

# Nacionalna implementacija Agende 2030 kao odlicna prilika za smanjivanje negativnog uticaja zagađenog vazduha na ljudsko zdravlje

Prim. Dr Elizabet Paunovic



# Transforming our world: The 2030 Agenda for Sustainable Development



# Sustainable Development Goals and Health and Environment

Impetus is set by the 2030 Agenda for Sustainable Development:

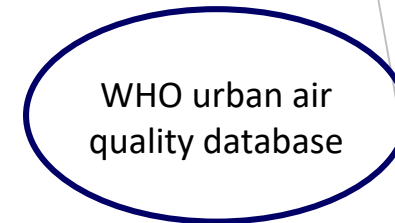
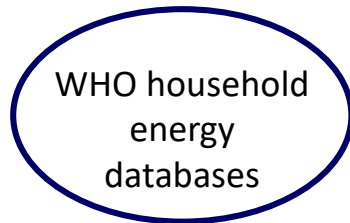
Health and well-being linked to environmental and work-related factors are outcomes, determinants and enablers of sustainable development.



# WHO is custodian of the air pollution-related SDGs

SDG 7.1.2: Percentage of population with primary reliance on clean fuels and technologies at the household level

SDG 11.6.2: Annual urban mean concentration of particulate matter (PM<sub>2.5</sub>), population-weighted



SDG 3.9.1: Mortality from air pollution

What : Household fuels types  
From : Household surveys, census  
Source: NSOs

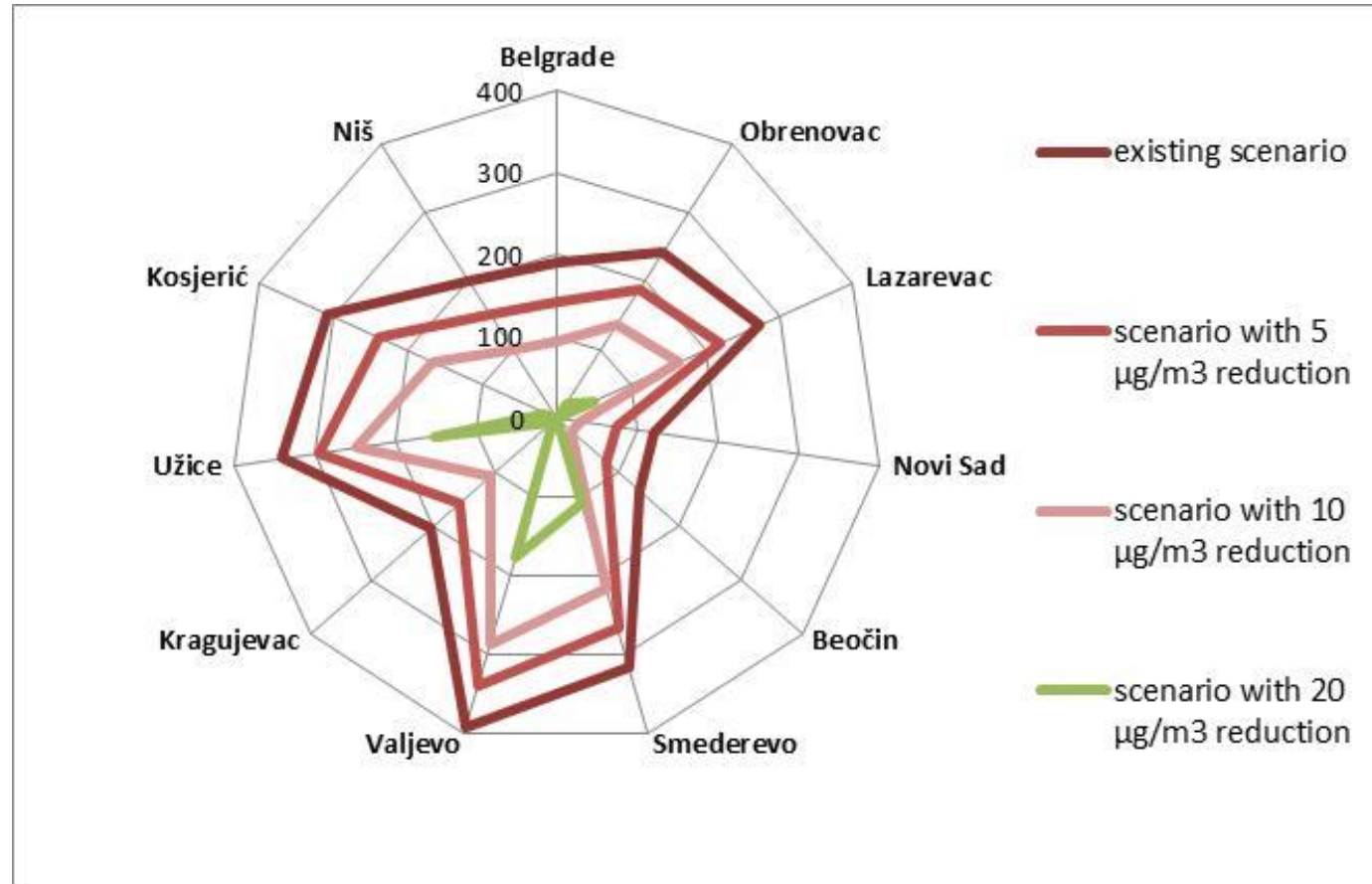
What : Annual mean PM<sub>10</sub>, PM<sub>2.5</sub>  
From : National monitoring networks  
Source: MoE or other

