

Intermunicipal Plan for Climate Change Adaptation of Barycz Valley



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Przygodzice Municipality /
LAG "Partnership
for the Barycz Valley"

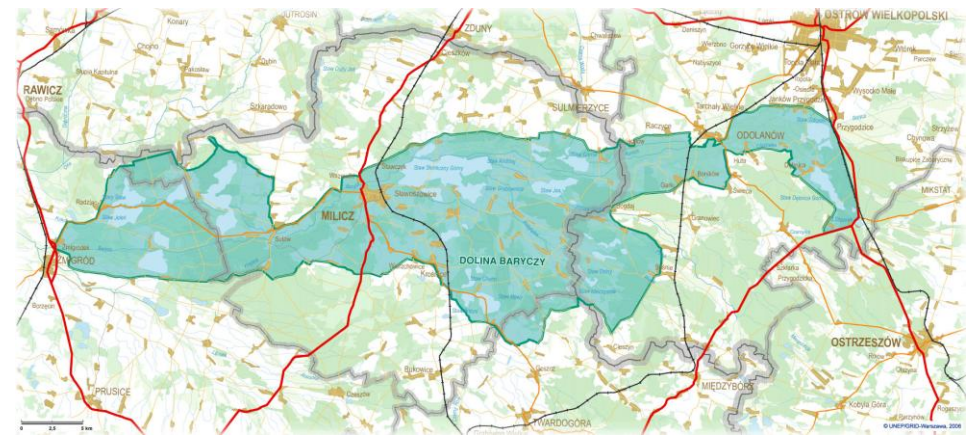
Międzygminny Plan Adaptacji do zmian klimatu dla Doliny Baryczy



Good CLIMATE in the Barycz Valley

Who are we?

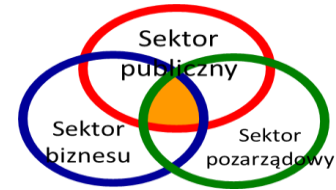
20 years cooperation to maintain the specificity of Barycz River Valley



We are connected by Barycz River and Natura 2000



- Among the oldest fish ponds in Europe
- Biggest Landscape Park in Poland
- Natura 2000 area





