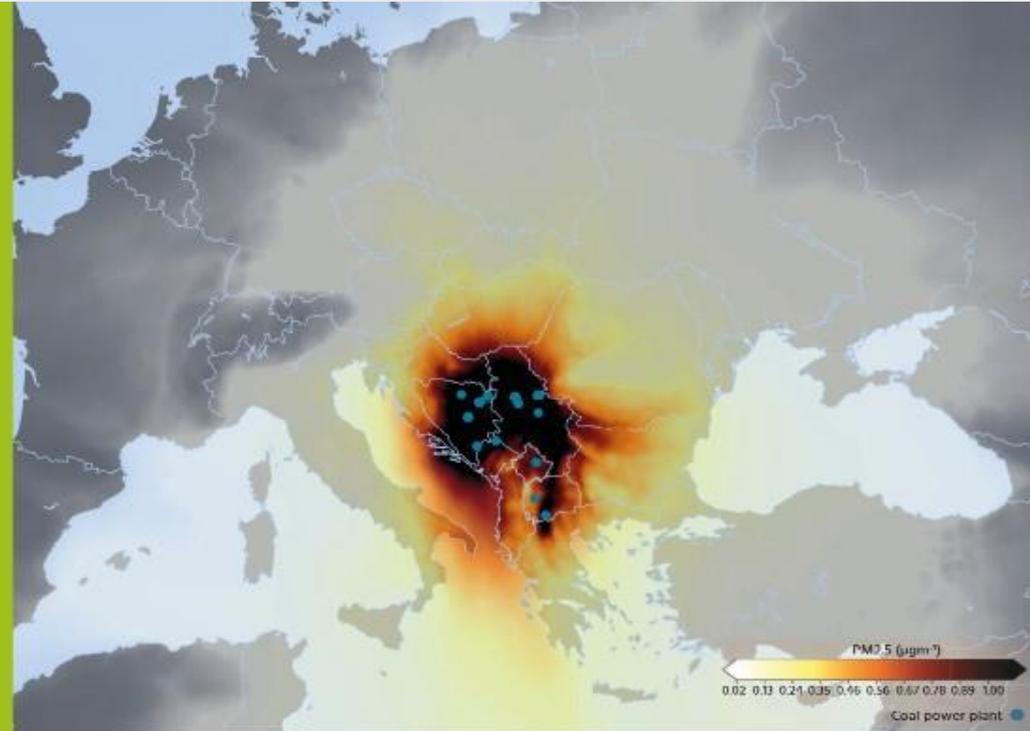
The background is a composite image of the Earth from space, showing continents and city lights. Overlaid on this are numerous glowing blue lines that represent energy or data connections, crisscrossing the globe.

Subsidies to electricity generation from coal in the Energy Community

Milka Mumović, electricity and statistics expert

- Transboundary pollution problem!
- EU member states already fail to keep air quality standards
- Additional harmful pollution travelling into the EU from five neighbouring Western Balkan countries
- Most impacted EU neighbouring countries, but far away too



Energy Community Treaty

- Directive 2001/80/EC on the limitation of emissions of certain pollutants into the air from large combustion plants (LCPD, for existing plants) and
- Directive 2010/75/EU on industrial emissions (IED, for new plants)

Climate related: recommendations

- General Policy Guidelines on the 2030 targets
- Recommendation on preparing for the implementation of Regulation (EU) No 525/2013 on a mechanism for monitoring and reporting greenhouse gas emissions
- *Recommendation on preparing for the development of integrated national energy and climate plans by the Contracting Parties of the Energy Community*

