

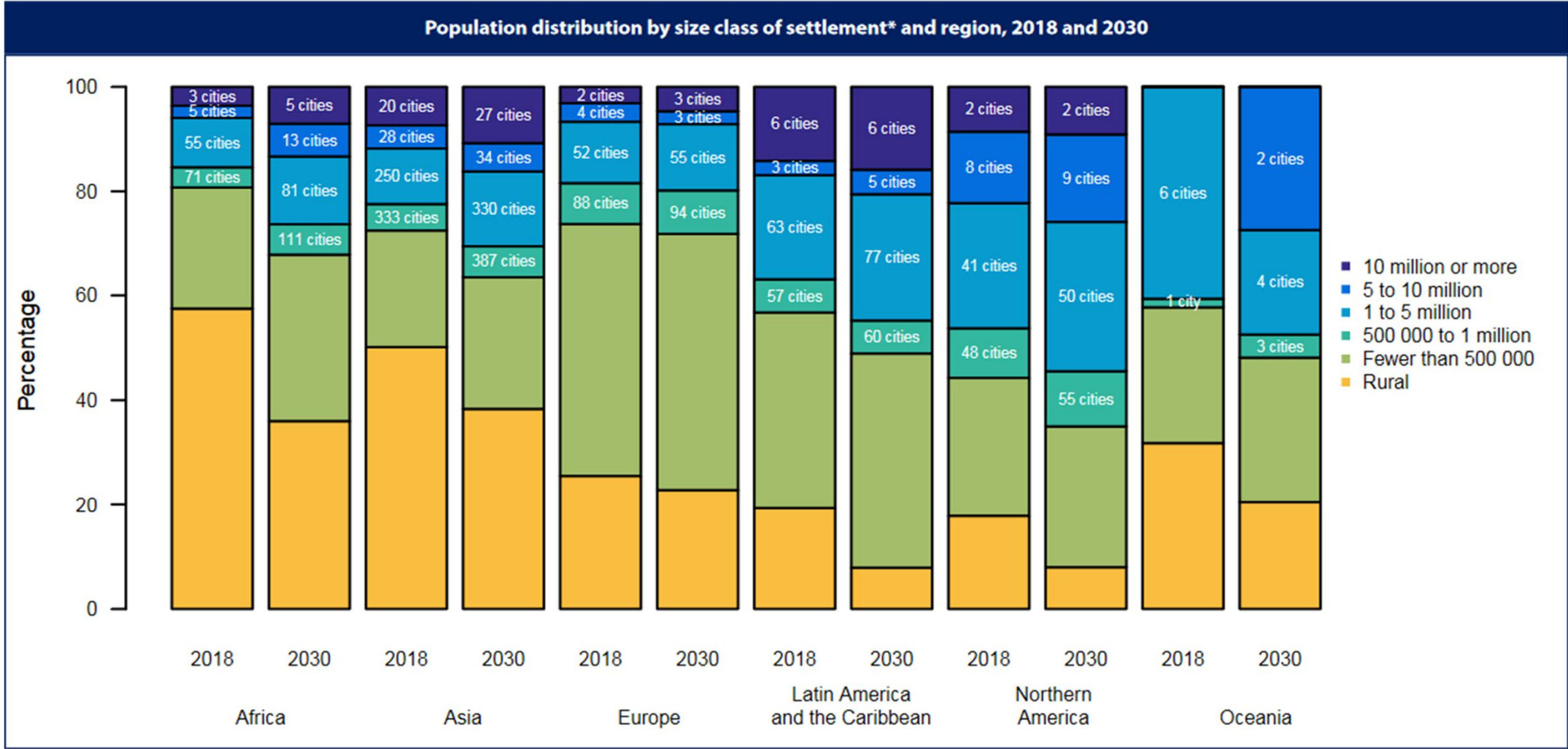


Transforming cities towards resilience and neutrality

Wojciech Augustowski
Ministry of Climate and Environment

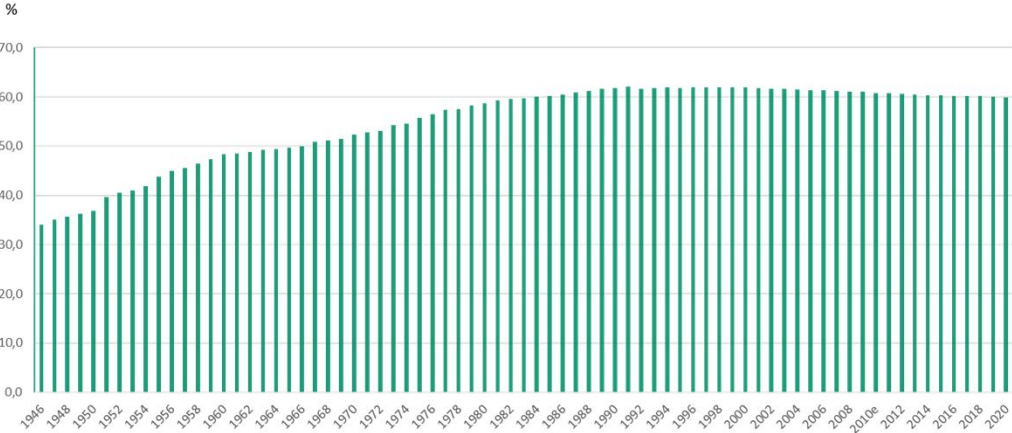


Global distribution of urban population

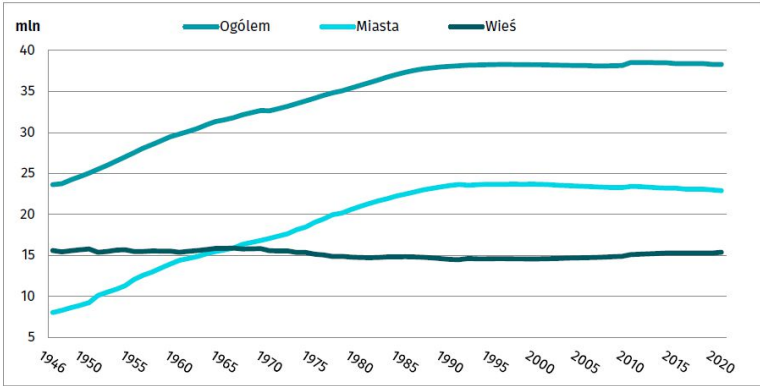


Poland: Population in cities, including forecast to 2050

Share of the total urban population in the population (%)



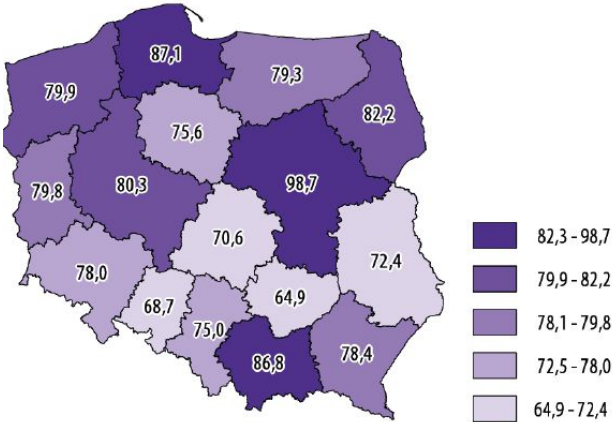
Population in towns and villages in the years 1946-2020



Population in cities in 2012-2021



Population dynamics in 2014-2050 in cities by voivodship (2013=100)



