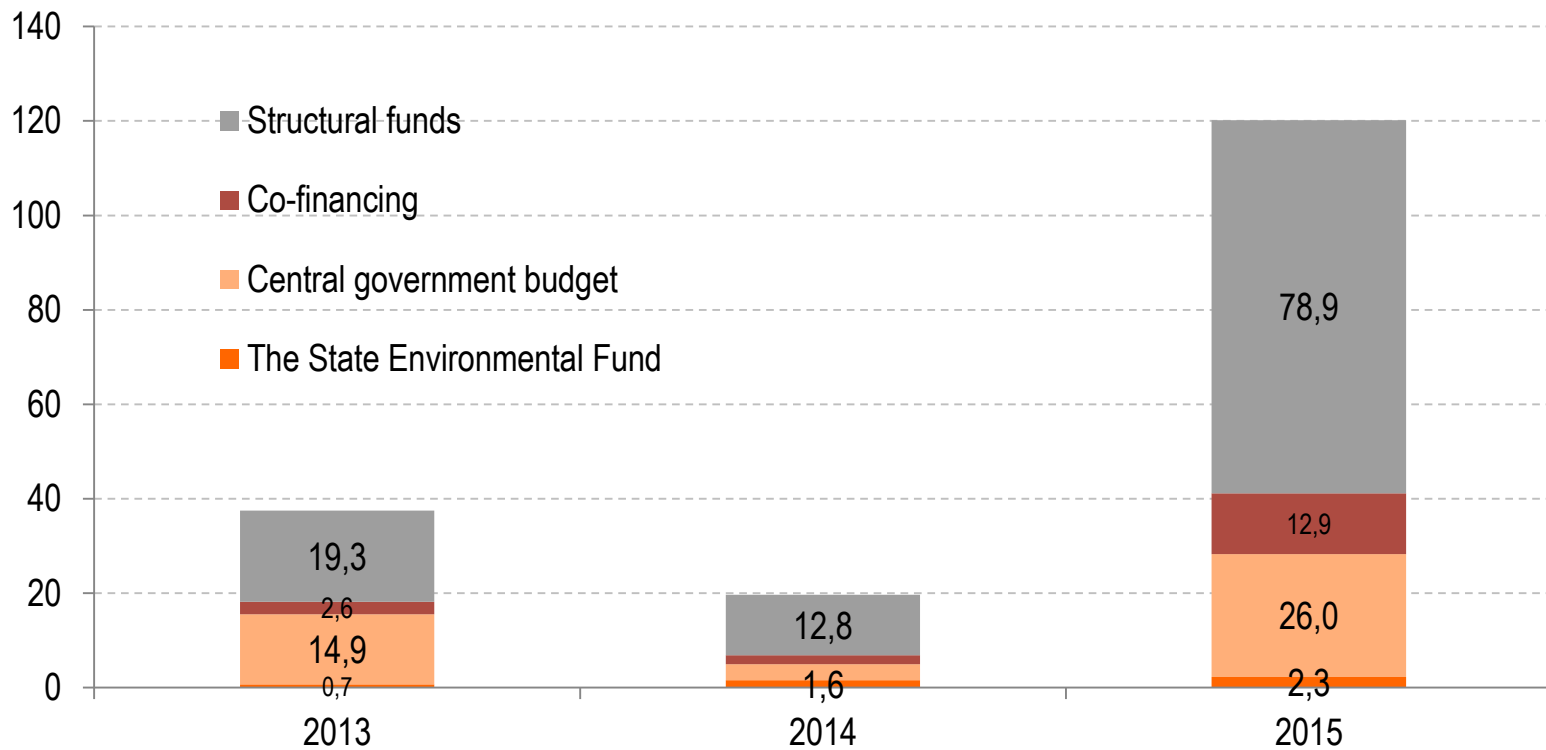


Assessed indicators

- Population connected to urban wastewater collecting and treatment systems
- Wastewater production
- Share of expenditure on policies aimed at supporting wastewater management
- The number of newly constructed / renovated wastewater treatment plant
- Length of new potable water pipelines
- EUR per capita, EUR per rM of pipelines according to similar conditions



