

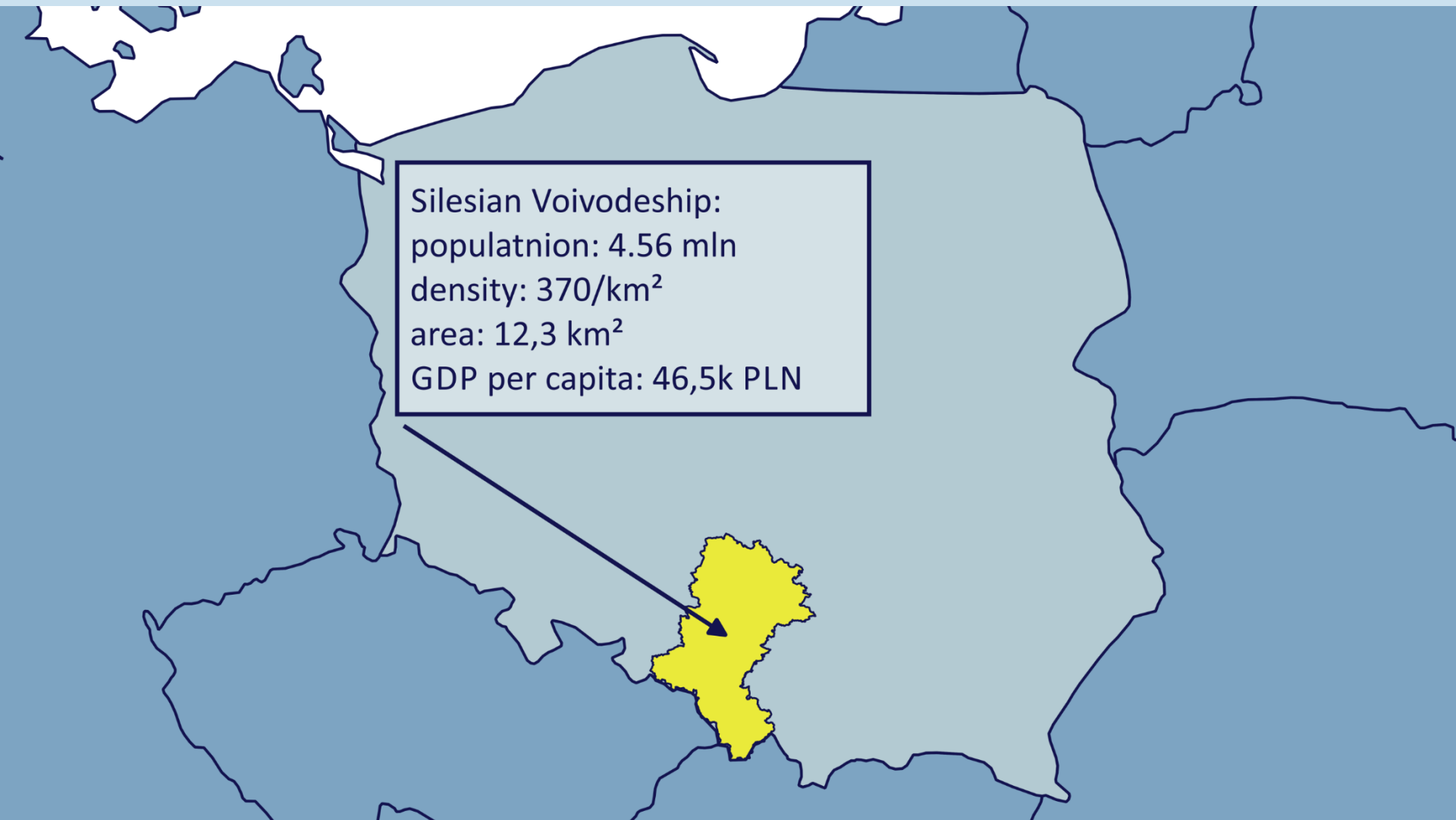


# Transition in the UE Coal region

## The Silesian Voivodship

Stefania Koczar-Sikora  
Deputy Director of the Department for Regional Development  
Marshal's Office of Silesian Voivodship