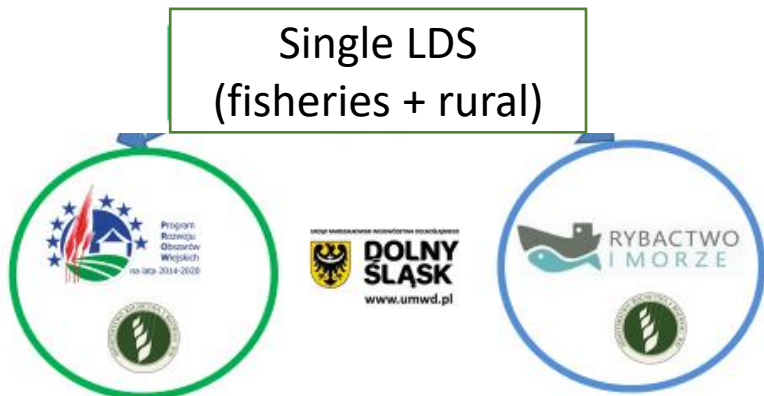
Local Development Strategies

planning and implementing funds for Barycz Valley

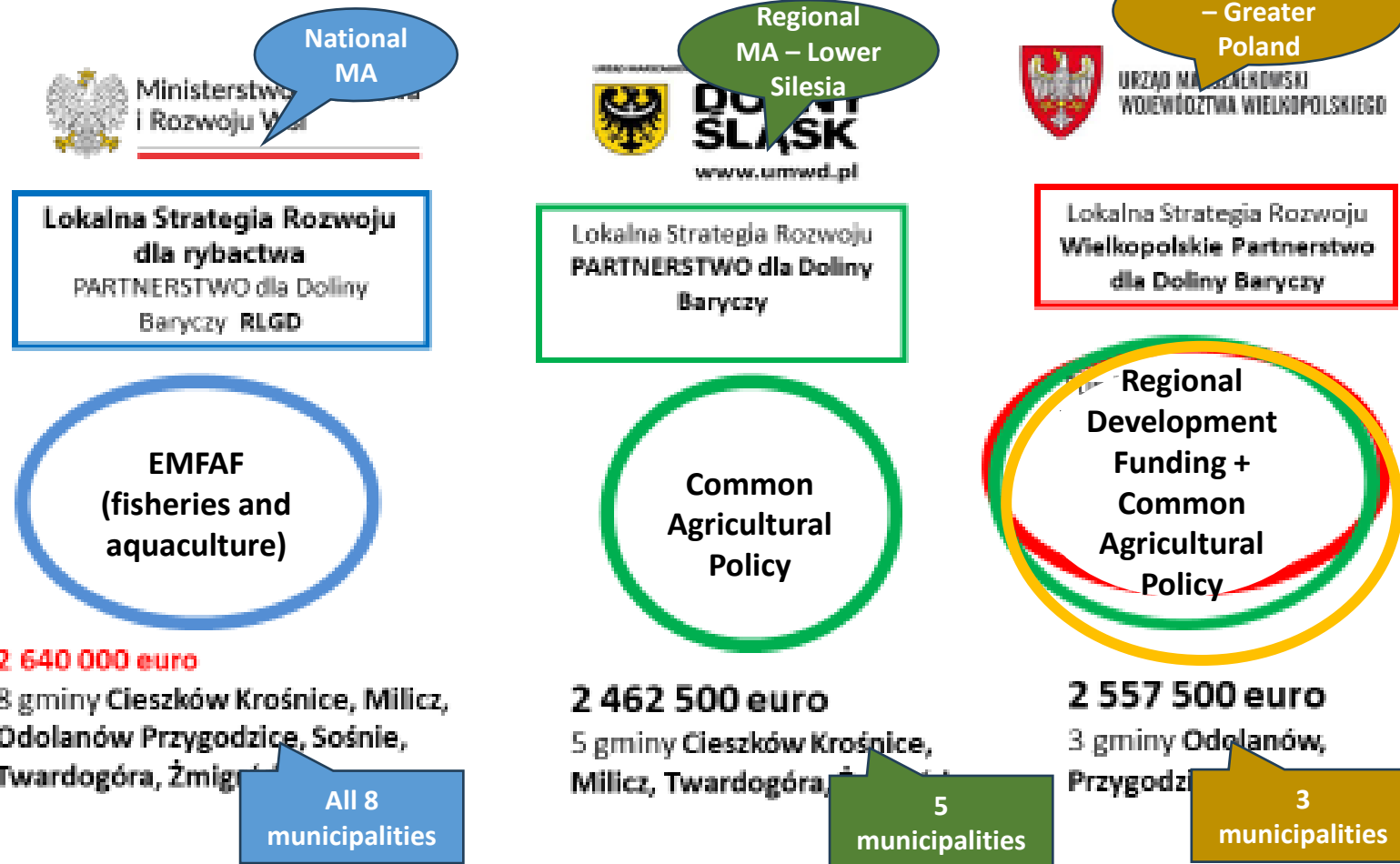
- 2007 – 2013 budget (implemented 2009 – 2016)



- 2014 – 2020 budget (implemented 2016 – 2024)



- 2023 – 2027 budget (implemented 2024 – 2029)



Why is climate change adaptation in Barycz Valley so important?

UNIQUE ECOSYSTEMS AND BIODIVERSITY



Barycz Valley has the biggest area in Europe of fish ponds and high-value area for birds (Ramsar Site, Natura2000). Climate changes (droughts, heat waves, extreme rainfalls) reduce water level, endanger habitats of birds and plants and threaten sustainability

AQUACULTURE AND FARMING



Fish ponds in Barycz valley are also an income source for inhabitants; water shortages cause losses in aquaculture. Better water management and adapting production to new conditions are needed

TOURISM AND RECREATION



Tourists are attracted by landscape, birdwatching and peace. Extreme weather conditions, drying of ponds reduces attractivity and biodiversity

CLIMATE REGULATION AND WATER RETENTION



Ponds and wetlands naturally store water and mitigate results of droughts and floods. Protection and restoration of wetland areas are the cheapest ways of climate change adaptation and mitigation

Rainfall and temperature forecasts in Barycz Valley by 2060 – example of Milicz county.