## Serbia: number of deaths, YLLs and DALYs attributable to ambient air pollution in 2016,

	Premature deaths			YLLs			DALYs		
	total	F	M	total	F	M	total	F	M
<b>Total</b>	<b>6,592</b>	2,979	3,613	<b>131,183</b>	50,696	80,487	<b>137,609</b>	53,754	83,855
<b>IHD</b>	3,111	1,469	1,641	61,387	23,632	37,755	62,044	23,922	38,122
<b>Stroke</b>	1,577	852	725	28,132	13,665	14,467	31,481	15,495	15,986
<b>COPD</b>	813	314	499	14,640	5,347	9,293	16,799	6,197	10,603
<b>LC</b>	802	216	586	21,260	5,764	15,496	21,444	5,819	15,625
<b>ALRI</b>	289	128	161	5,763	2,287	3,477	5,840	2,321	3,520

Source: WHO (2018)

# Projected reduction of number of deaths per 100,000: different air pollution scenarios



From the study performed by WHO and IPH “Dr. Milan Jovanovic Batut” (unpublished)

## Possible actions: interventions aimed at different sectors

**Industry:** industrial smokestack emissions; management of wastes;

**Energy**, including energy generation in **households**: ensuring access to affordable clean household energy solutions for cooking, heating and lighting;

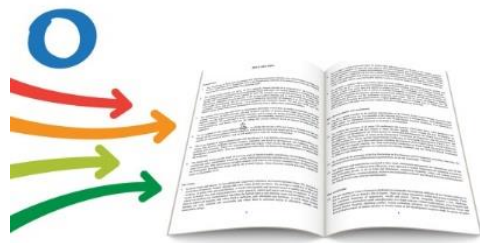
**Transport:** shifting to more sustainable mobility;

**Urban planning:** improving the energy efficiency of buildings, making cities more green and compact;

**Power generation:** increased use of low-emissions fuels and renewable combustion-free power sources;

**Municipal and agricultural waste management:** waste reduction, waste separation, recycling and reuse or waste reprocessing; improved methods of biological waste management;

**Agriculture:** reducing releases of ammonia



# Transforming our world: The 2030 Agenda for Sustainable Development





Hvala na pažnji