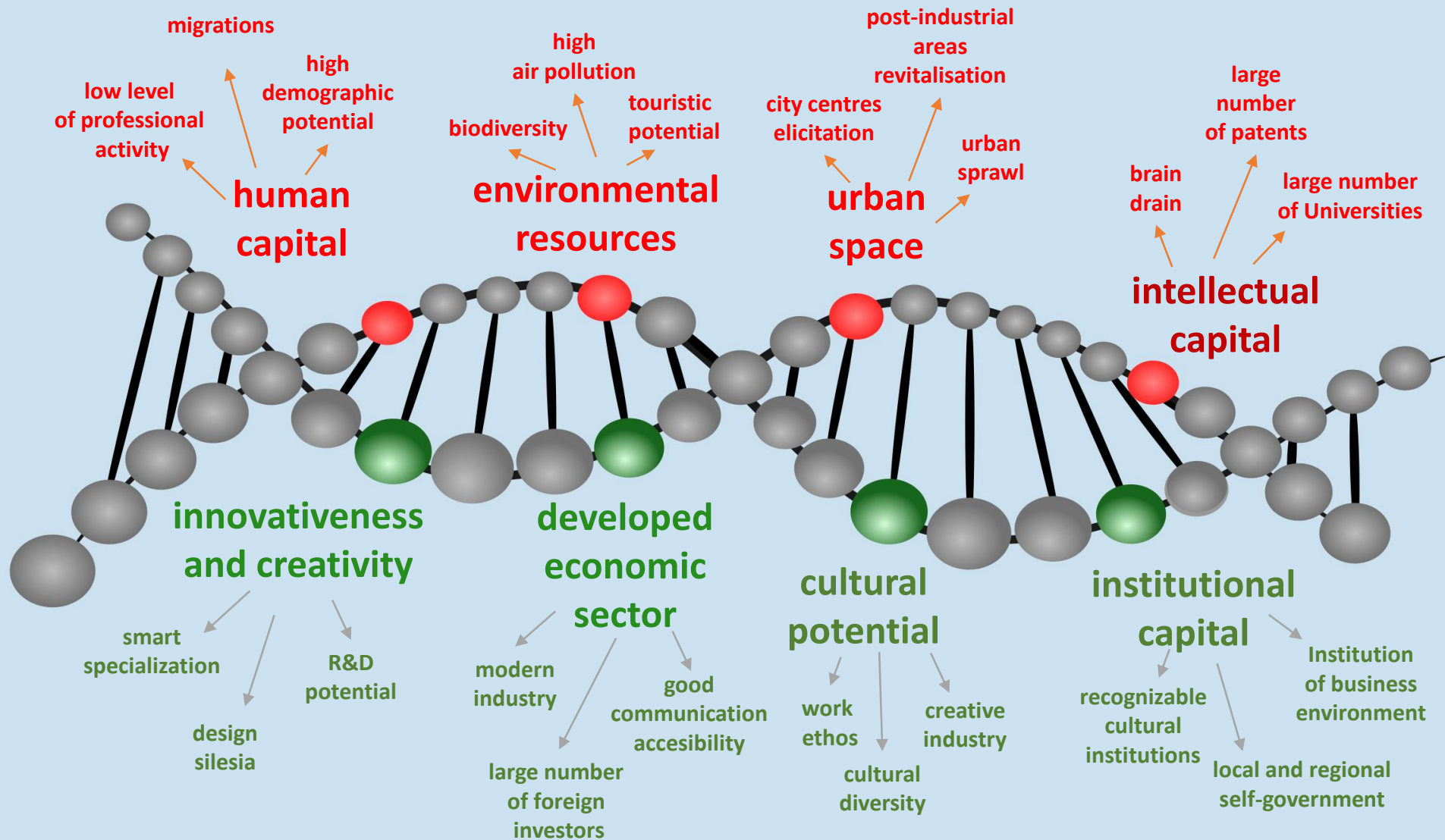
## Silesian Voivodship – basic data



A map of Poland is shown with a light blue background. The Silesian Voivodship is highlighted in yellow. A black arrow points from a text box to the yellow region. The text box contains the following information:

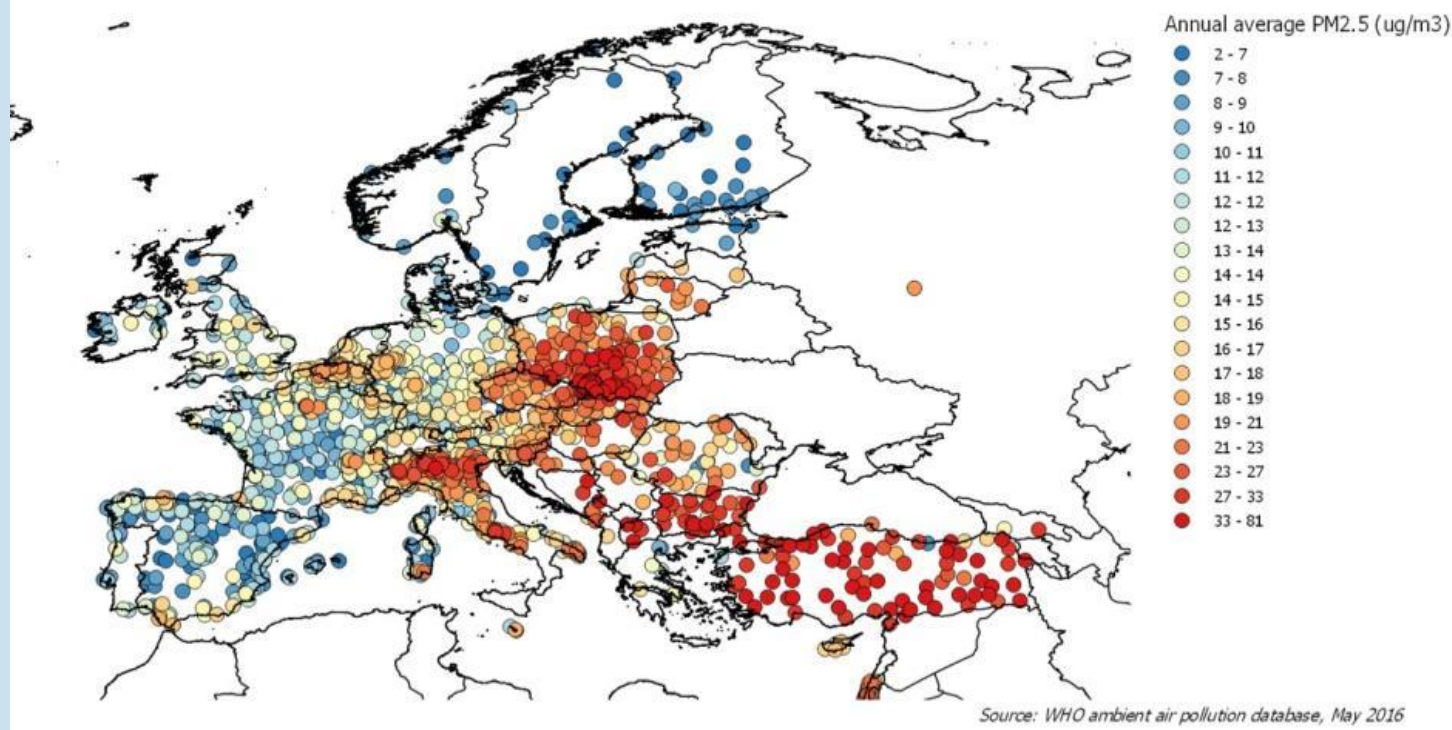
Silesian Voivodeship:  
population: 4.56 mln  
density: 370/km<sup>2</sup>  
area: 12,3 km<sup>2</sup>  
GDP per capita: 46,5k PLN

# DNA OF THE REGION



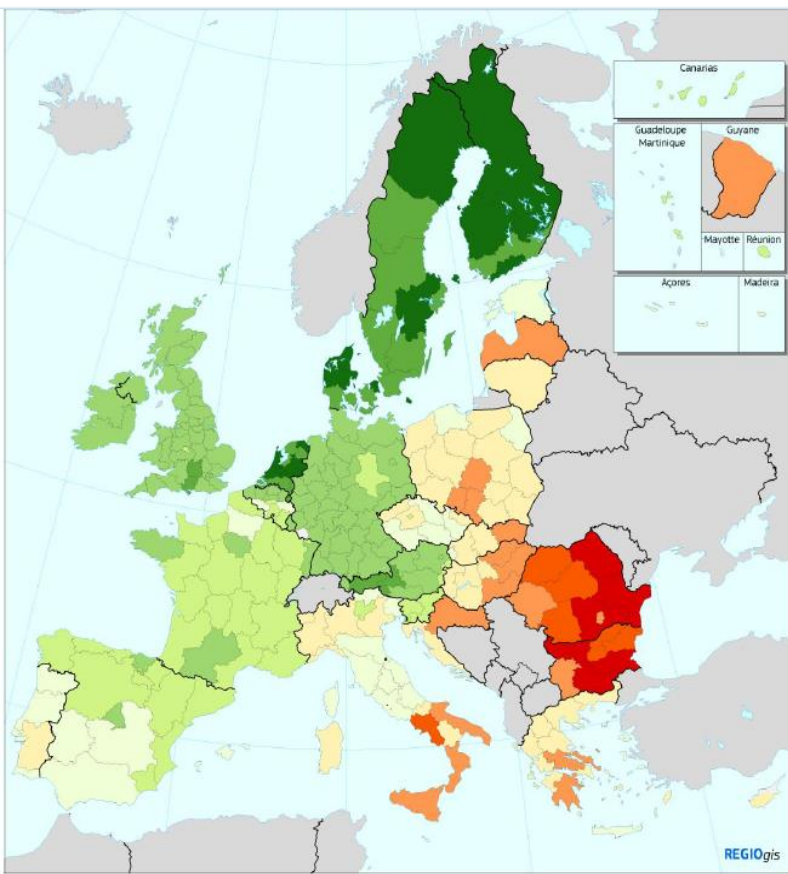
# Silesian Voivodship – environment as a challenge