Cities in Poland

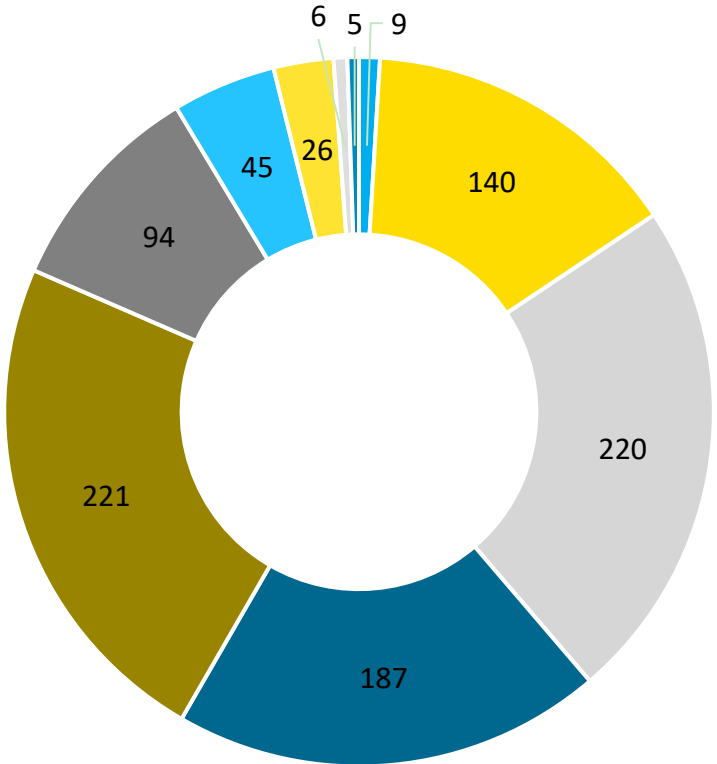


Chart. 1 Number of cities in the city per inhabitants [GUS]

- <1 k
- 1-2,5 k
- 2,5 - 5 k
- 5-10 k
- 10-25 k
- 25-50 k
- 50-100 k
- 100-250 k
- 250-500 k
- >500 k

As of January 1, 2021, there are **954 cities** in Poland.

The largest city in Poland is **Warsaw** (population: 1,794,166), and the smallest city in Poland is **Opatowiec** (population: 336).

The size of the cities	Number of cities	The number of residents
< 50 tys. residents	871 (91%)	9.243.077 (40%)
> 50 tys. residents	83 (9%)	13.685.527 (60%)
sum	954	22.928.604

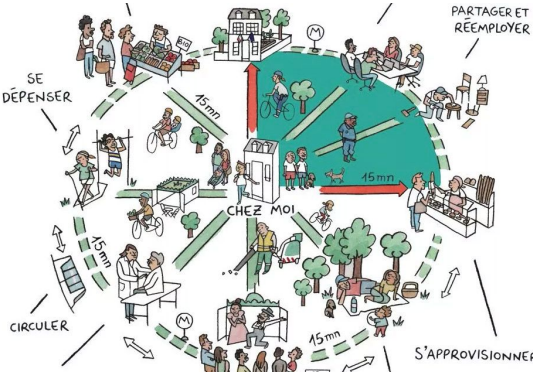
Modern city - approaches

3-30-300 approach

the 3-30-300 rule:



15 minute city



20 minute neighbourhood



Challenges of urban policy in terms of climate and environment



air quality



increasing the biologically active surface; nature-based solutions



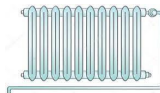
urban retention (green and blue infrastructure)



spatial planning



urban transport (zero and low-emission)



heating



renewable energy sources

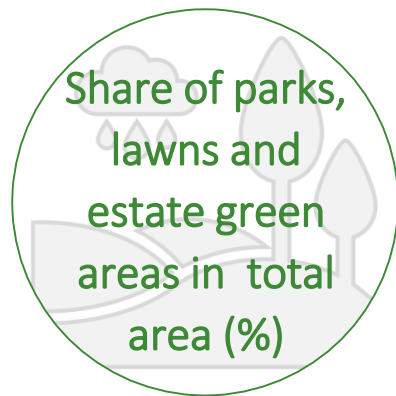


energy-efficient construction (including natural, renewable resources)