2030 Agenda for Sustainable Development

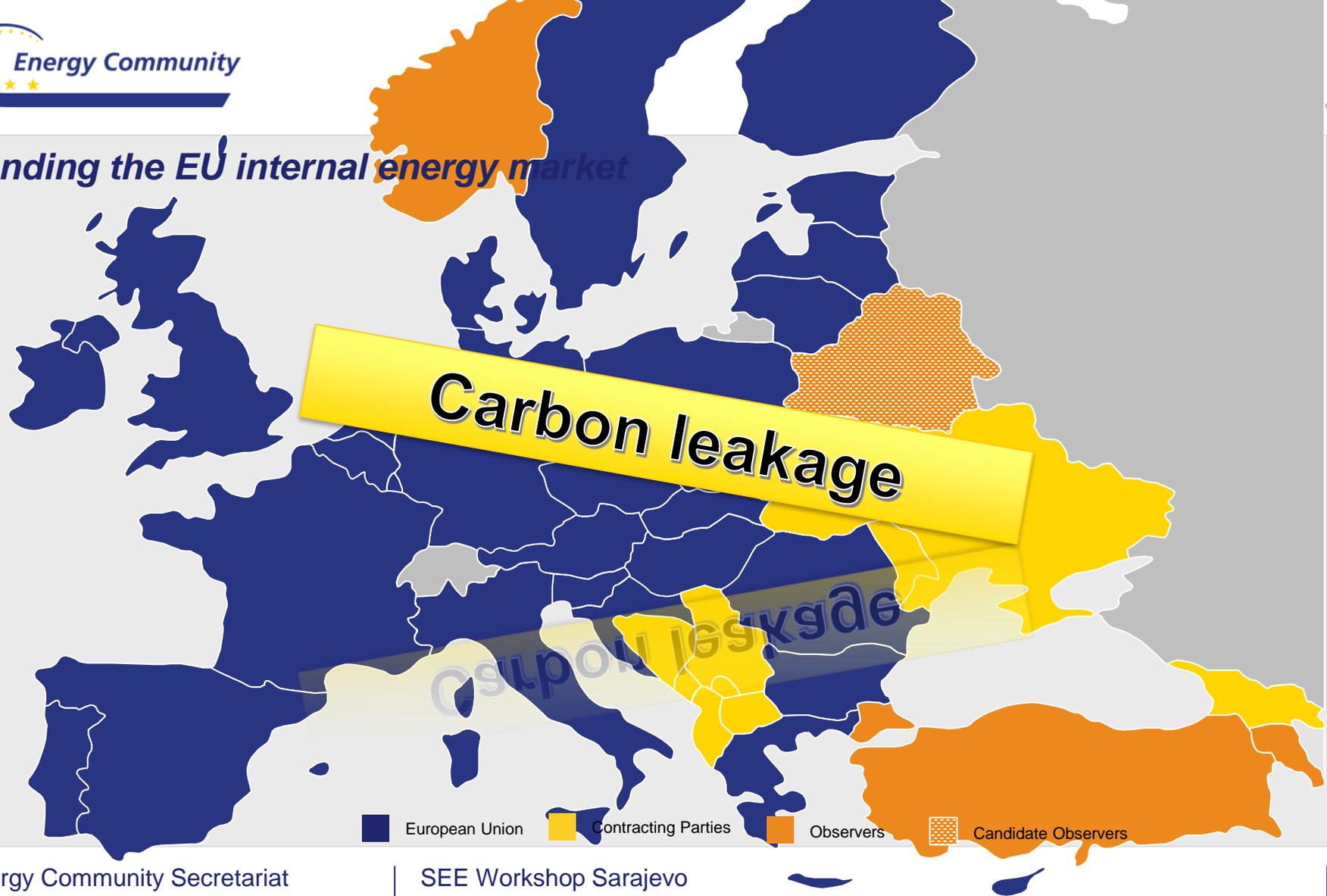
- to ensure access to affordable, reliable, sustainable and modern energy and
- to ensure sustainable consumption and production patterns

“**rationalize inefficient fossil fuel subsidies that encourage wasteful consumption** by removing market distortions, in accordance with national circumstances, including by restructuring taxation and phasing out those harmful subsidies, where they exist, to reflect their environmental impacts, taking fully into account the specific needs and conditions of developing countries and minimizing the possible adverse impacts on their development in a manner that protects the poor and the affected communities”.

Paris Agreement

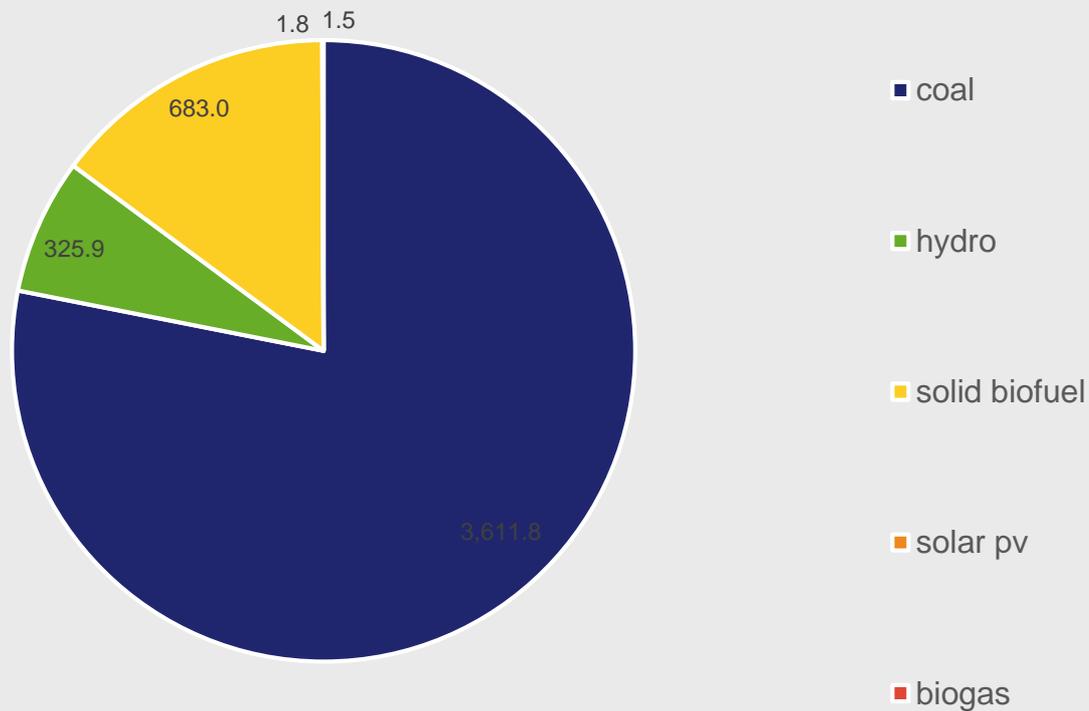
- to review their existing energy policies,
- harmonize them with the signed obligations and
- redirect funds to achieve the Agreement's abatement goals