## Average air pollution levels in European cities



WHO Global Urban Ambient Air Pollution Database (update 2016):  
from the 50's the most polluted cities and town in UE, 33 are in Poland,  
13 are in Silesia Voivodship

# Silesian Voivodship – environment as a challenge



The European Social Progress Index, developed for the European Commission, places the Silesian Voivodship in **250th** out of the **272** territorial units surveyed (the last among the regions of Poland)

Dimension	Silesian Voivodship rank
Basic Human Needs	253
Foundations of Wellbeing (including Environmental Quality 272)	249
Opportunity	215

EU Social Progress Index



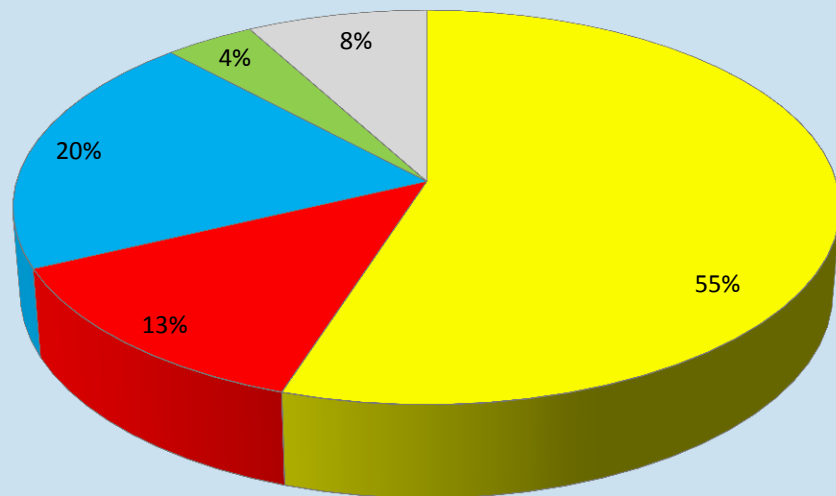
Source: DG REGIO

0 500 Km

© EuroGeographics Association for the administrative boundaries

# Silesian Voivodship – structure of air pollution

The contribution of individual emission sources of pm10 in Silesian Voivodeship



❖ The annual air quality assessment in the Silesian Voivodeship indicates a very bad air quality in the voivodship due to exceedances of permissible levels of pm10, pm2,5 and target benzo (a) pyrene

- residential heating
- transport
- point emission
- agriculture
- others



# Anti-smog resolution in Silesian Voivodship (April 2017)

## The resolution covers the entire Silesian Voivodship

It covers all boilers and solid fuel furnaces. It applies to communal sector and business (boilers up to 1 MW)	It prohibits the use of bad quality fuels	Only boilers of 5th class according to European standards (PN-EN 303-5:2012) or an Ecodesign boilers can be used
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Date limits for the replacement of individual installations depending of the date of production

**2022** - for installations over 10 years from the date of production

**2024** - for installations from 5 to 10 years from the date of production

**2026** - for installations less than 5 years from the date of production

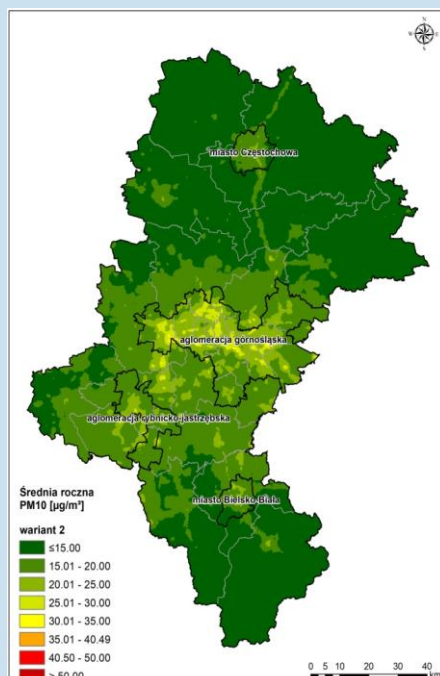
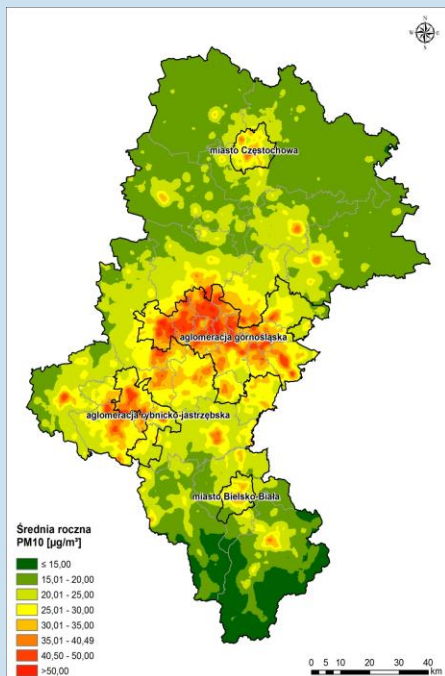
**2028** - for installations class 3 and 4 according to European standards