Activities of the Ministry of Climate and Environment for the transformation of cities



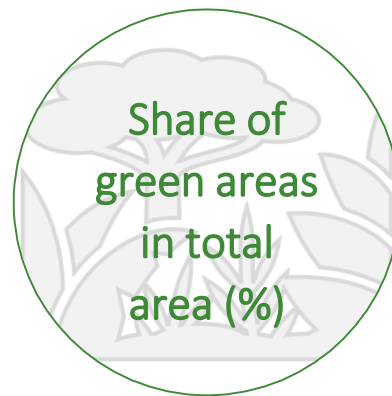
Data on green areas in Polish cities [GUS, 2020]



Leaders:

Łęknica - 28,2
Chorzów - 20,8
Człuchów - 19,8

371 cities < 1%
849 cities < 5%



Leaders:

Piwniczna-Zdrój - 45,37
Łęknica - 29,76
Głuchołazy - 29,49

183 cities < 1%
709 cities < 5%



<u>Leaders:</u>	Planting	Cutting
Siechnice	400	0
Kolbuszowa	200	0
Kowal	176	0
Buk	340	2

306 cities with
negative balance

No more concrete in city centers – an initiative of the Polish Deal

The Ministry of Climate and Environment is coordinating the „End with Concrete initiative in city centers” indicated in the document Polish Deal

The goals of the initiative:

- limiting the so-called "Concreteosis" and urban heat island phenomena,
- increasing the level of micro and small retention and green areas in cities
- creating financial and legal solutions supporting the achievement of the assumed goals
- establishing a minimum percentage of biologically active space in cities



No more concrete in city centers – an initiative of the Polish Deal

Strengthening coordination in climate change adaptation policy between local, regional and national authorities

Handbook and training courses supporting decision-making resulting in spatial development with greater use of blue-green infrastructure

Cooperation with cities regarding the implementation of tasks aimed at removing concrete from urban spaces

Assessment of the greening of selected Polish cities with an indication of its effects on their climatic and hydrological situation and the quality of life of their inhabitants. Recommendations: towards green compact cities

PROJECT *Climate-Friendly City*

LEGISLATION

bill on amending certain acts to strengthen the climate dimension of urban policy [MCE UD246]

ANALYSIS OF CITY PROGRESS

analysis of climate and environmental indicators, selection of leaders and promotion of good practices

FINANCING

for cities and residents

SUPPORT FOR CITY TRANSFORMATION

strategic consulting
consultation and a permanent platform for cooperation with cities

Legislation

Bill on amending certain acts to strengthen the climate dimension of urban policy

- Urban Adaptation Plans
- Greening plans
- Green civic budget



Analysis of city progress

Analysis of climate and environmental indicators, selection of leaders and promotion of good practices

5 categories:

- air quality,
- urban greenery,
- energy transformation,
- zero-emission transport,
- urban retention.



Support for city transformation

Strategic consulting

Roadmaps for the climate transformation of cities



Financing for cities and residents

- FENIKS 2021-2027
- Operational Programme Infrastructure and Environment 2014–2020
- Priority Programmes NFOŚiGW
- EEA and Norway grants



Support for city transformation

Strategic consulting.

Research on natural and climate indicators and preparation of a guidebook for cities



Support for city transformation

Strengthening coordination in climate change adaptation policy between local, regional and national authorities under the Technical Support Instrument of the European Commission





Study of The Supreme Audit Office (NIK)

The Supreme Audit Office (NIK) conducted a study on, inter alia, including the issue of green areas development in municipal spatial development plans.