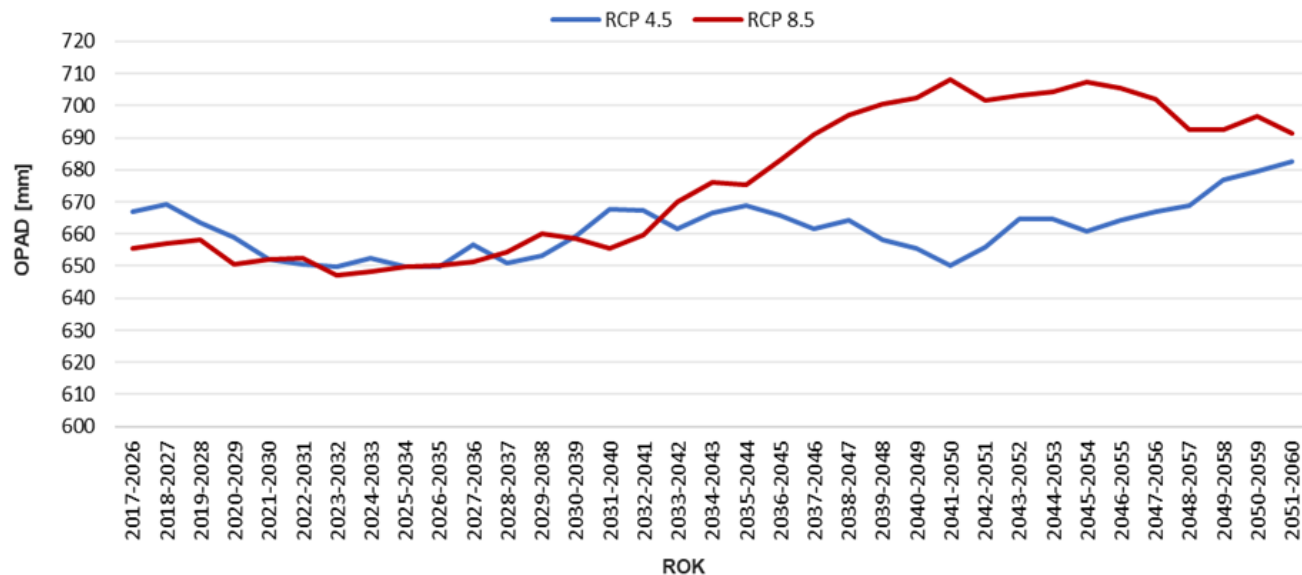
Intermunicipal Plan for Climate Change Adaptation, Barycz Valley

<https://klimada2.ios.gov.pl/klimat-scenariusze-portal/>

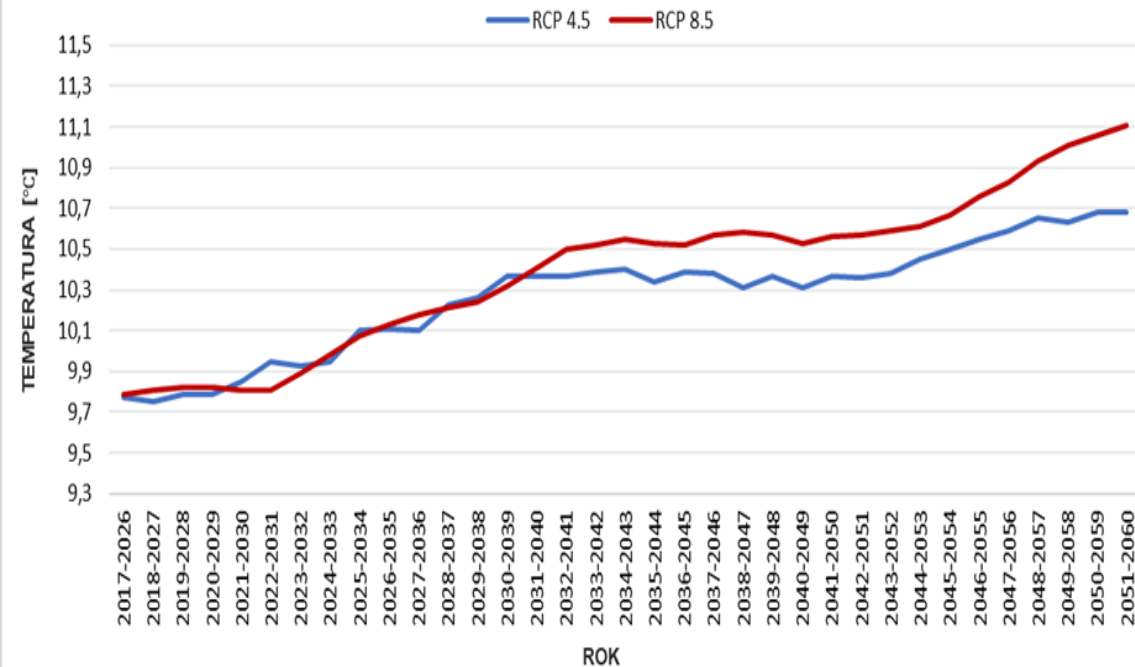
Rainfall totals per year until 2060 (two scenarios)

Average temperature until 2060 (two scenarios)

Średnia krocząca rocznej sumy opadu [mm] do 2060 roku (w podziale na dekady)
na obszarze powiatu milickiego według scenariusza RCP 4.5 i RCP 8.5