Estimated  
700.000  
installa-  
tions



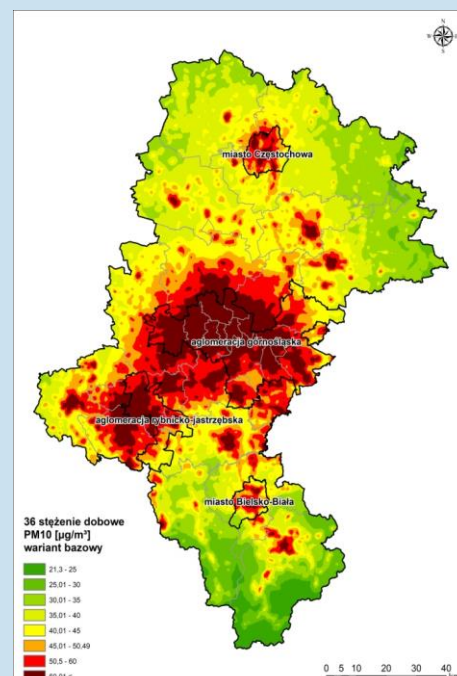
# The distribution of concentrations of PM10

## – before and after the implementation of anti-smog resolution

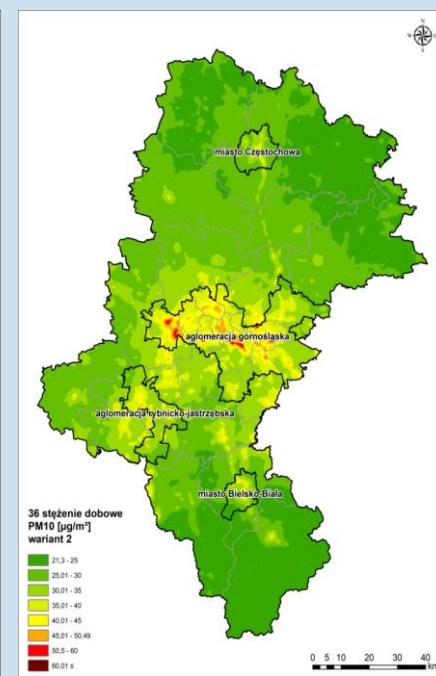


Annual average concentration of PM10  
in 2015

in 2027



36th daily concentration of PM10  
in 2015



in 2027



# Catching-up Regions Initiative

Initiative of the World Bank and the European Commission, which the Śląskie and Małopolskie voivodships joined in June 2017

## Scope

- Energy efficiency of detached houses and air quality in both regions

## Realisation period

- July 2017 – March 2018

## Effects

- Elaboration of recommendations for the most effective instrument for supporting energy efficiency improvement of detached houses, which will be the model of solutions for other voivodships

# Implementing Cohesion Policy

## – Regional Operational Programme of Silesian Voivodship

Marshal's Office of Silesian Voivodship is an experienced Managing Authority of ROP with a sound administrative capacity