Flood control expenditures focus mostly on dams or barriers

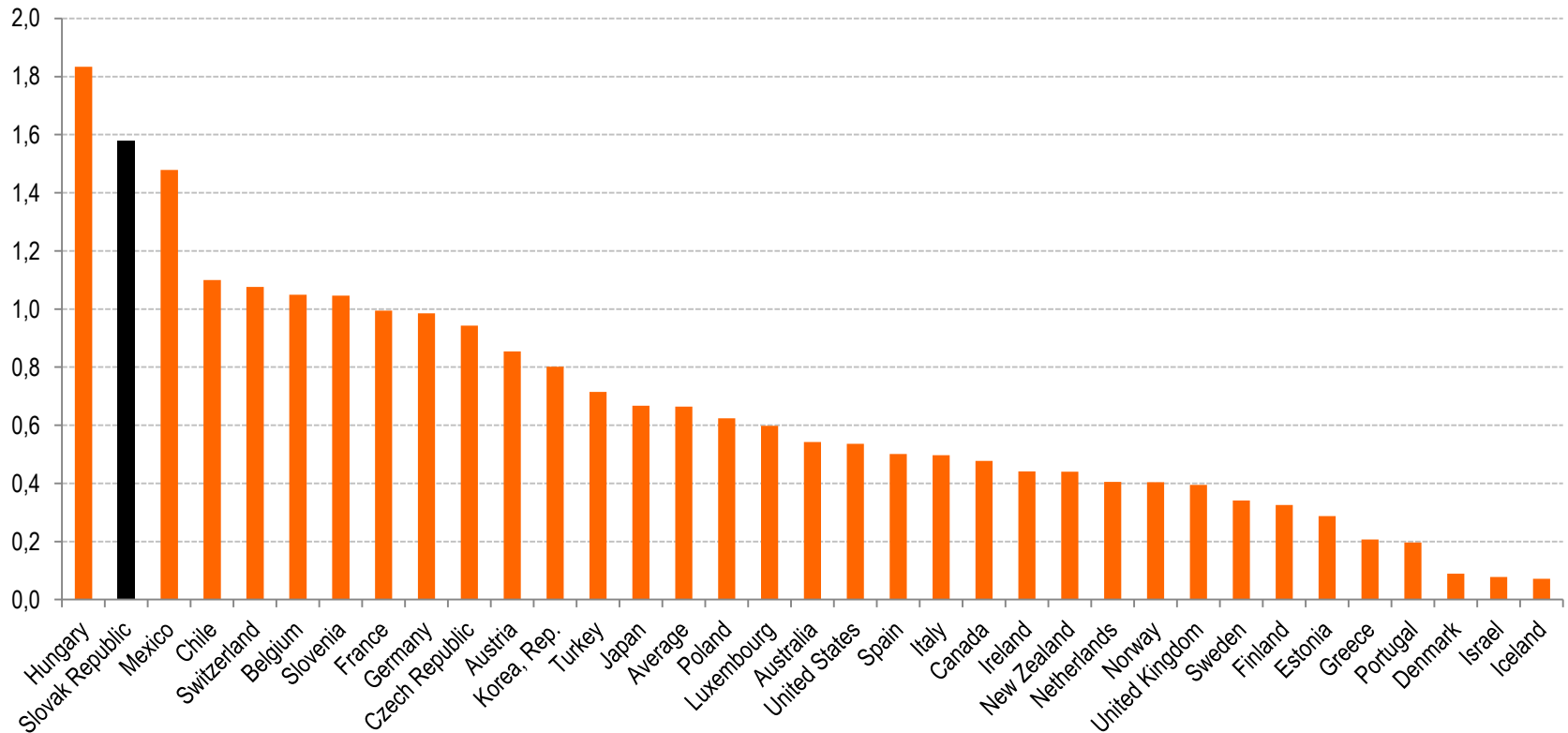


Source: EPI



because flood risk seems to be too high in Slovakia

Population in the risk of the floods per 1 000



Source: WRI



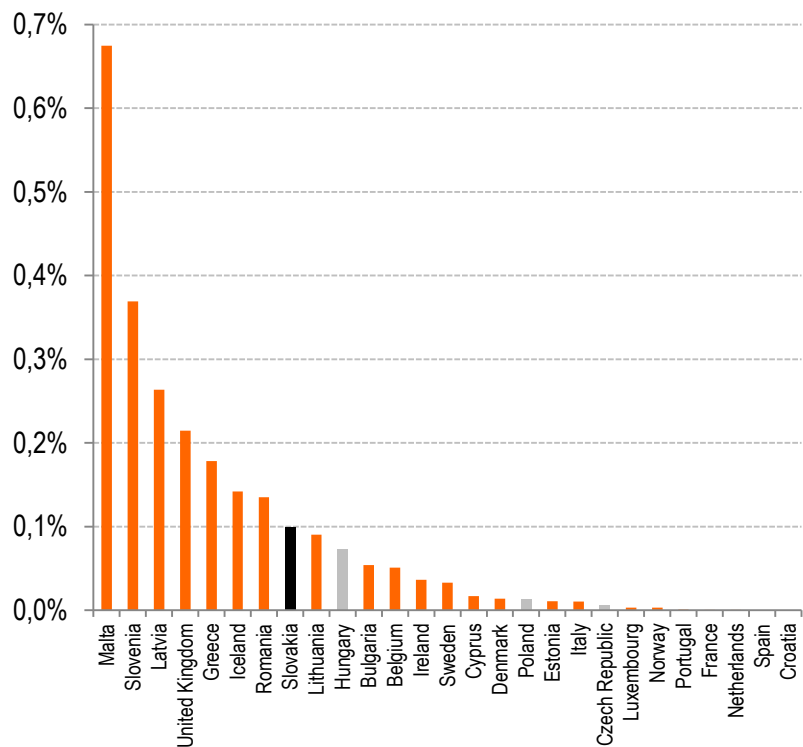
Assessed indicators

- The frequency of flooding across Slovakia and Europe
- The area of territory with flood protection
