

THE ENERGY COMMUNITY

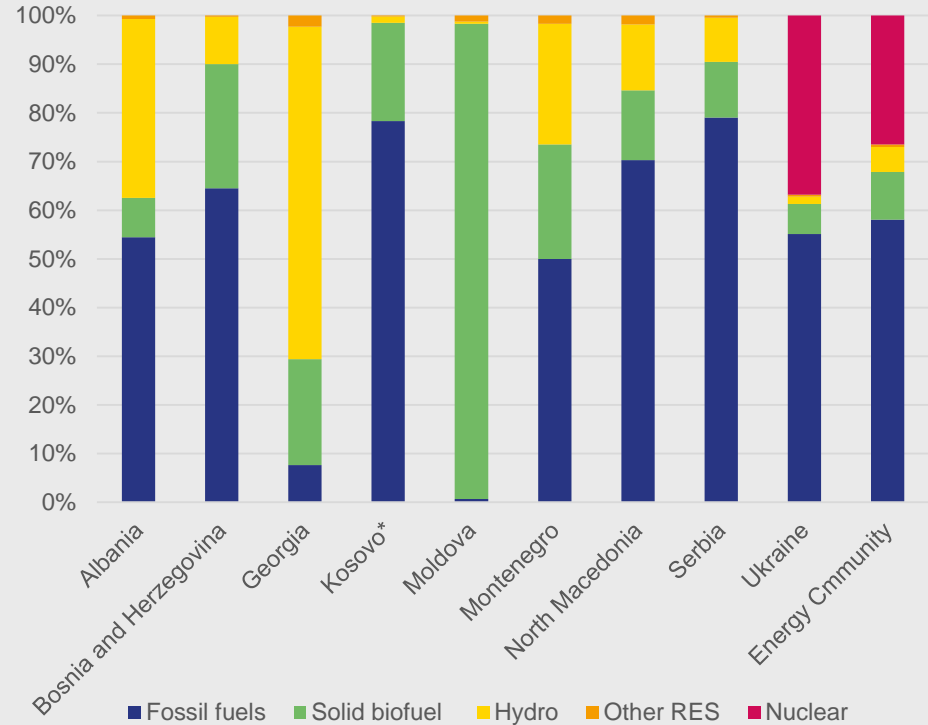
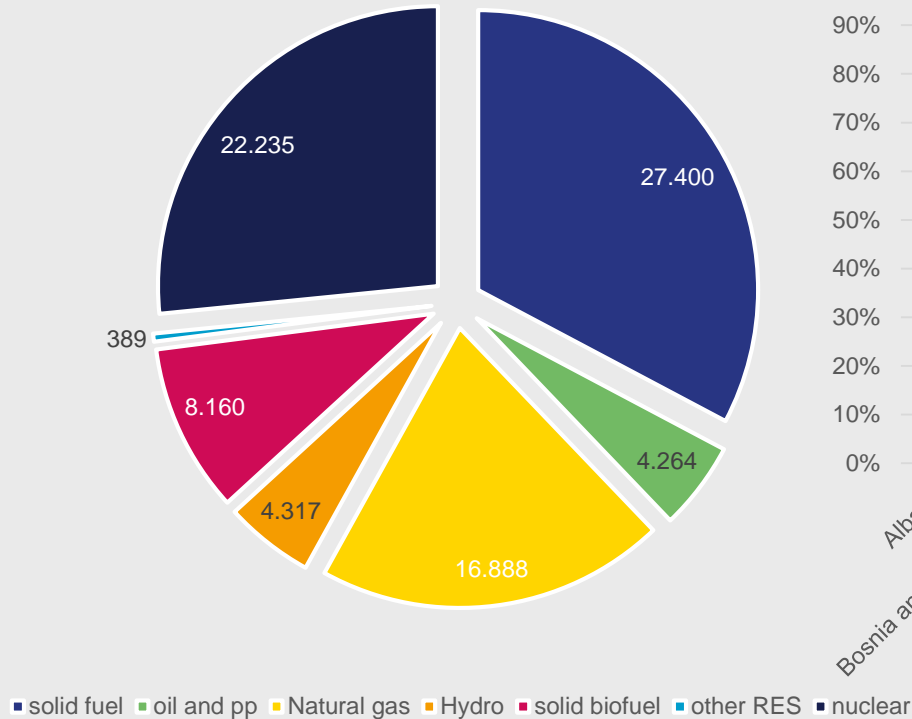
EnC Overview: energy mix, demand and consumption