2007-2013



1,75 billion euro  
*[ERDF]*

2014-2020

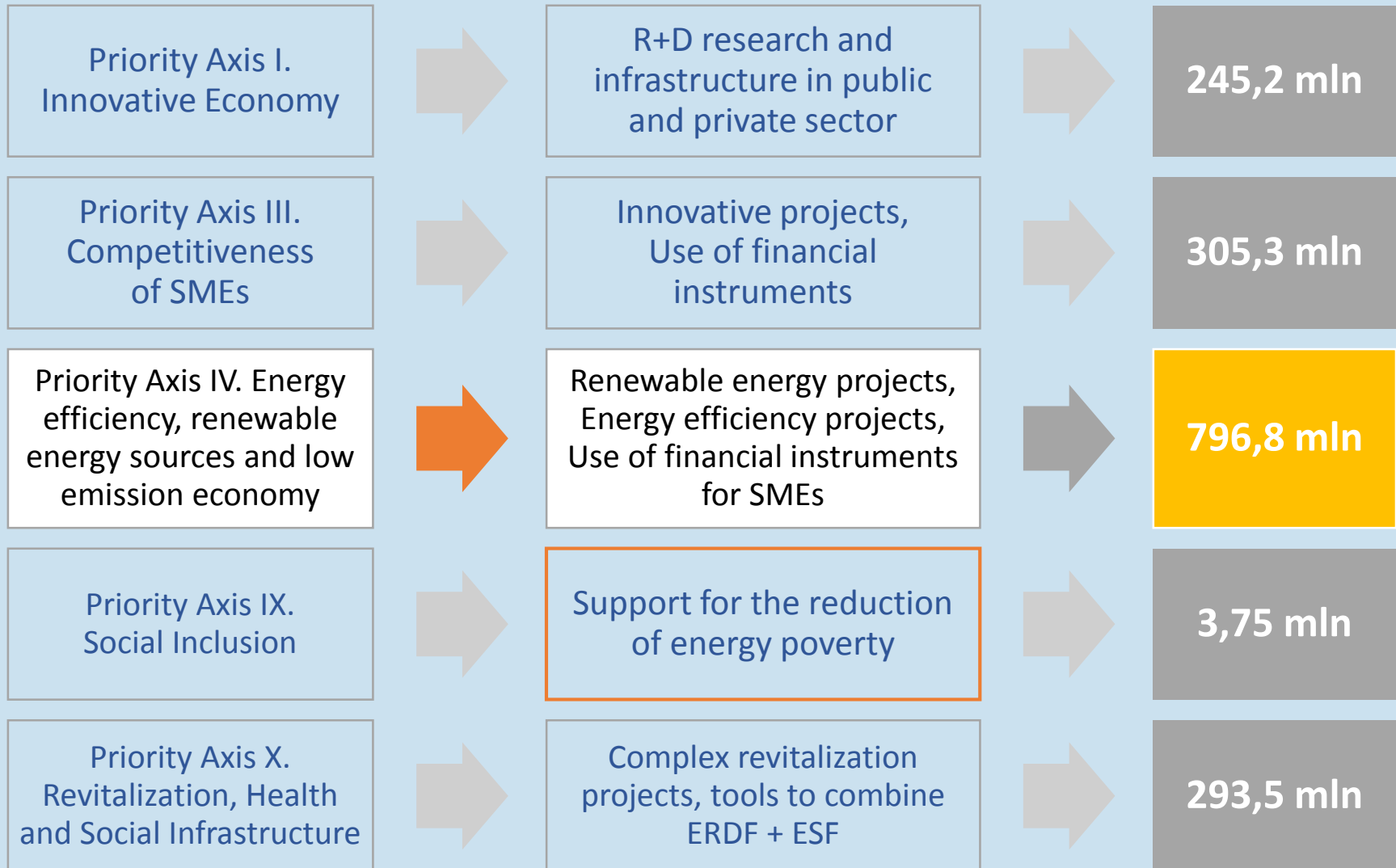


3,5 billion euro  
*[ERDF+ESF]*



**Biggest ROP  
in EU**

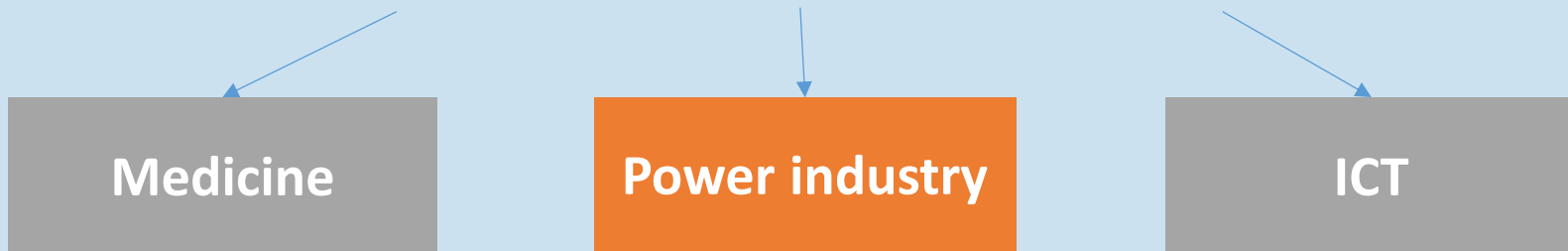
# Regional Operational Programme of Silesian Voivodship 2014-2020



# Regional Innovation Strategy of the Silesian Voivodship

In 2012 Silesian Voivodship adopted Regional Innovation Strategy which shows the directions for restructurisation of the regional economy

## SILESIAN SMART SPECIALISATIONS



### Projects planned to be co-funded under ROP SV:

1. Center of Clean Coal Technologies: development of knowledge and competences of the regional economy around clean coal technologies [Central Mining Institute]
2. Technology Specialisation Center ENERGY - ENVIRONMENT - HEALTH [Central Mining Institute in cooperation with partners]

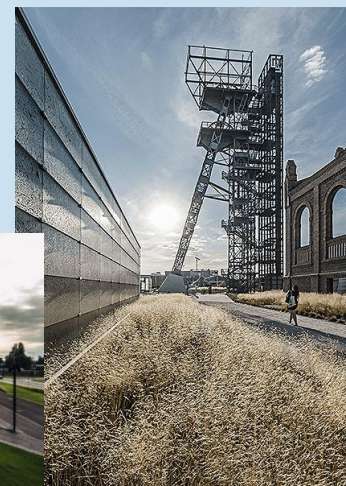
# Where were we? Where are we heading?