- Share of expenditure on policies aimed at flood risk
- The number of habitants protected from flooding
- Damage averted per euro invested in flood protection
- Euro per investment in floods protection



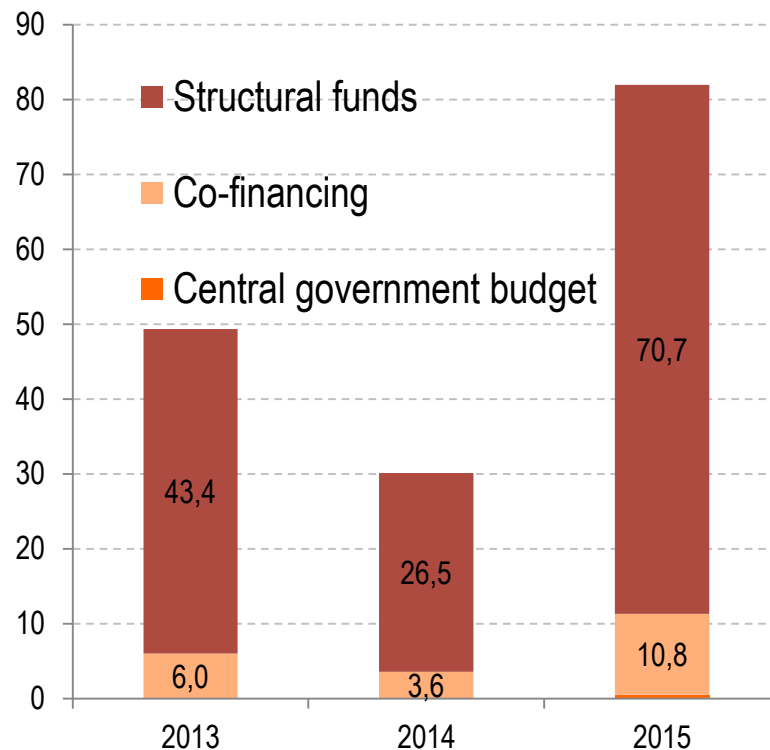
Despite the investments in waste management

Central government expenditures as % of GDP, 2014



Source: Eurostat

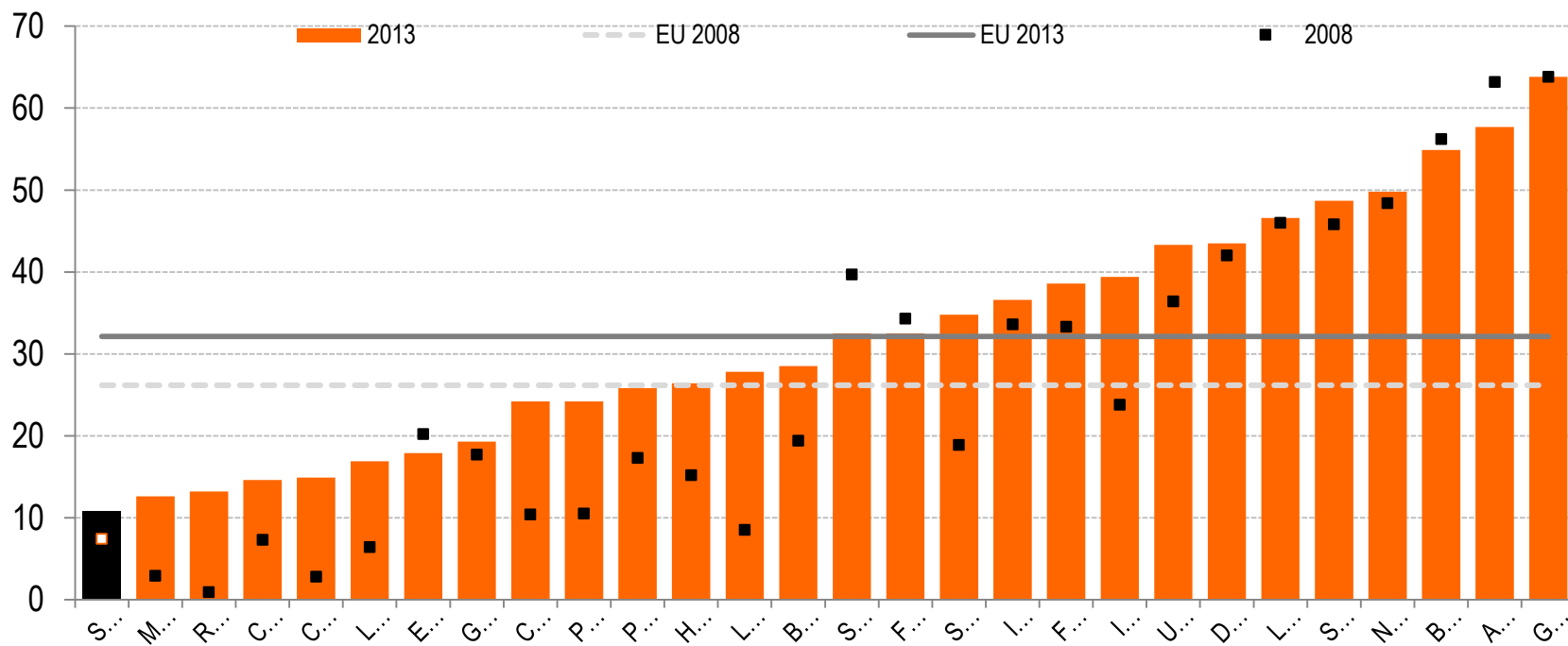
Expenditures on waste management, mil. EUR