Extending the EU internal energy market

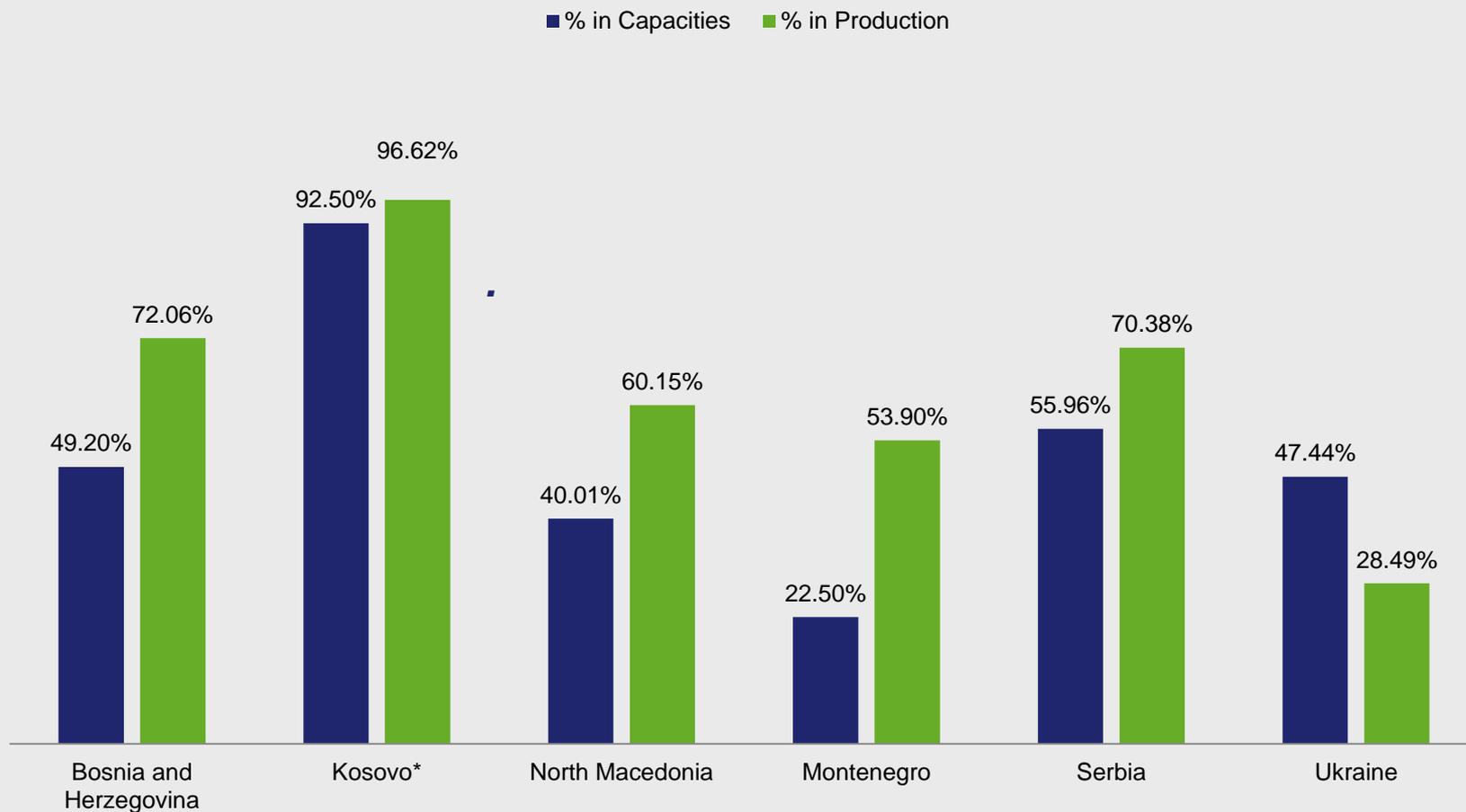


Where does our energy come from?