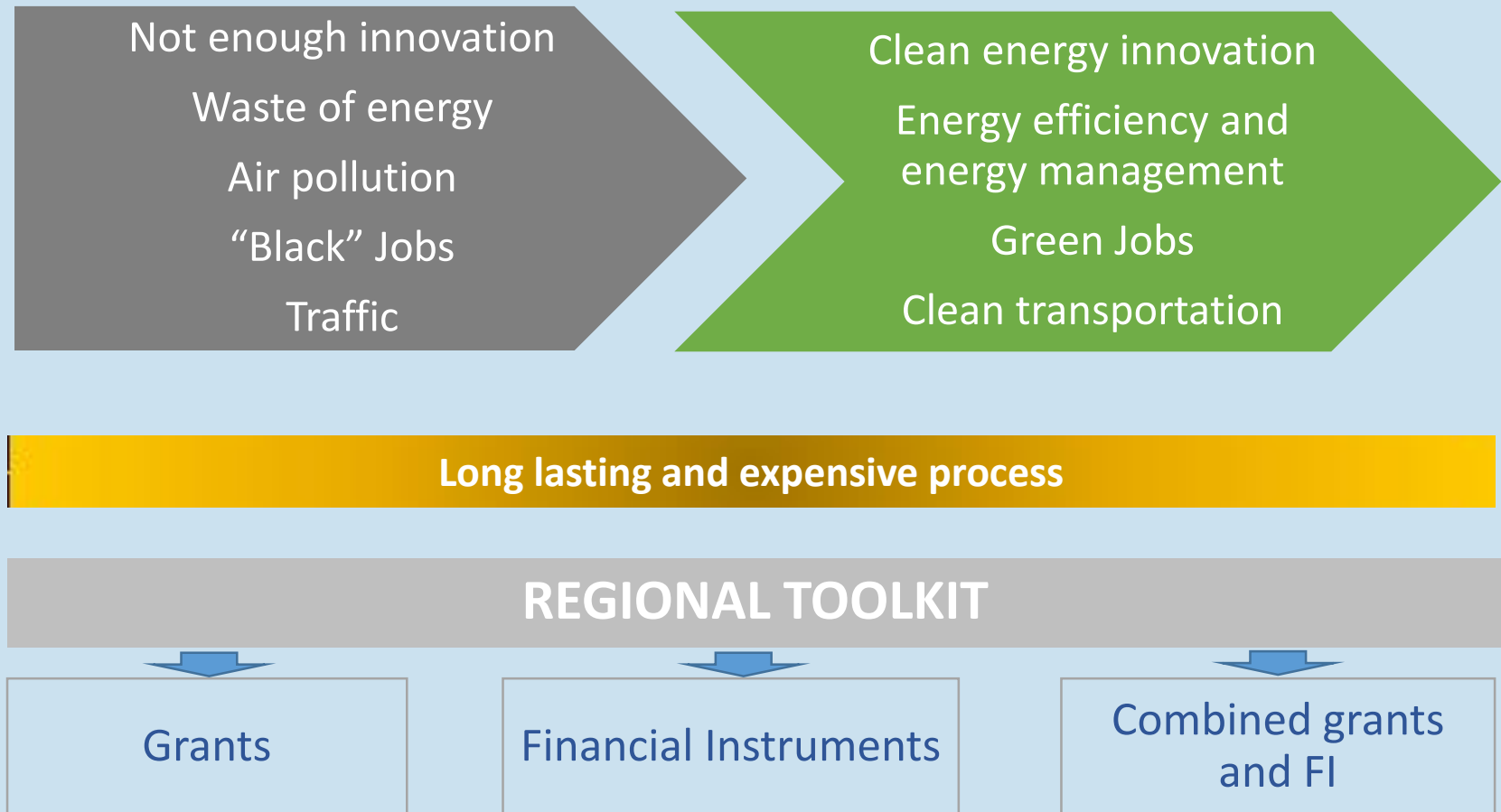
**2000/2002**  
10% share of coal mining in GDP  
0,32% GDP spent on R+D  
(342,5 mln PLN)  
38,7 thousands t/r  
– dust pollution

**2016**  
7% of coal mining in GDP  
0,61% of GPP spent on R+D  
(1352,2 mln PLN)  
9,1 thousands t/r  
– dust pollution