Source: RIS

we still landfill too much and almost don't recycle

Recycling rate of municipal waste, %



Source: Eurostat





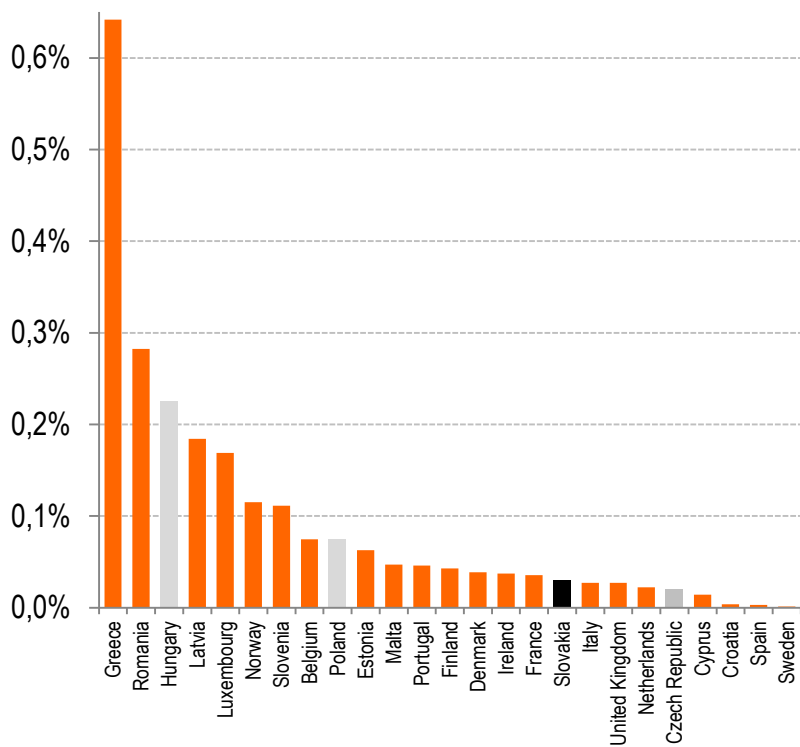
Assessed Indicators

- Waste generation on international as well as on districts level
- Amount of waste generated per capita
- Share of expenditure on policies aimed at supporting waste management
- Amount of waste sent to landfill or to the incineration plant
- The number of newly constructed / renovated facilities for separate collection and waste recovery
- The efficiency of waste separation
- Euro per ton of recycled and recovered waste



