



Ministry of Climate and Environment
Republic of Poland

Adaptation to climate change

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Challenges of urban policy in terms of climate and environment



improving air quality



promoting nature-based solutions



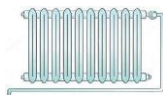
enhancing water retention in the urban areas (green and blue infrastructure)



spatial planning as a tool for adaptation to climate change



transition to zero and low-emission urban transport



stable and reliable heating systems based on clean energy sources



renewable energy sources



energy-efficient construction (including natural, renewable resources)





What do we do to transform cities?

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

Main objective:

- assessing the sensitivity to climate changes of the largest Polish cities and planning adaptation activities appropriate for the identified threats

Outcomes:

- cooperation between the authorities, inhabitants and experts resulting in the development of 44 urban adaptation plans,
- education and improvement of awareness of the climate changes and their impact on the local level, both among officials and urban communities

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



*Let's feel
the climate!*

www.44mpa.pl

Initiative „No More Concrete in City Centers”

In 2022 the Ministry of Climate and Environment launched the initiative called ***No More Concrete in City Centers***

Main objectives:

- **limiting the soil sealing in city centers and replacing the layers of concrete, asphalt with green areas**
- reducing urban heat island phenomena / regulate temperature
- 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 the cities



Analysis of city progress and strategic consulting

The analysis of the public statistics data and information provided by the cities has resulted in **selecting cities** with outstanding achievements in five categories:

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

The expected outcome of cooperation between 15 cities and leading Polish research institutions providing consulting services is **Roadmap for the climate transformation of cities.**



Support for city transformation

Coordination in climate change adaptation policy between local, regional and national authorities is strengthened under the **Technical Support Instrument of the European Commission**

Main objective:

- to assess the challenges in the implementation of **Polish National Adaptation Strategy** 2020 and design a new national strategy for climate adaptation.

Expected outcomes:

- **updated Polish National Strategy for Adaptation to Climate Change**, to 2040, with an action plan and roadmap towards 2050.
- climate adaptation **coordination system** set up and short-term climate adaptation actions implemented by regional and local authorities.



Natural and climatic indicators



AIM OF THE ANALYSIS

supporting central, regional and local level authorities in designing public policies for sustainable urban development

RESULT

a guide for cities including detailed instructions for calculating each of the selected 10 natural and climatic indicators

Climate-friendly cities – the best completed project

2020-2021 awards

- Climate-friendly city title
- Ministry of Climate and Environment statuettes
- financial prizes intended to pay for courses, trainings or postgraduate studies for employees of local government bodies

2023 edition

- Areas:
 - water retention
 - reclamation of post-mining areas
- Categories:
 - cities > 70 thousand inhabitants
 - cities ≤ 70 thousand inhabitants

Good practices handbook

- Short description of the projects awarded in the competition

<https://www.gov.pl/web/edukacja-ekologiczna/miasto-z-klimatem>



| Financing for cities

- FENIKS 2021-2027
- FEPW 2021-2027
- Regional operational programmes
- Priority programmes of The National Fund for Environmental Protection and Water Management
- EEA and Norway grants



DESEALING OF THE SURFACE

<https://noizz.pl/>



Before



After

PARKING AREA

<https://uml.lodz.pl/>



RAIN GARDEN

<https://zdm.waw.pl>



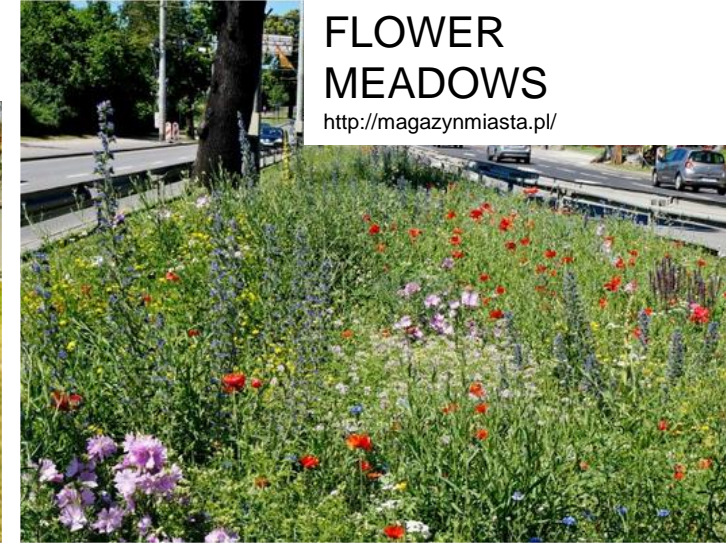
BLUE-GREEN INFRASTRUCTURE

<https://www.wody.gov.pl/>



FLOWER MEADOWS

<http://magazynmiasta.pl/>



ABSORBENT BASIN

<http://www.gdmel.pl/>



Good practices – Polish cities



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Thank you for your attention

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