The Supreme Audit Office's research shows:

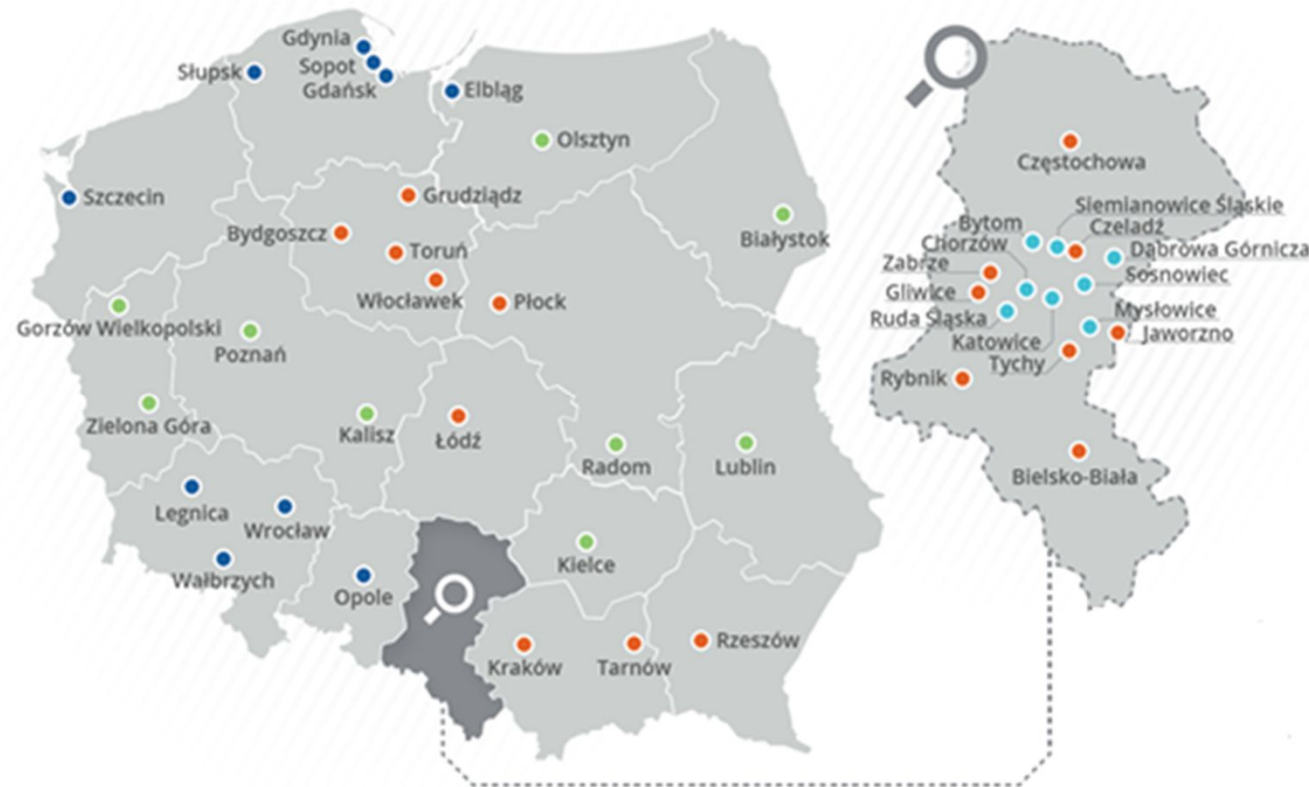
- the activities of city authorities in the field of management of green areas generally contributed to their preservation and increase.
- most cities did not have a comprehensive diagnosis of green areas, taking into account their distribution and the degree of accessibility to residents, which, according to the Supreme Audit Office, would facilitate adequate planning of activities related to green areas to be implemented in a specific time perspective.



Development of Urban Adaptation Plans for cities of more than 100,000 inhabitants in Poland (44MPA Project)

Together with the cities, the plans were prepared by:

- Institute for Environmental Protection – National Research Institute
- Institute for Ecology of Industrial Areas
- Institute of Meteorology and Water Management – National Research Institute
- ARCADIS Poland



The project is financed by the European Union from the Cohesion Fund under the Operational Program Infrastructure and Environment and from the state budget



*Let's feel
the climate!*

www.44mpa.pl

Thank you for your attention