Milka Mumović

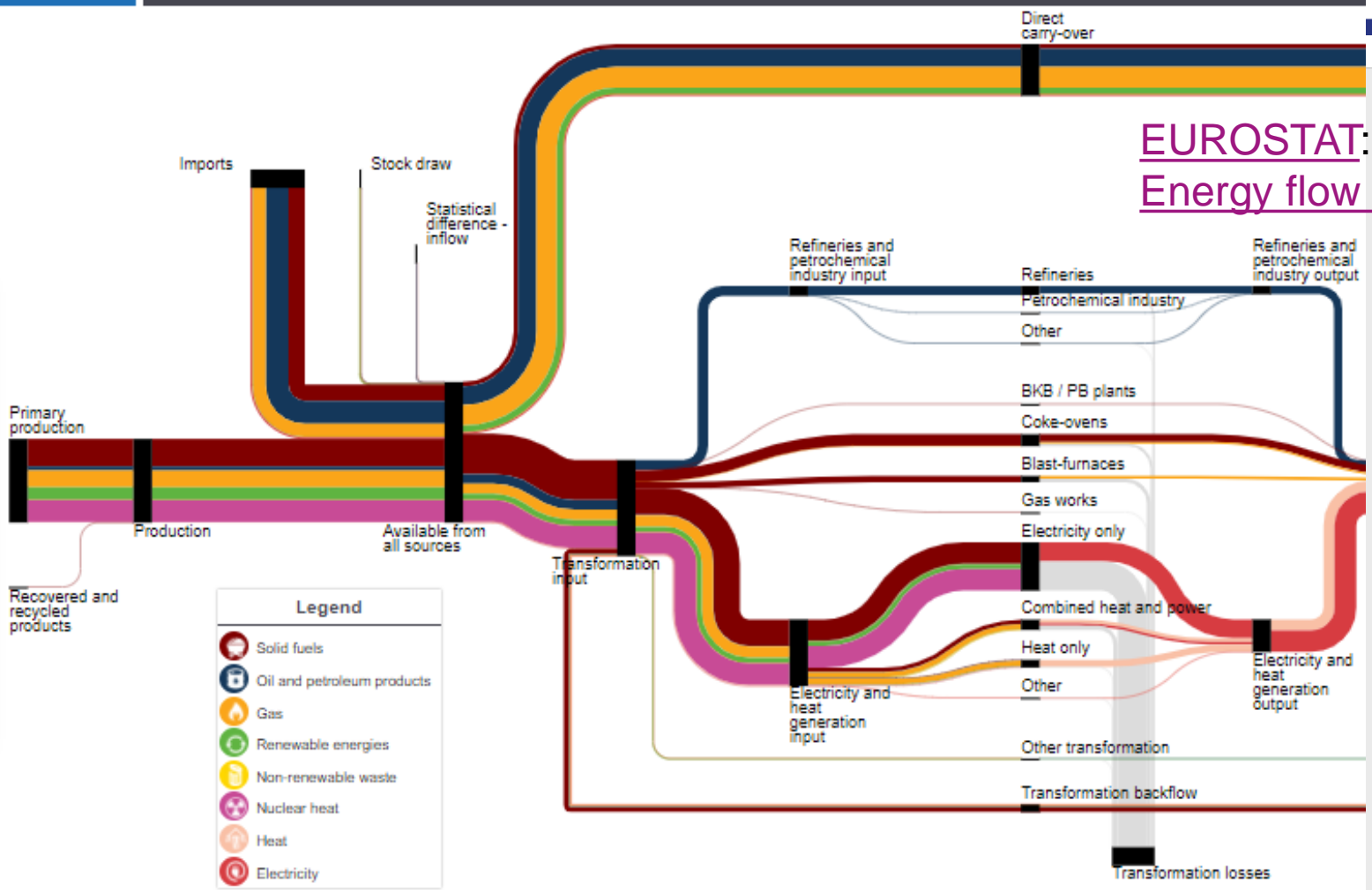
12th OIL FORUM

16 September 2020 - Day 2, Session 3: Trends and challenges: Impact of the Covid-19

