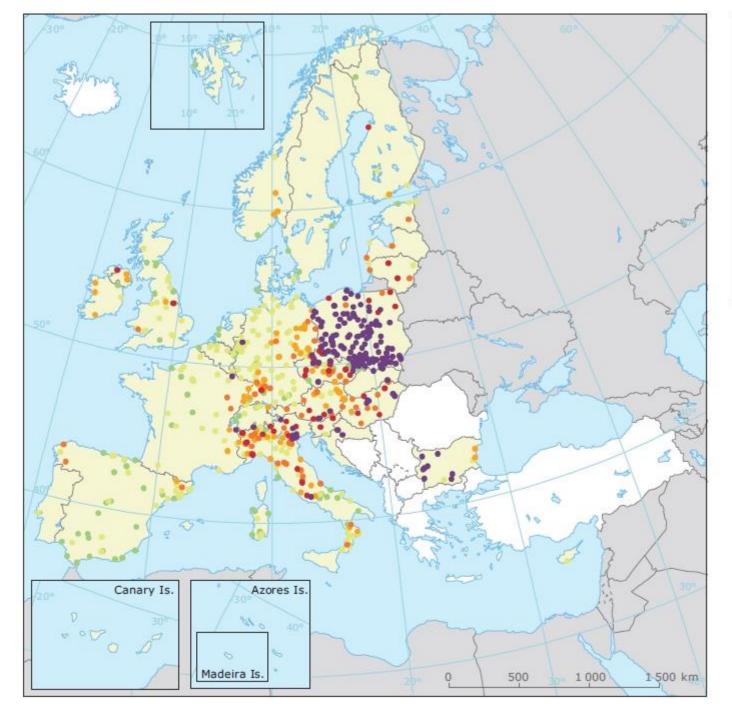
Air Pollution from Residential Heating in Poland – State of Play 2020

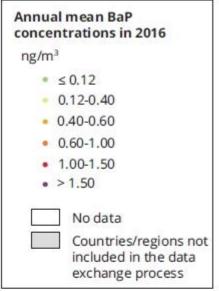
Andrzej Guła, Krakow Smog Alert Kraków, LIFE IP Workshop 25-26 February 2020