Primary fuel mix BiH 2017 in ktoe

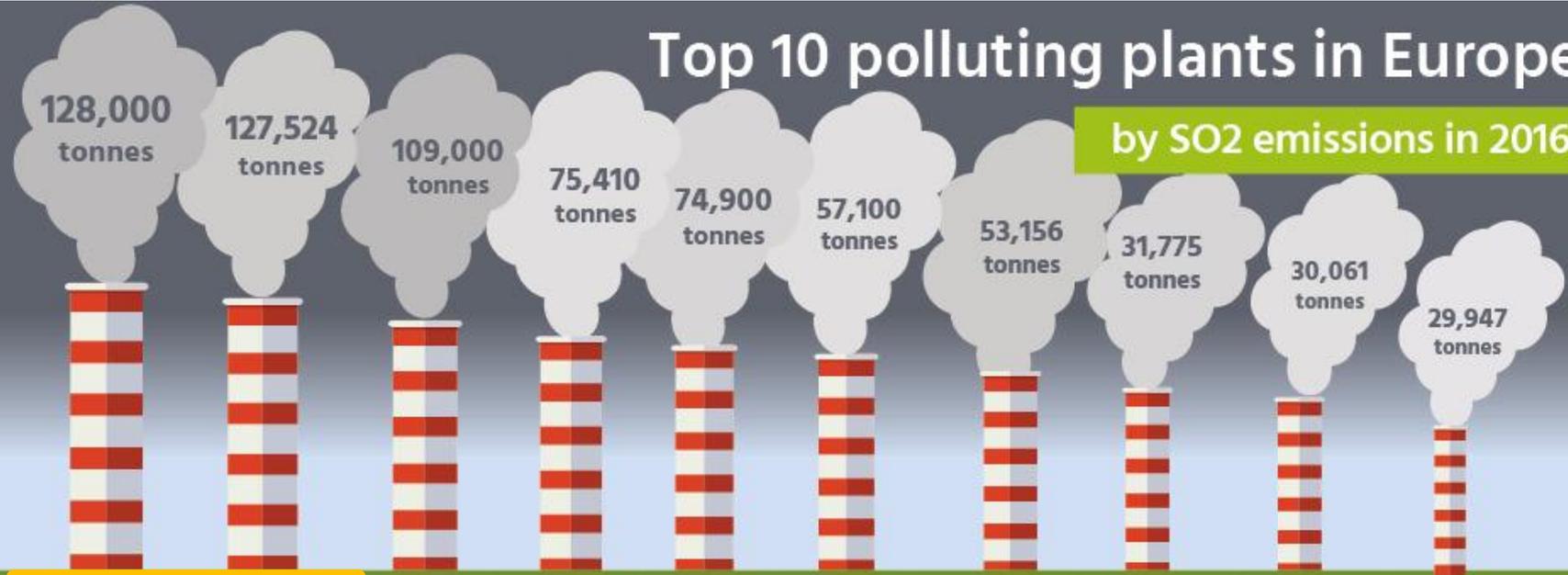


Coal in electricity production EnC 2017



Top 10 polluting plants in Europe

by SO₂ emissions in 2016

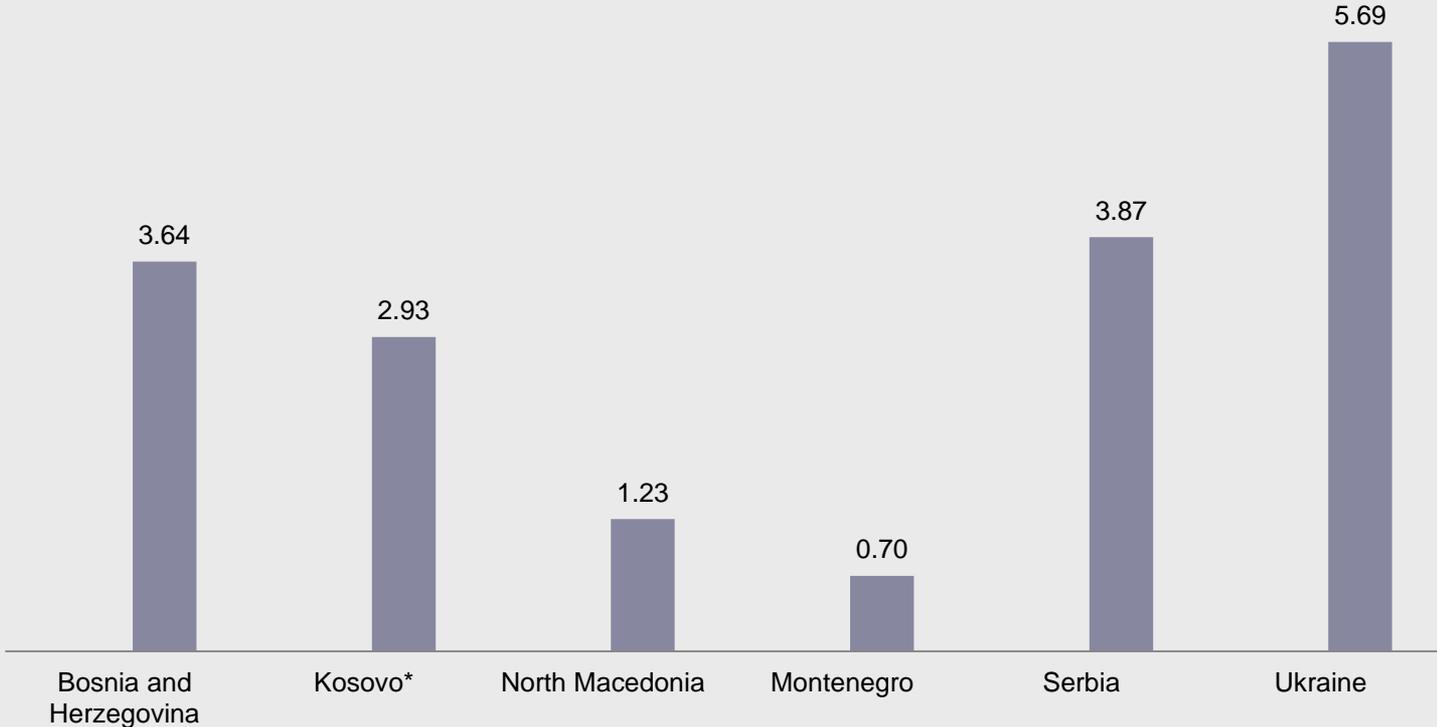


Kostolac B Serbia	Ugljevik Bosnia and Herzegovina	Nikola Tesla A Serbia	Kakanj Bosnia and Herzegovina	Kostolac A Serbia	Nikola Tesla B Serbia	Tuzla Bosnia and Herzegovina	Bitola Macedonia	Belchatow Poland	Maritsa East 2 Bulgaria