Primary energy production in the Energy Community

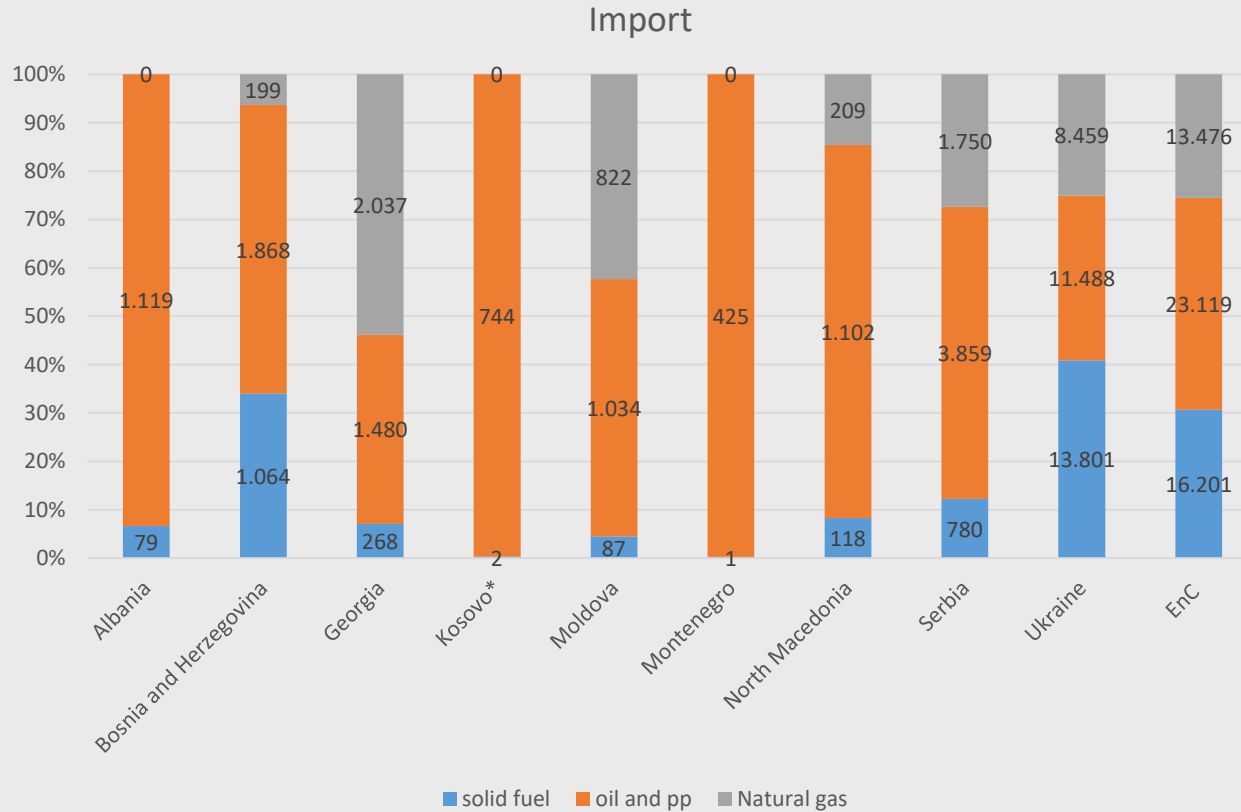



All data are taken from EUROSTAT database



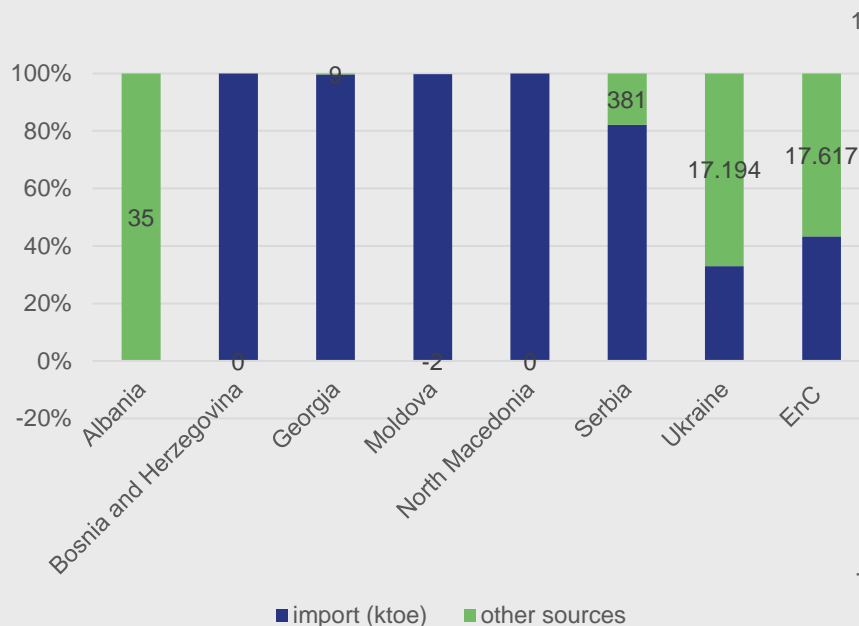
EUROSTAT:
Energy flow diagram

Import of fossil fuels in 2018

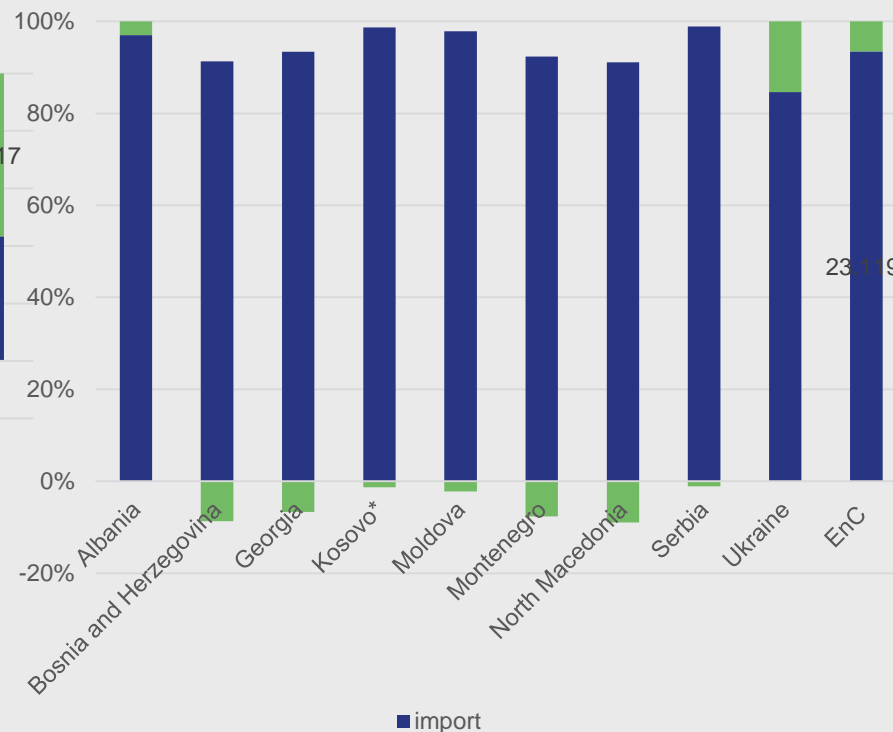


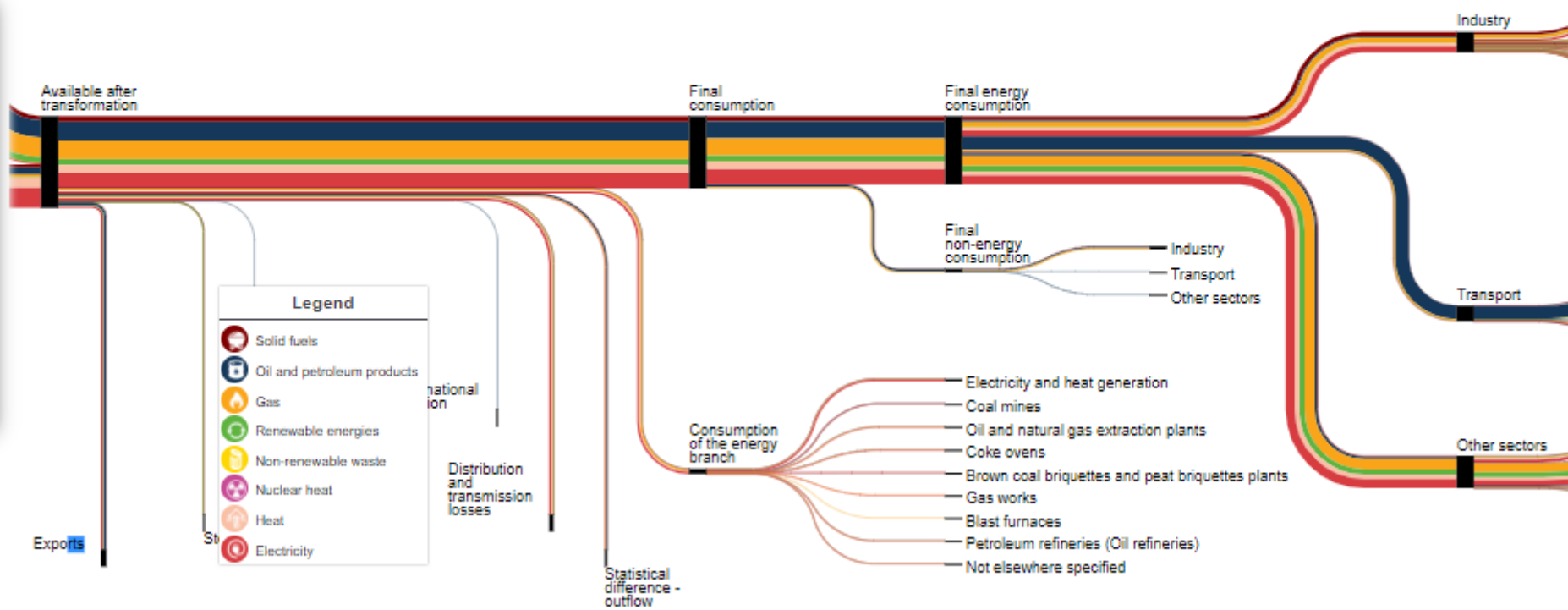
Import dependency (oil and natural gas) in 2018

