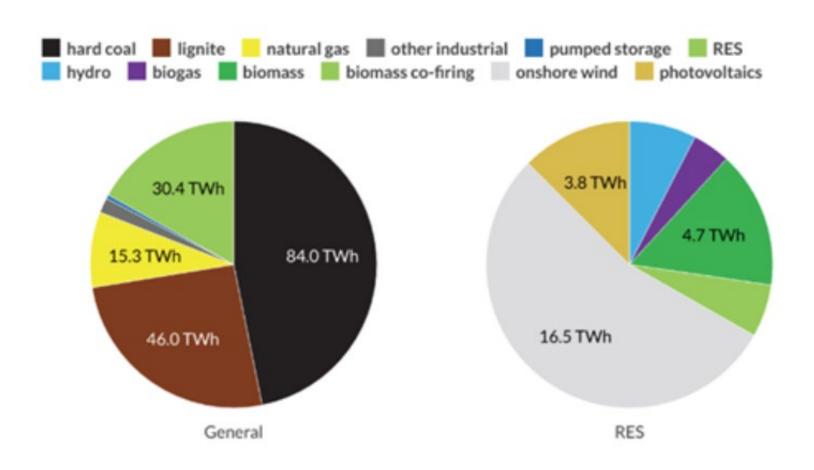




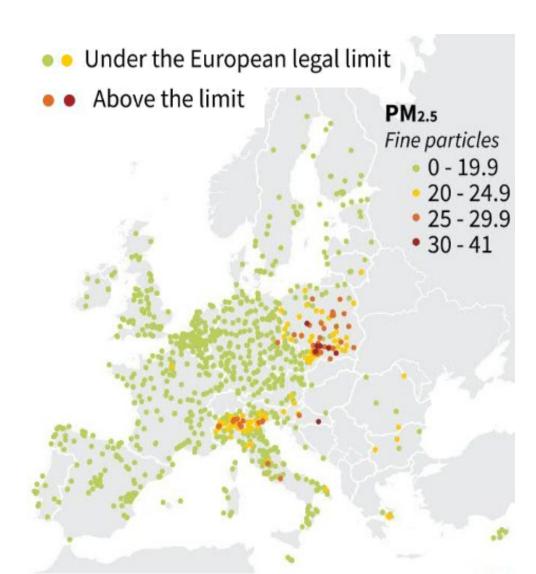
#### **Electricity production in Poland**





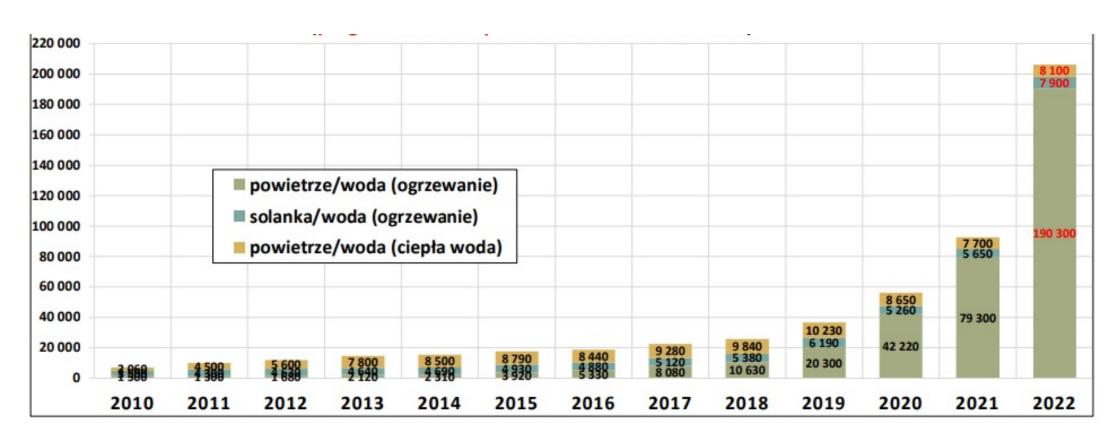
## Air pollution







## Sales of heat pumps in Poland





#### **Warsaw Anti-smog Programme**

In 2017, Warsaw introduced its own subsidy scheme for the replacement of inefficient boilers. In 2019 we introduced priority subsidies for heat pumps together with pv.

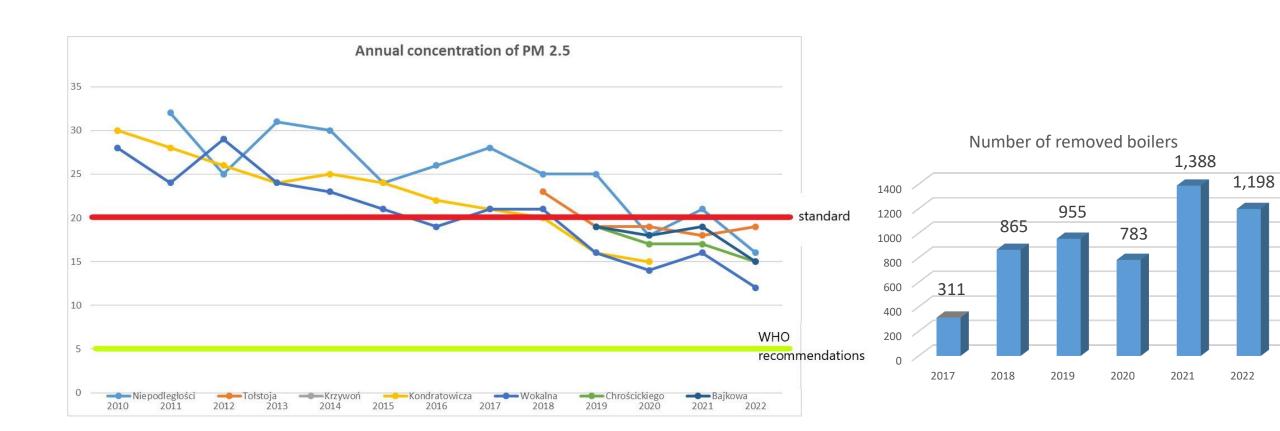
In 2017, there were 15,000 inefficient coal and wood boilers in Warsaw.

Between 2017 and 2022, 5,500 solid fuel boilers were replaced thanks to municipal subsidies, and the number of boilers fell from 15,000 to 5,000.

In 2017, the regional authorities banned the use of inefficient solid fuel boilers in Warsaw from 1 January 2023.



### Warsaw air quality





## **Energy Poverty**

Heating device	Fuel/ source of heating	Cost per unit	Annual consuption	Annual cost (euro)
Coal stoves	coal	1500 PLN/t	7,5 t	2 387
Heat pump	electricity	0,81 PLN/kWh	10 041 kWh	1 727
Heat pump + pv	electricity	0,81 PLN/kWh	5 020 kWh	863
Heat pump + retrotitting	electricity	0,81 PLN/kWh	4 683 kWh	805
Heat pump + retrofitting + pv	electricity	0,81 PLN/kWh	2 342 kWh	403



# INCLUSIVE CLIMATE ACTION ICA)

#### **Stop Smog Programme**

Dedicated to low-income residents

Heaters exchange combined with retrofitting

Co-financed by the government and local government

Reduction of heat energy demand by at least 30%

the maximum grant amount is EUR 12,000