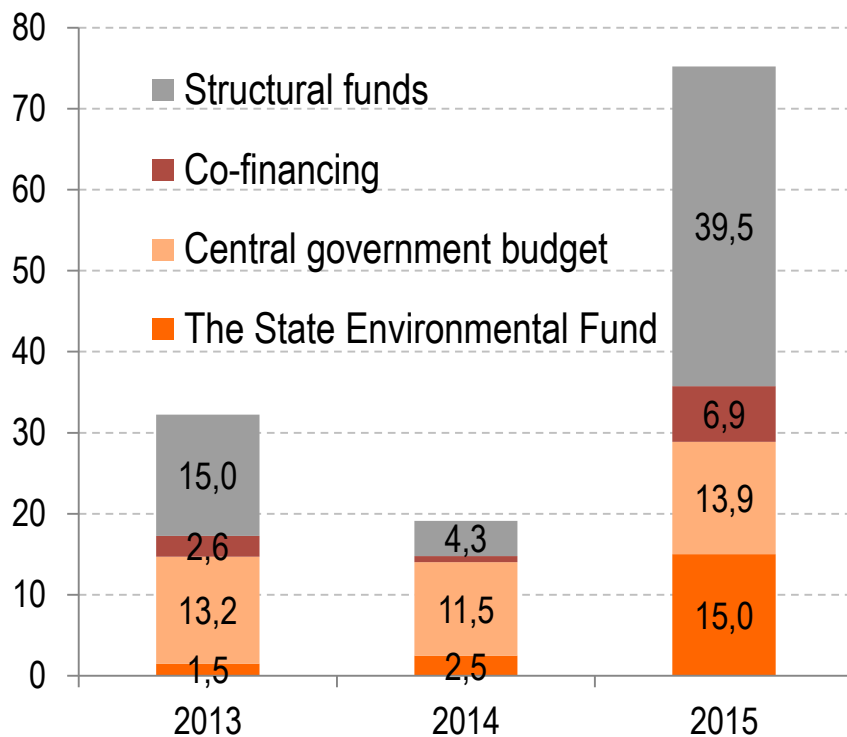
Spending on air protection and climate

Expenditures as % of GDP, 2014



Source: Eurostat

Expenditures on air protection and climate regulation, mil. EUR

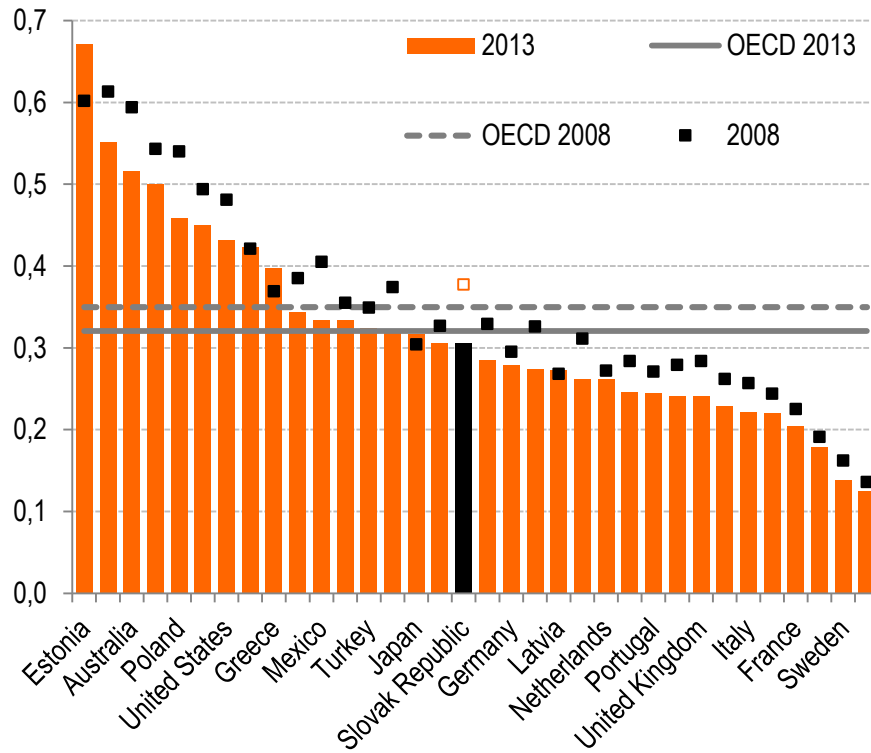


Source: RIS



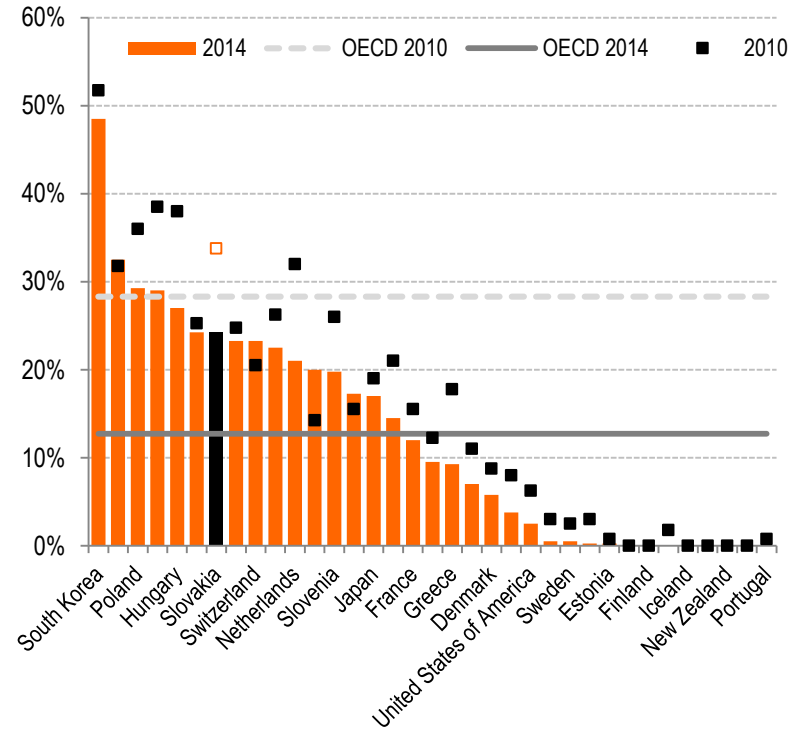
could have had a positive effect

Total Greenhouse gases per GDP



Source: OECD

Proportion of the population exposed to PM2.5



Source: EPI