Share of import in gross inland consumption of natural gas



Import in gross inland consumption of oil and petroleum products



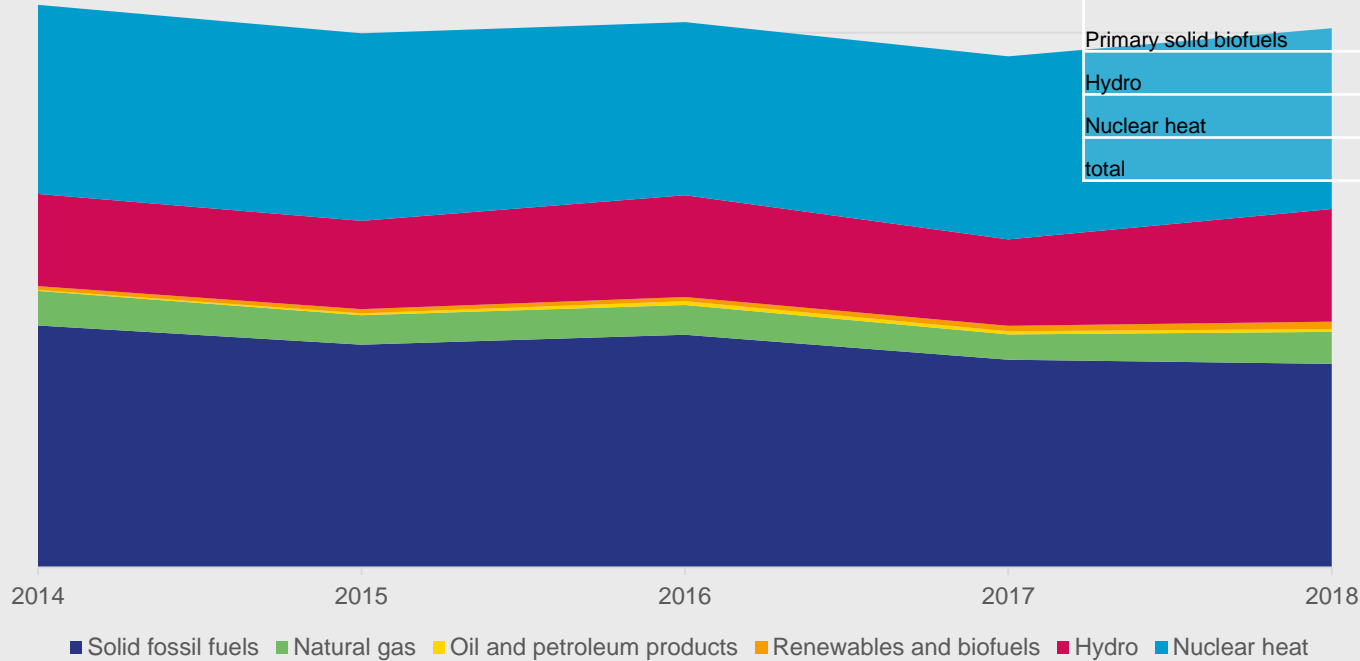


Trends in the Energy Community: electricity production



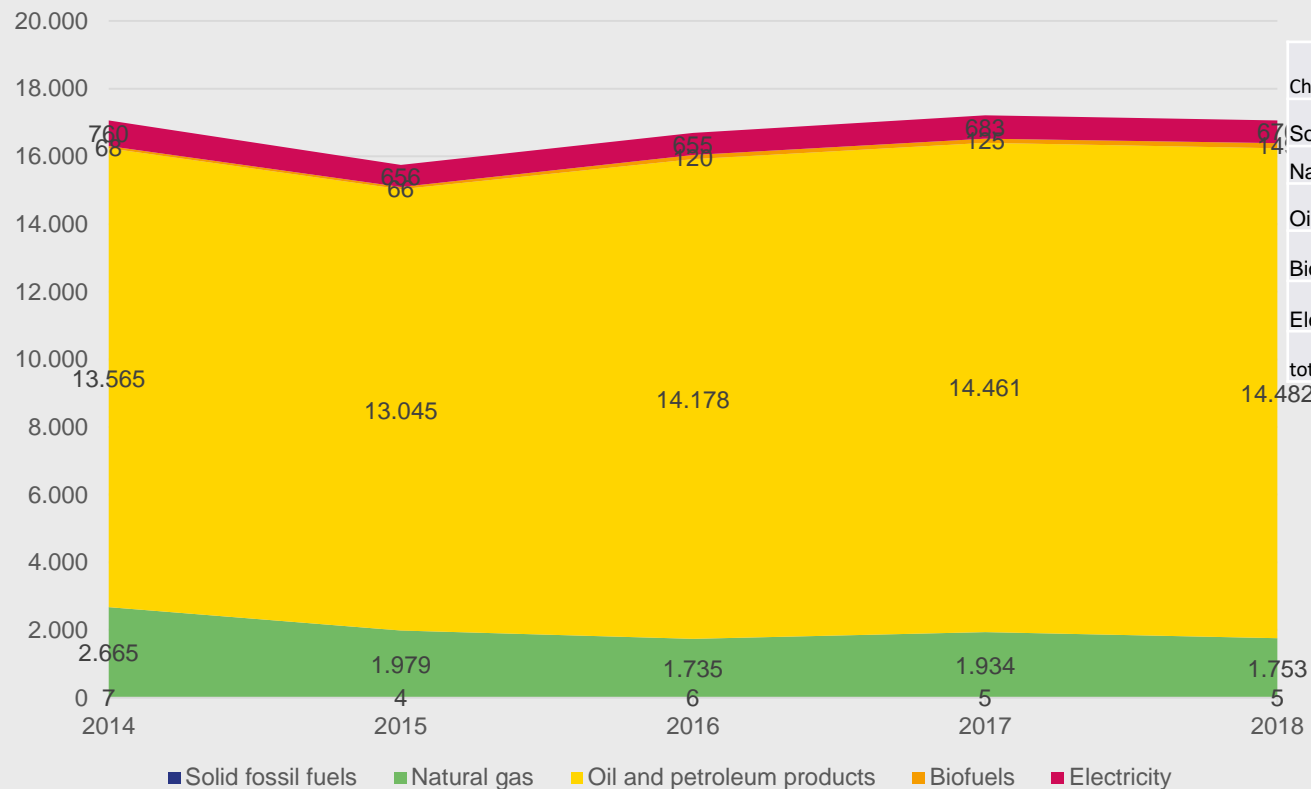
Energy mix for gross electricity generation

Change	2014-2018	2015-208
Solid fossil fuels	-16%	-9%
Natural gas	-7%	8%
Oil and petroleum products	209%	40%
Primary solid biofuels	92%	81%
Hydro	22%	28%
Nuclear heat	-5%	-4%
total	-4%	1%