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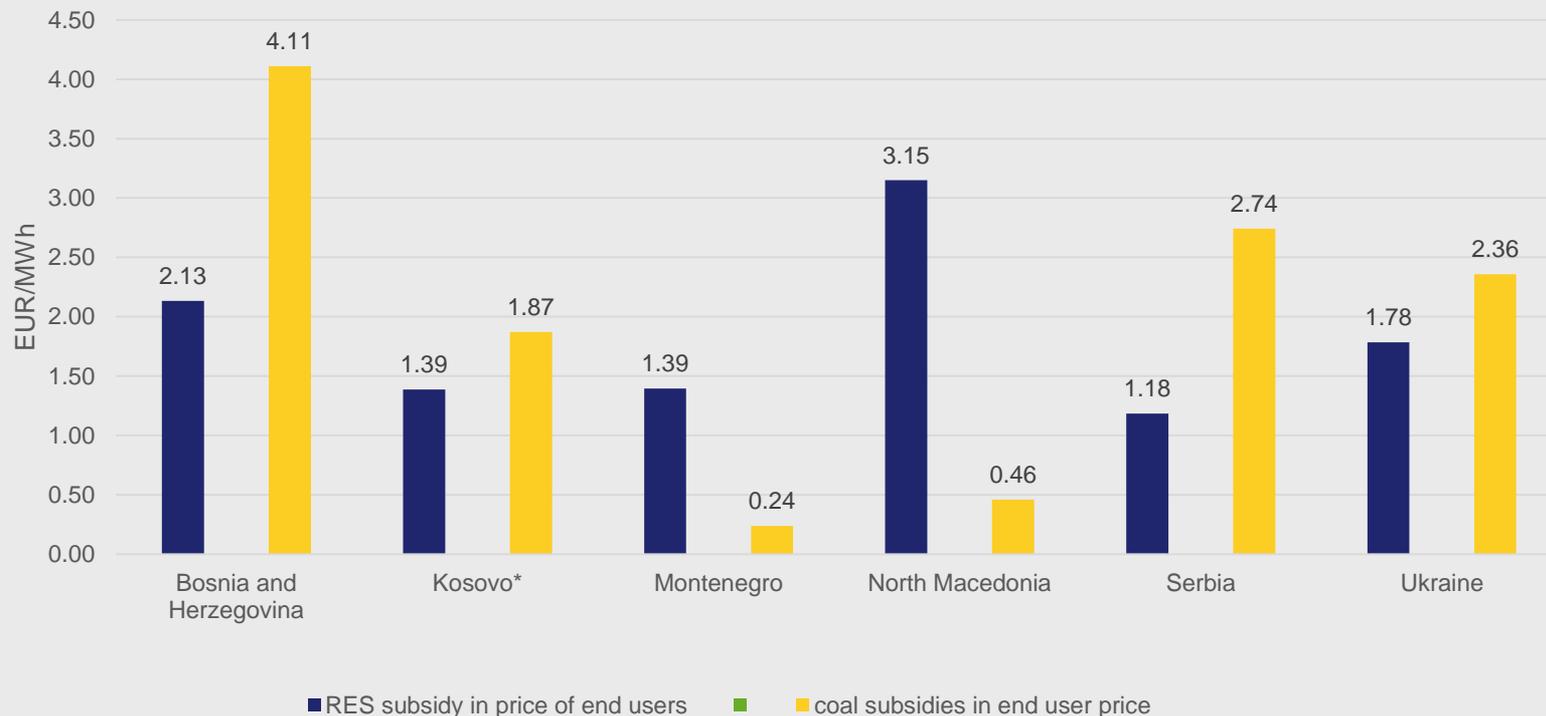
Direct subsidies in EUR/MWh

Direct subsidy per 1 MWh produced in EUR, in average 2015-2017



Direct coal subsidies vs RES incentives in the end users prices [2017]

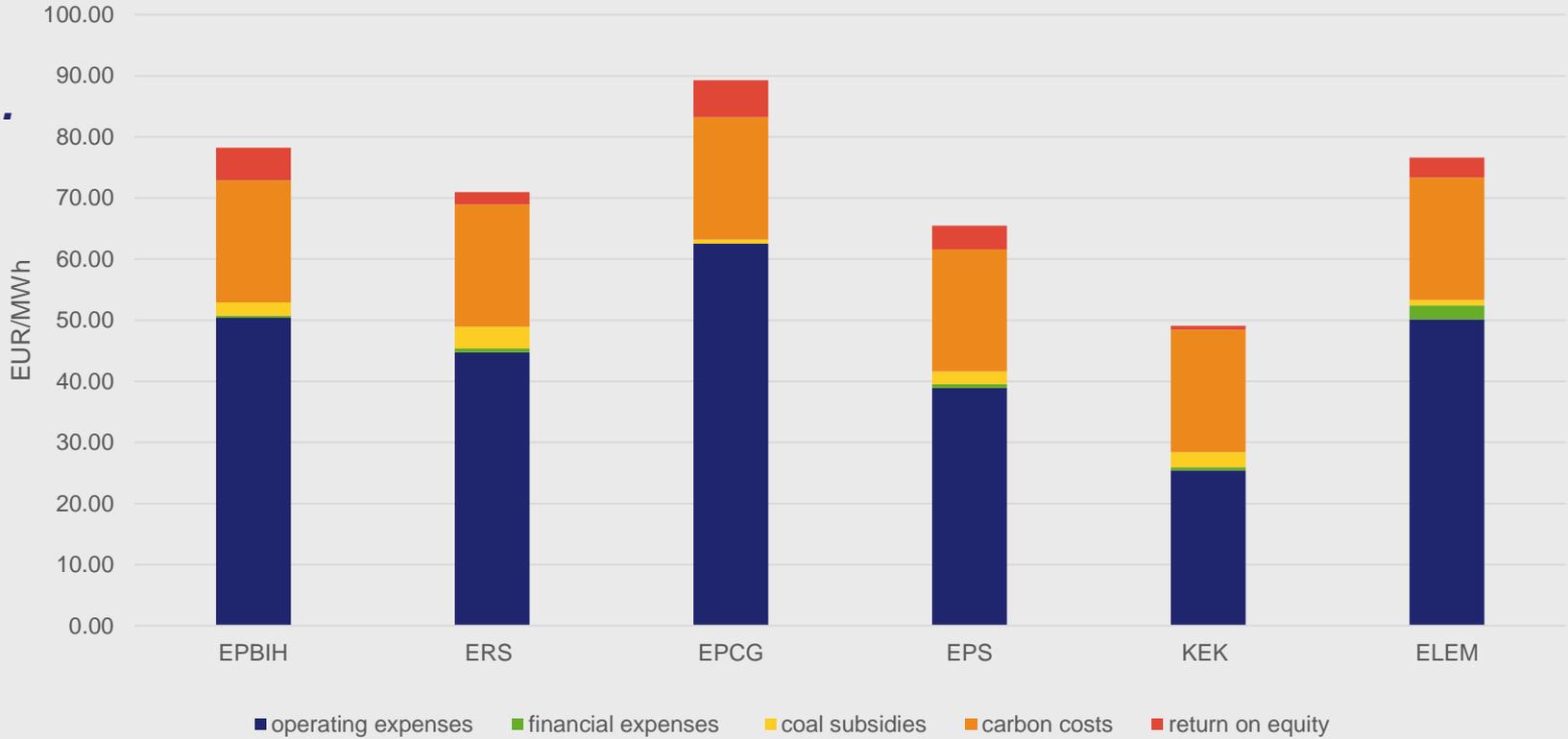
Paid subsidies for RES and coal in the end users prices in 2017