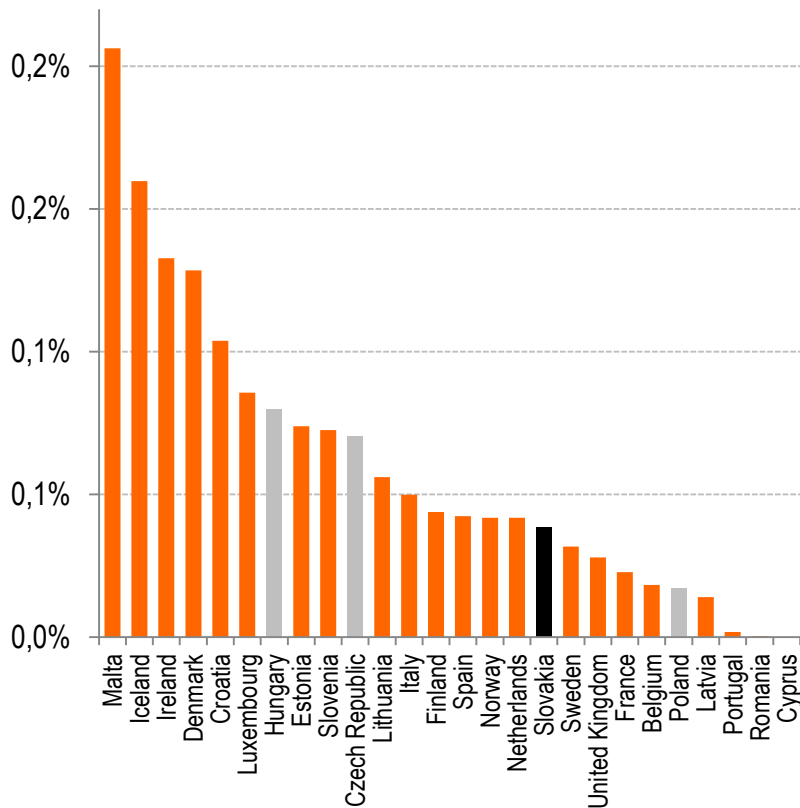
Assessed indicators

- The amount of discharge pollutants loads by Slovak districts and countries
- The share of renewable energy resources
- Share of expenditure on policies aimed at reducing air pollution
- Share of green and blue urban areas in cities
- The amount of premature deaths
- The efficiency of reduction
- The cost of reduction



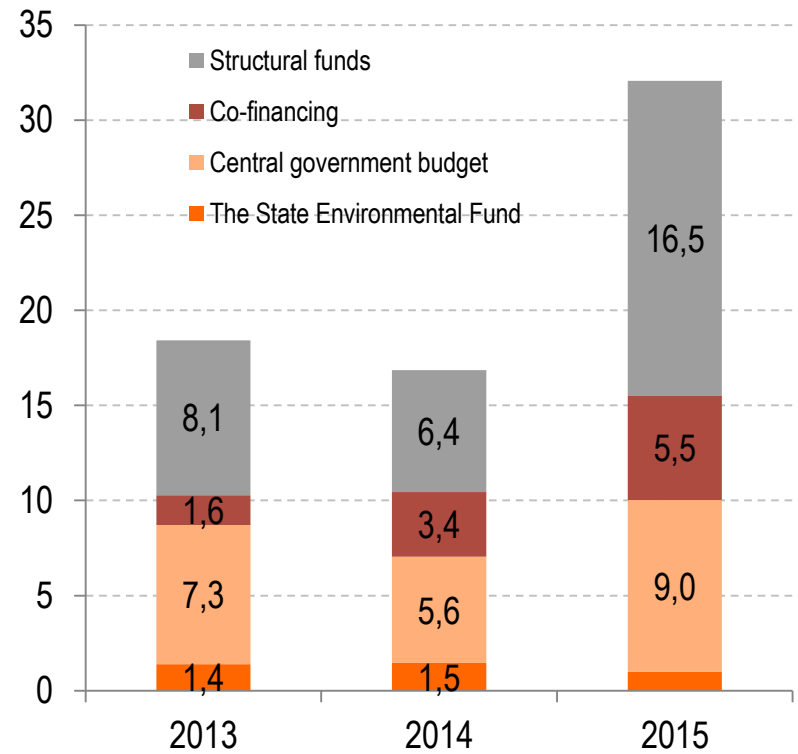
Nature protection expenditures are average