Trends in the energy community - transport

Fuel consumption in transport (ktoe)

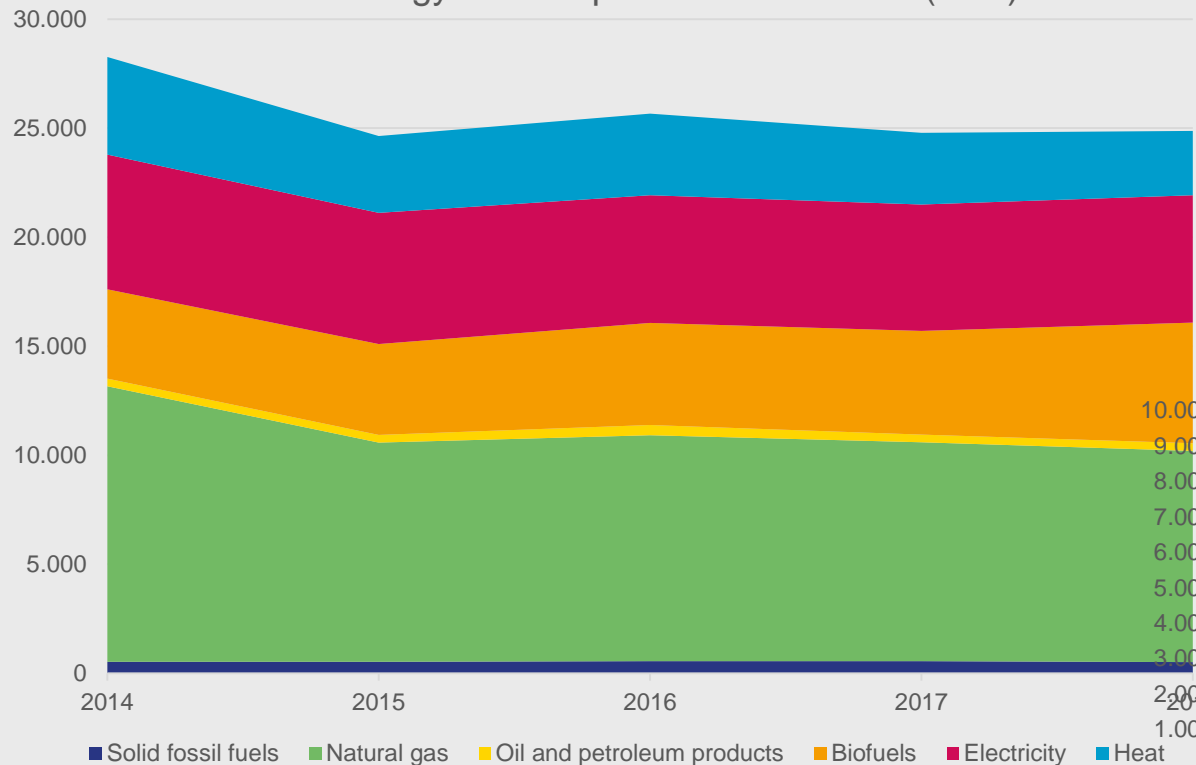


Change in %	2014-2018	2015-2018
Solid fossil fuels	-26%	21%
Natural gas	-34%	-11%
Oil and petroleum products	7%	11%
Biofuels	117%	126%
Electricity	-11%	3%
total	0%	8%

Trends in Energy Community – households

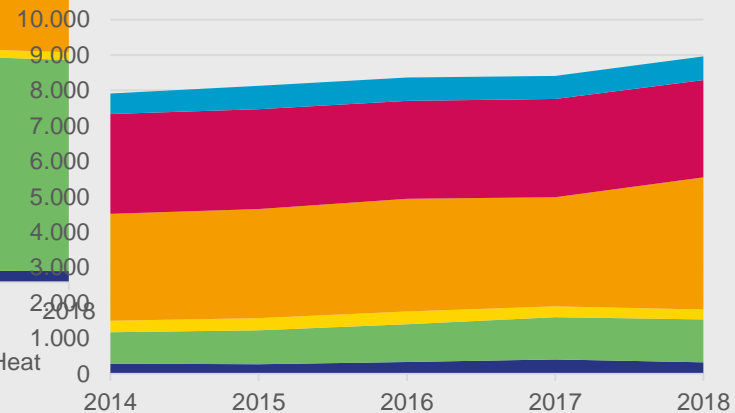


Energy consumption in households (ktoe)