Problem Solution Public involvement

BRONISZÓW – MAŁOPOLSKA VOIVODESHIP





Benzo(a)pyrene annual mean concentrations in Europe

Source: European Environmental Agency. Air Quality in Europe 2018

BaP concentrations in EU, 2016

ng/m³ 10 ך

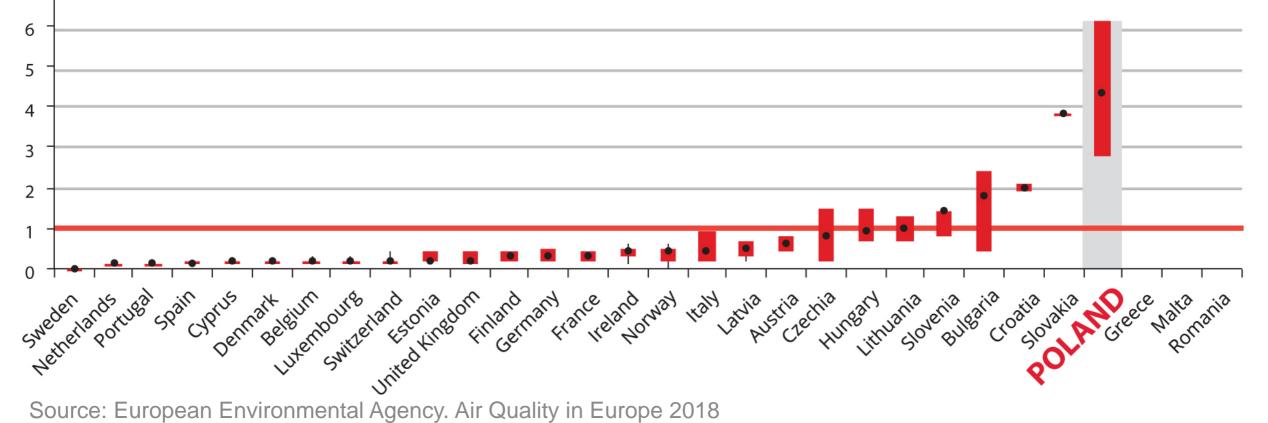
9

8

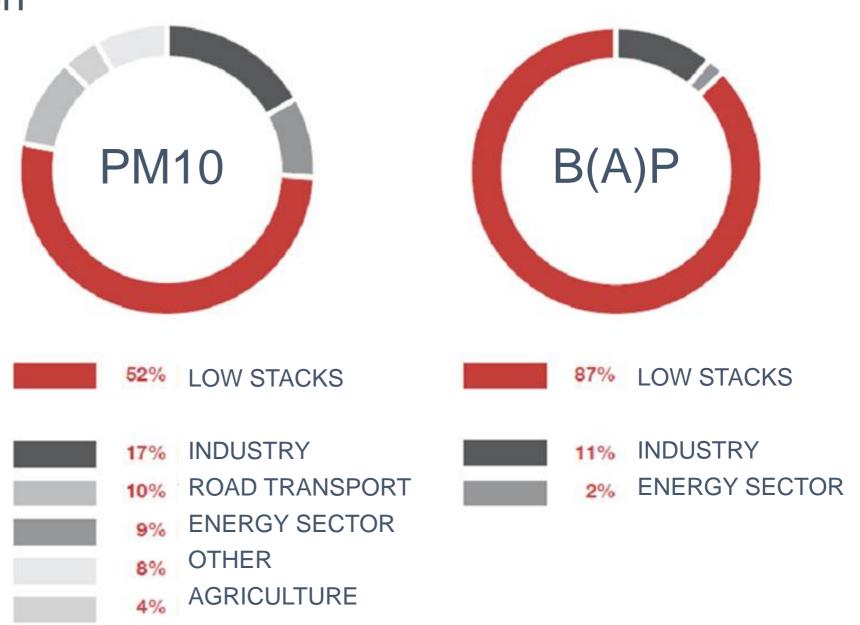
7

POLAND Country average concentration ca. 4.5 ng/m³





Low-stack emission is a major source of B(a)P and PM emissions



>80% of single-family buildings in Poland use solid fuels for heating





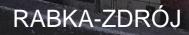
WOLIBÓRZ DOLNOŚLĄSKIE VOIVODESHIP

ZAKOPANE WINTER CAPITAL OF POLAND

RABKA-ZDRÓJ HEALTH RESORT

-

ND PAST







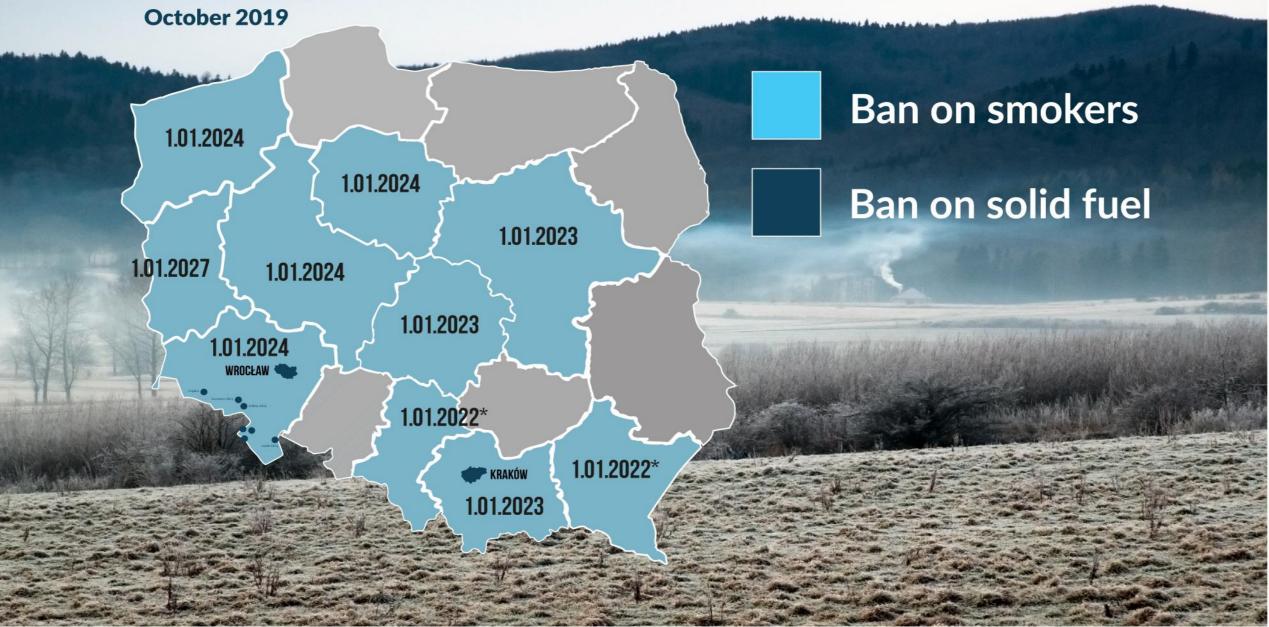




Solution Regulations Support measures Public campaigns

PLESZEW

Ban on using smokers and solid fuel





Ban on sales of non-compliant boilers: 2017 - 2020

Extremely poor standards for coal

Clean Air Priority

Program: **25 billion Euro** for boiler replacement and thermal retrofits of Single Family Buildings

2018 - 2029

From local to national 2012 – 2019

POWIETRZA

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Sn.



September 1, 2019 BAN ON USING COAL AND WOOD IN CRACOW

Ostatnie ostrzeżenie! Od <mark>1 września 2019</mark> palenie węglem i drewnem nielegalne Grzywny do 5 000 zł

Kraków

Wejdź na: wymianapieca.krakow.pl

Żółta kartka dla palących węglem i drewnem!

#NieDuś

Thank you for your attention www.polishsmogalert.org