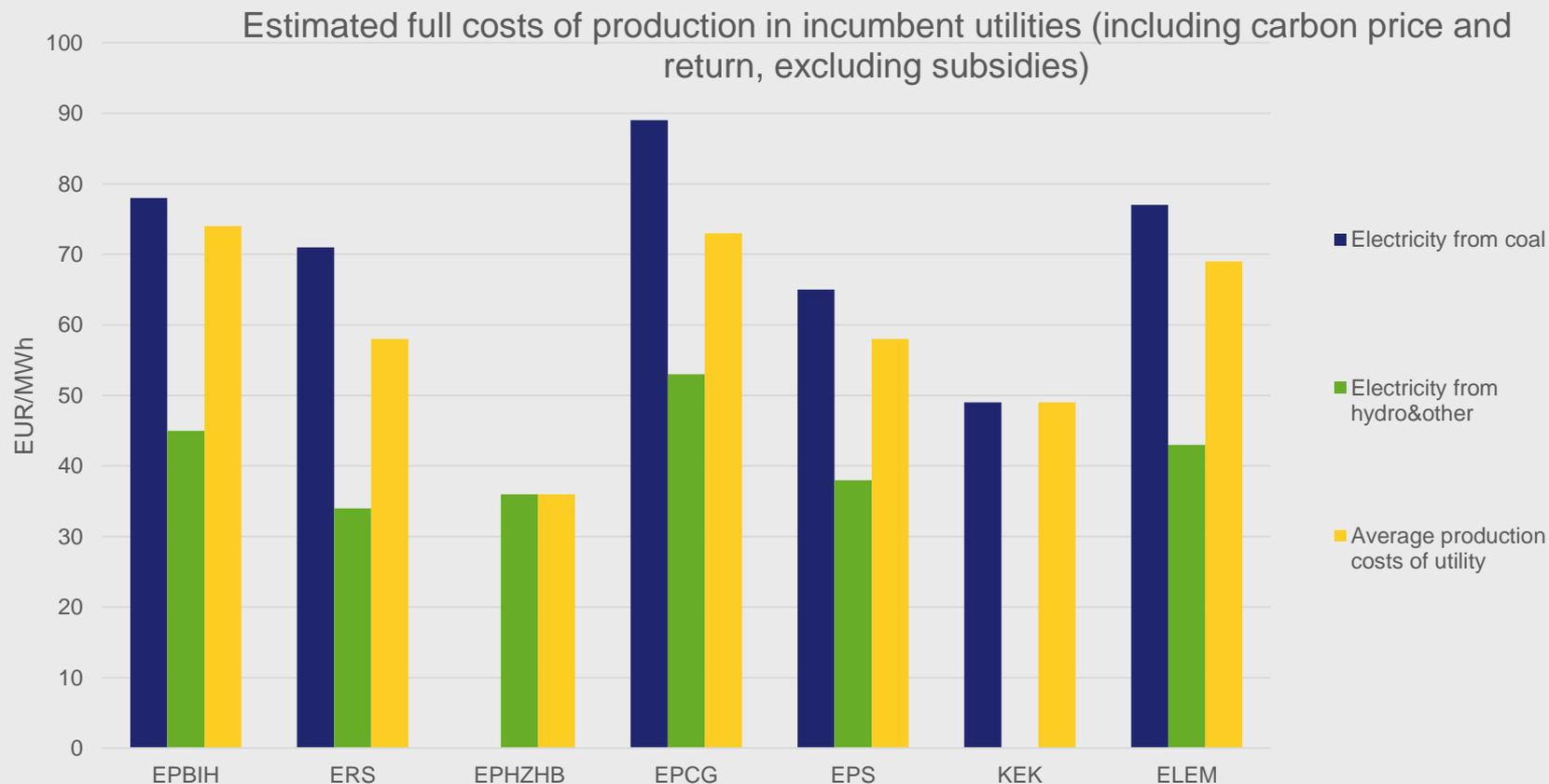
Estimation of full production costs in coal TPPs



Estimated full costs of production of electricity from coal in incumbent state owned utilities