**2030?**



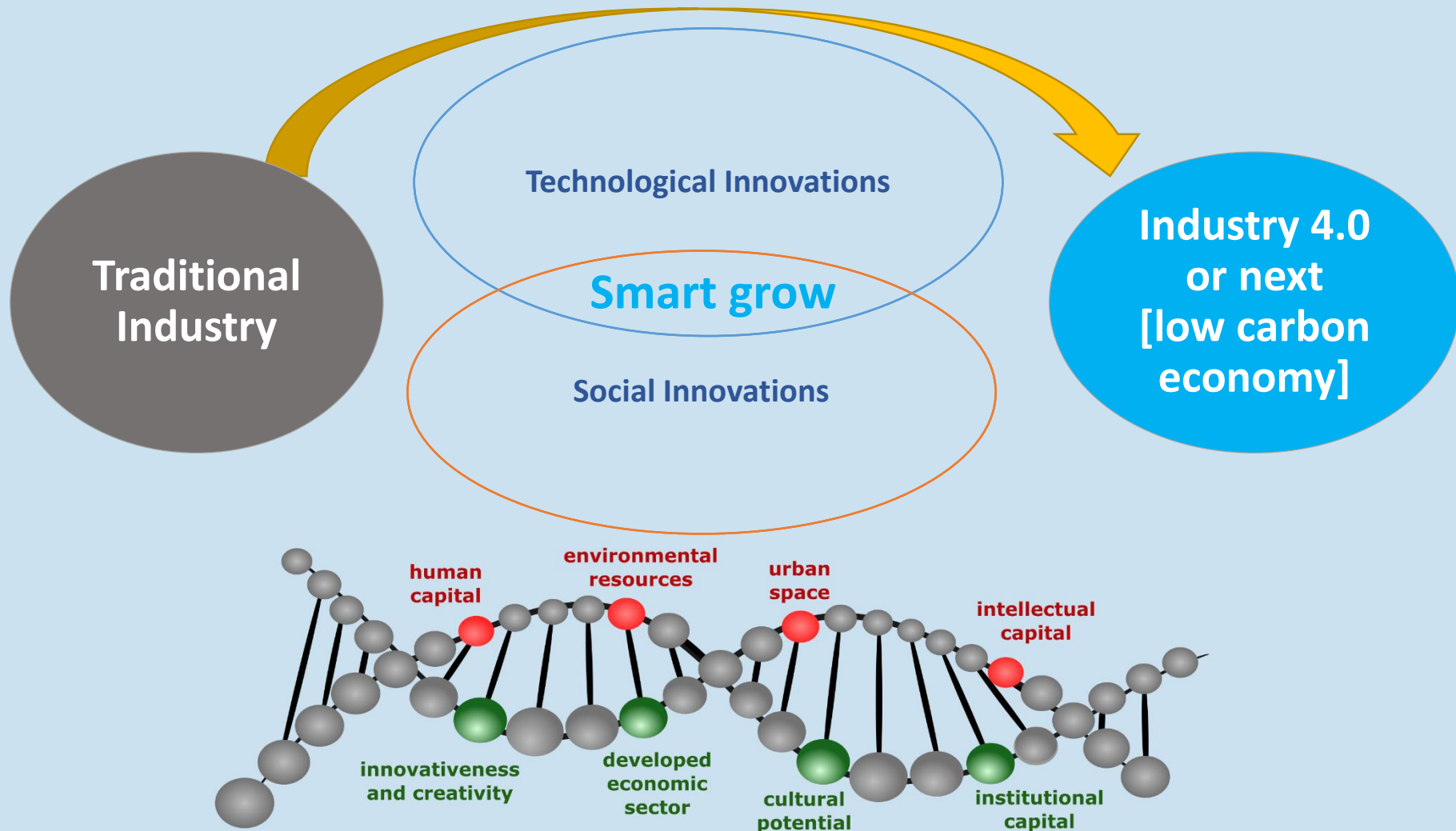
# Addressing the challenges after 2020





# How do we regard the role of the Initiative?

## EU Coal Regions in transition Initiative



**Thank you for your attention**

**Mrs. Stefania Koczar-Sikora**

**Deputy Director of the Regional Department**

**Marshal's Office of the Silesia Voivodship**

Ul. Ligonja 46, 40-037 Katowice

T: +48 32 77 99 282, +48 32 77 99 175

F: +48 (32) 77 99 174

E-mail: [skoczar@slaskie.pl](mailto:skoczar@slaskie.pl) [fundusze@slaskie.pl](mailto:fundusze@slaskie.pl)

[www.slaskie.pl](http://www.slaskie.pl) [www.rpo.slaskie.pl](http://www.rpo.slaskie.pl)