Central government expenditures on nature protection as % of GDP, 2014



Source: Eurostat

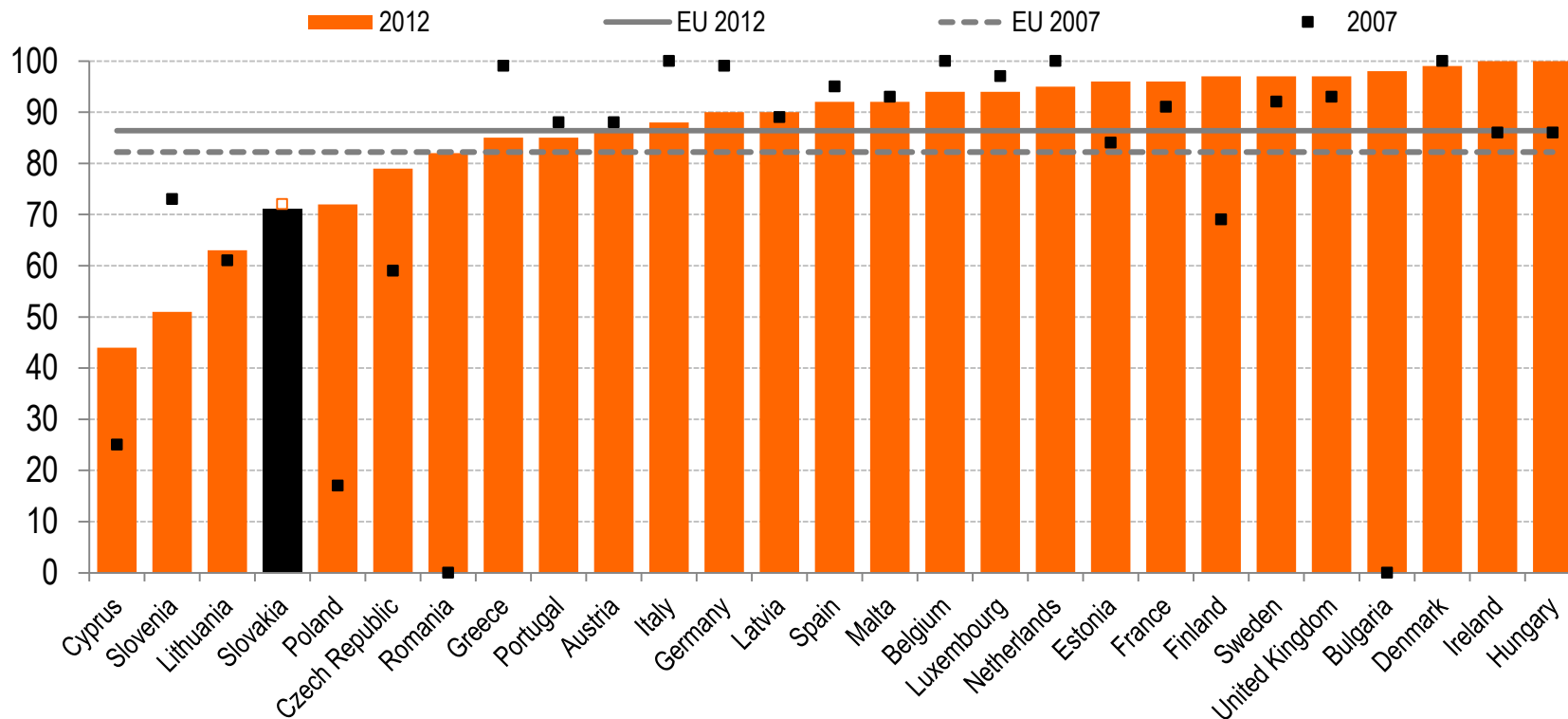
Expenditures on Nature and Landscape Protection mil. EUR



Source: RIS

although not enough designated areas are protected

Sufficiency of sites designated under the EU Habitats directive, %



Source: Eurostat



Assessed indicators

- Size of protected areas and their performance
- The number of protected species
- The monetary value of species of fauna and flora
- Environmental and social benefits /costs