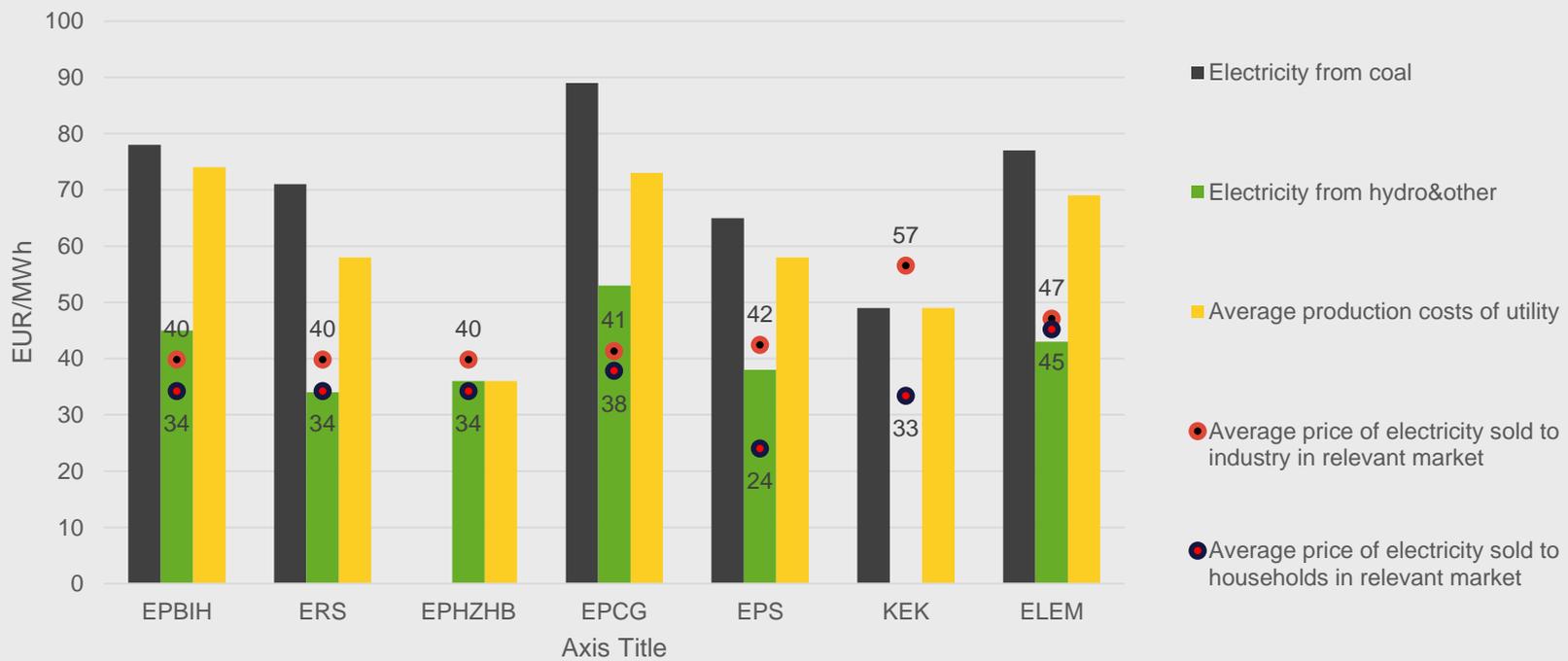


Costs of production in state owned utilities

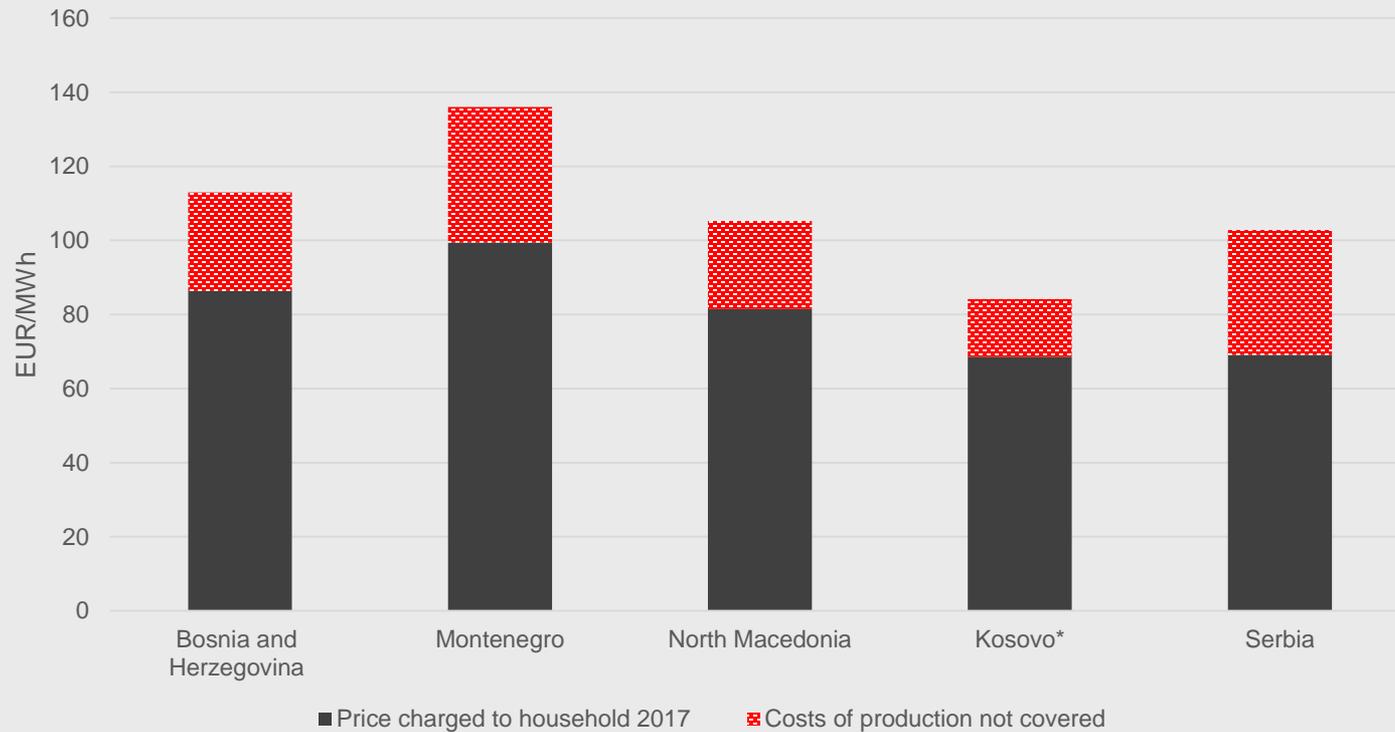


Estimated full costs of production vs retail price (energy and supply)

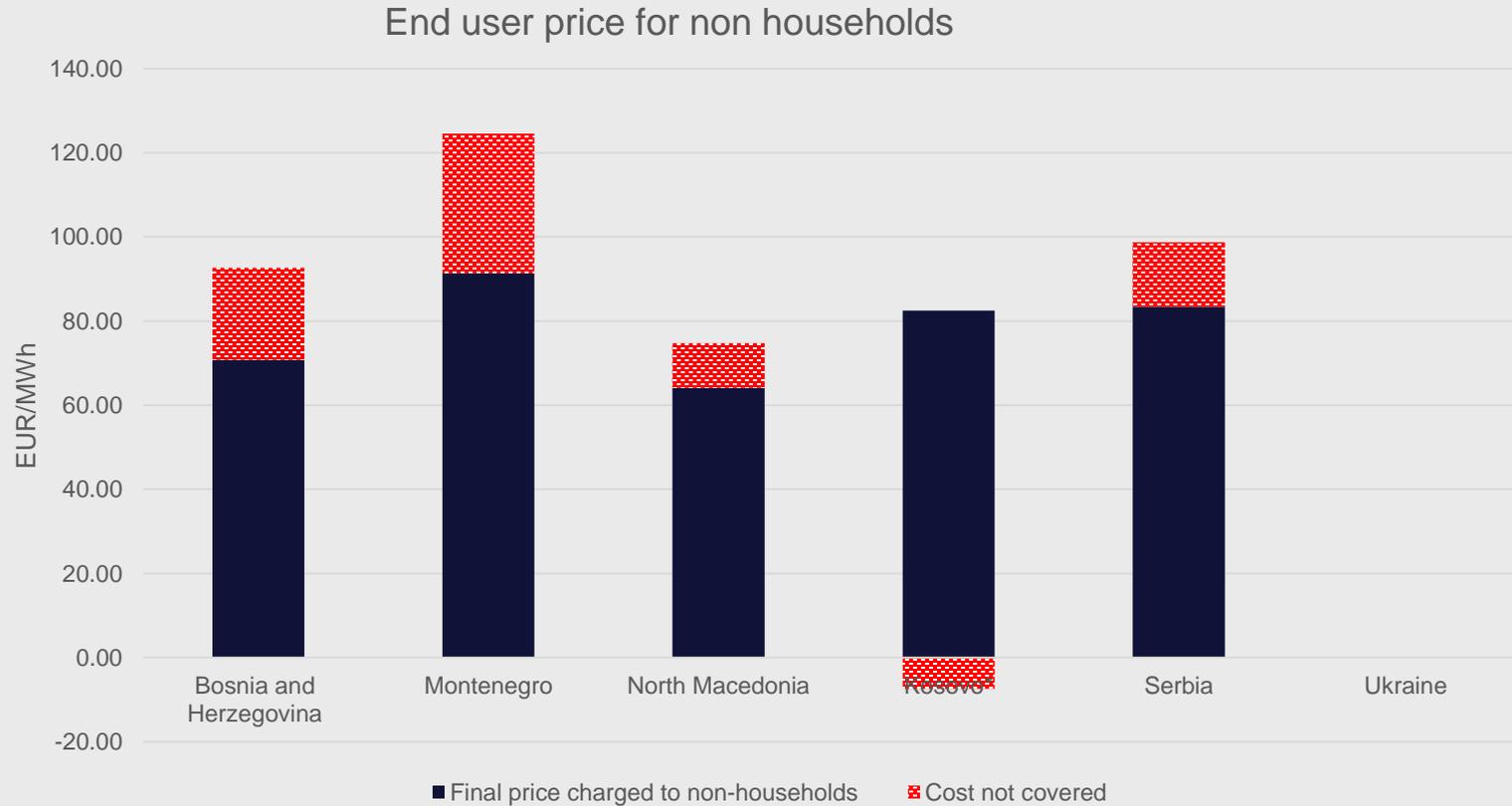
Estimated full costs of production of electricity and selling prices
(reference year: 2017)



End user prices for households



End user prices for non-households



The background is a satellite-style image of the Earth at night, showing city lights. Overlaid on this are numerous glowing blue lines that represent energy or data connections, crisscrossing the globe.

Thank you for your attention

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