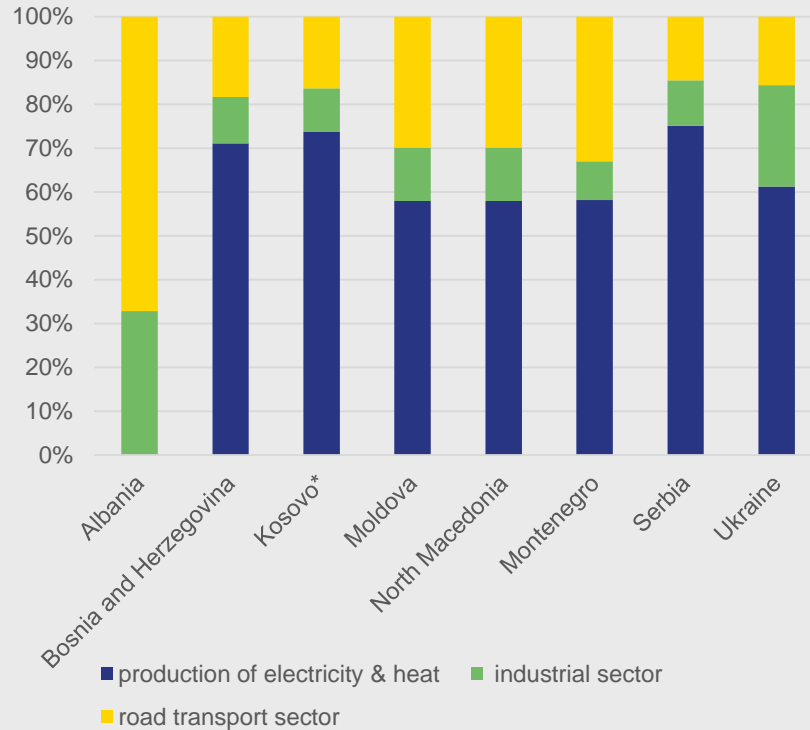
change in %	2014-2018	2015-2018
Solid fossil fuels	-4%	-4%
Natural gas	-23%	-4%
Oil and petroleum products	-1%	-1%
Biofuels	35%	33%
Electricity	-5%	-3%
Heat	-34%	-17%
total	-12%	1%

Energy consumption in households w/o Ukraine)

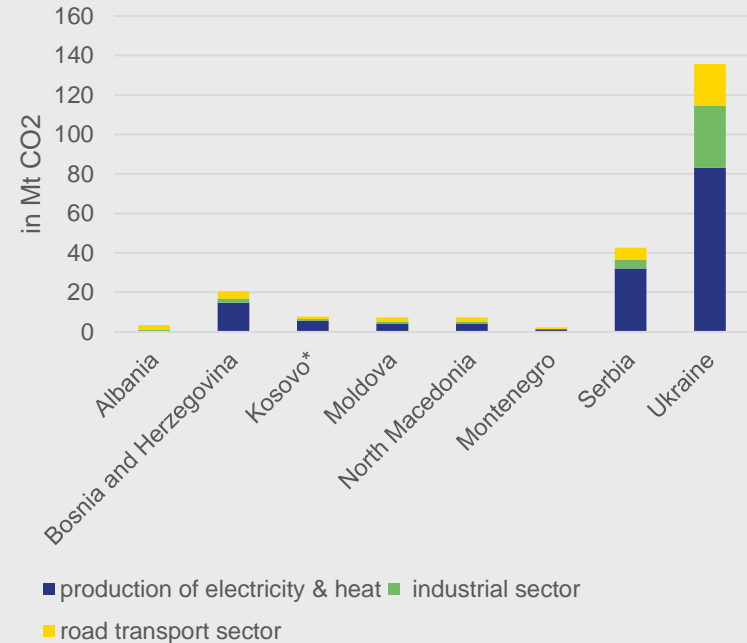


CO2 emissions from fuel combustion by sector in 2018

CO2 emission per sector



CO2 emission per sector



Data of today and data for tomorrow



It was history.

Future should be brighter and greener. (We still do not see impact of COVID and global economic downturn)

On the CP level analysts will search for connections, interdependencies, causes and consequences

This is basis for strategies, scenarios and policy measures in the planning phase.



THANK YOU for your kind attention

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