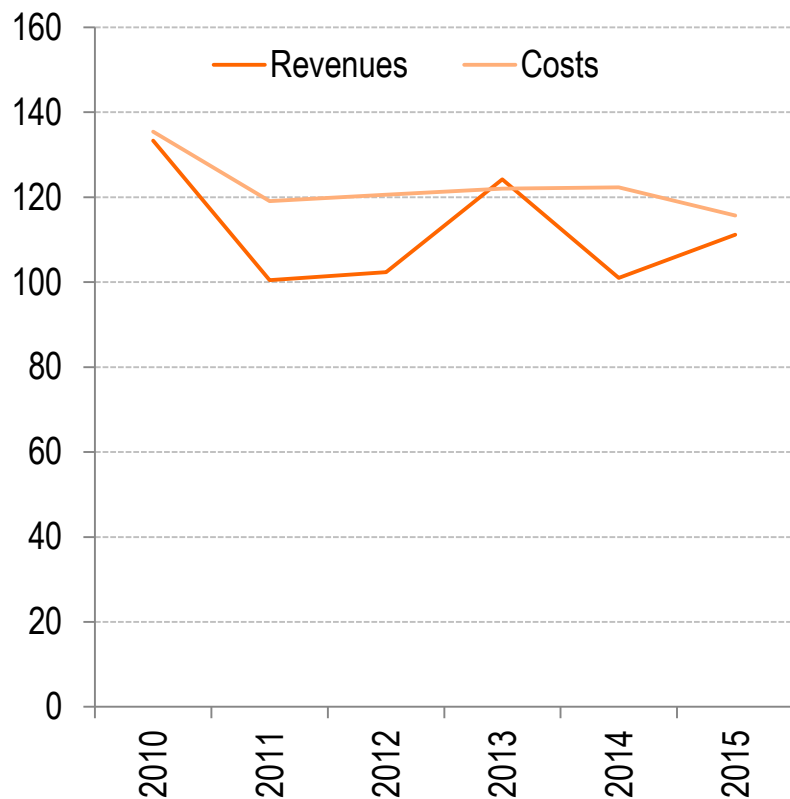
I BCG audit in: **Slovak Water Management Enterprise, s.e.**

- Loss-making company
- Administration of watercourses, water engineering works and facilities constructed on them
- Supply of surface water to all sectors of economy
- Ensure navigability of river routes



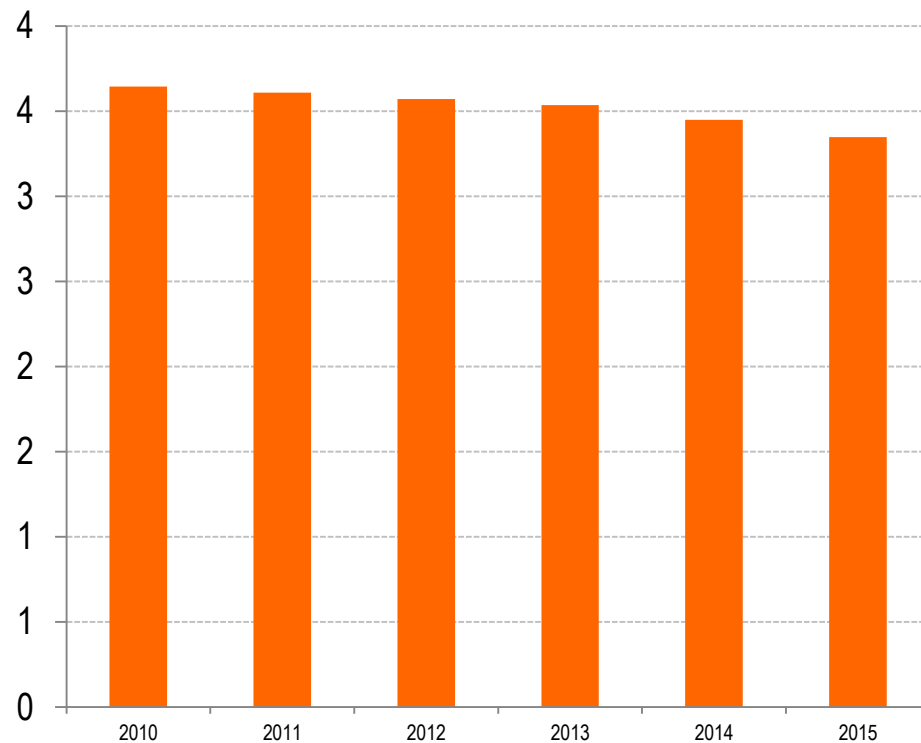
Slovak Water Management Enterprise, s.e.

Financial results, mil. EUR



Source: Annual yearbook of SVP, š.p. 2010 - 2015

Annual average number of employees, thousands



Source: Annual yearbook of SVP, š.p. 2015



Thank you for your attention.

marianna.bendikova@enviro.gov.sk