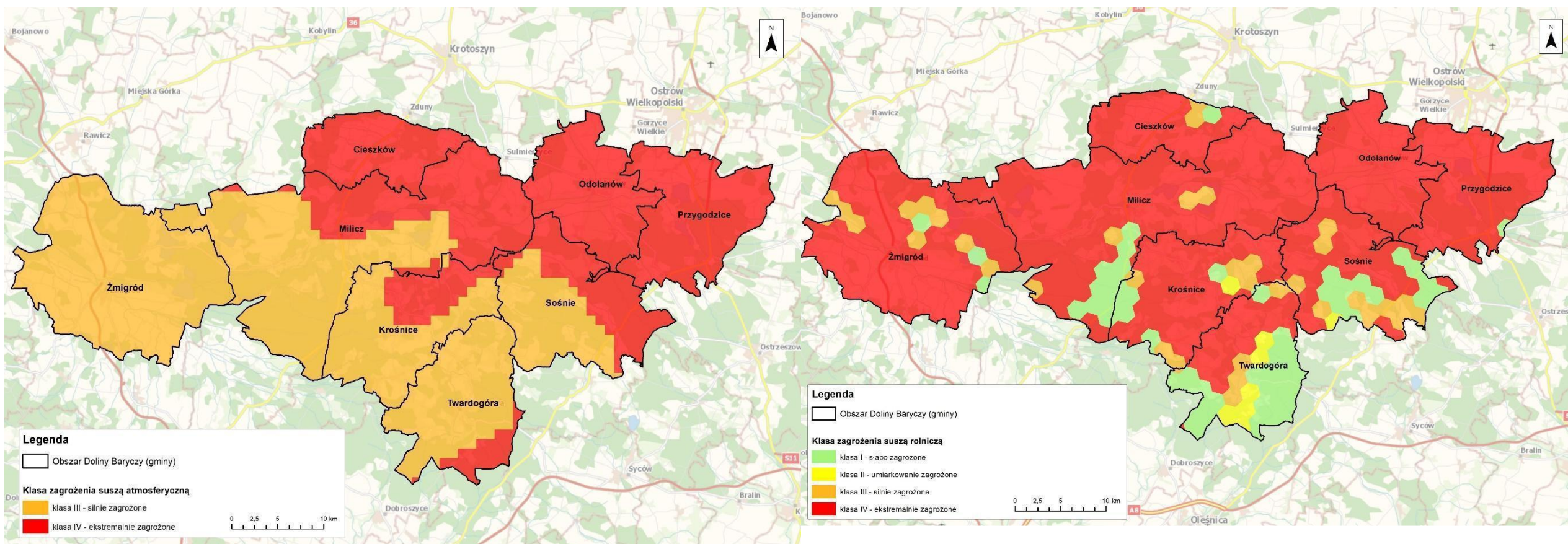
Średnia krocząca rocznej temperatury [°C] do 2060 roku (w podziale na dekady)
na obszarze powiatu milickiego według scenariusza RCP 4.5 i RCP 8.5



Drought forecasts by 2060.

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Who has Intermunicipal Plans for Climate Change Adaptation?

- At the time of our initiative, Plans were obligatory for all towns over 100 000 inhabitants (now over 20 000 inhabitants, due to recent legislative change)
- LOCAL ACTION GROUP **BARYCZ VALLEY:**
 - 1 city over 20 000 inhabitants
 - 2 cities under 20 000 inhabitants
 - rural area (new environmental legislation)





Międzygminny Plan Adaptacji do zmian klimatu dla Doliny Baryczy



Intermunicipal Plan for Climate Change Adaptation for Barycz Valley

developed 2023-2024

(funded by LAG from EAFRD as own operation – EU funds)

Engaged over 290 people

- Working group,
- Community consultation
- Study visits
- Workshops with experts
- Results of evaluation and opinion polls
- Lessons from pilot grants
- Environmental Impact Assessment

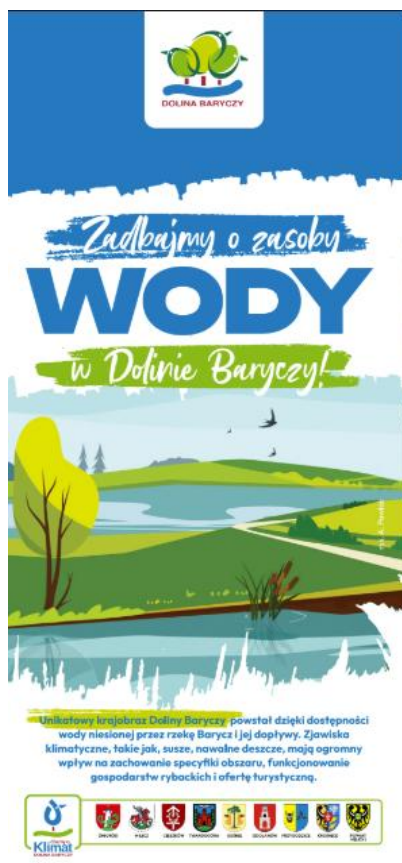
**2024/2025 - Municipal councils should
adopt the Plan**

Changes in local authorities (election)

The challenge – how to change the negative perception of the climate topic among the community?

Inter-municipal Climate Conference - a good climate for cooperation

Goal: Meeting with experts, combating disinformation, and presenting good practices and local initiatives.

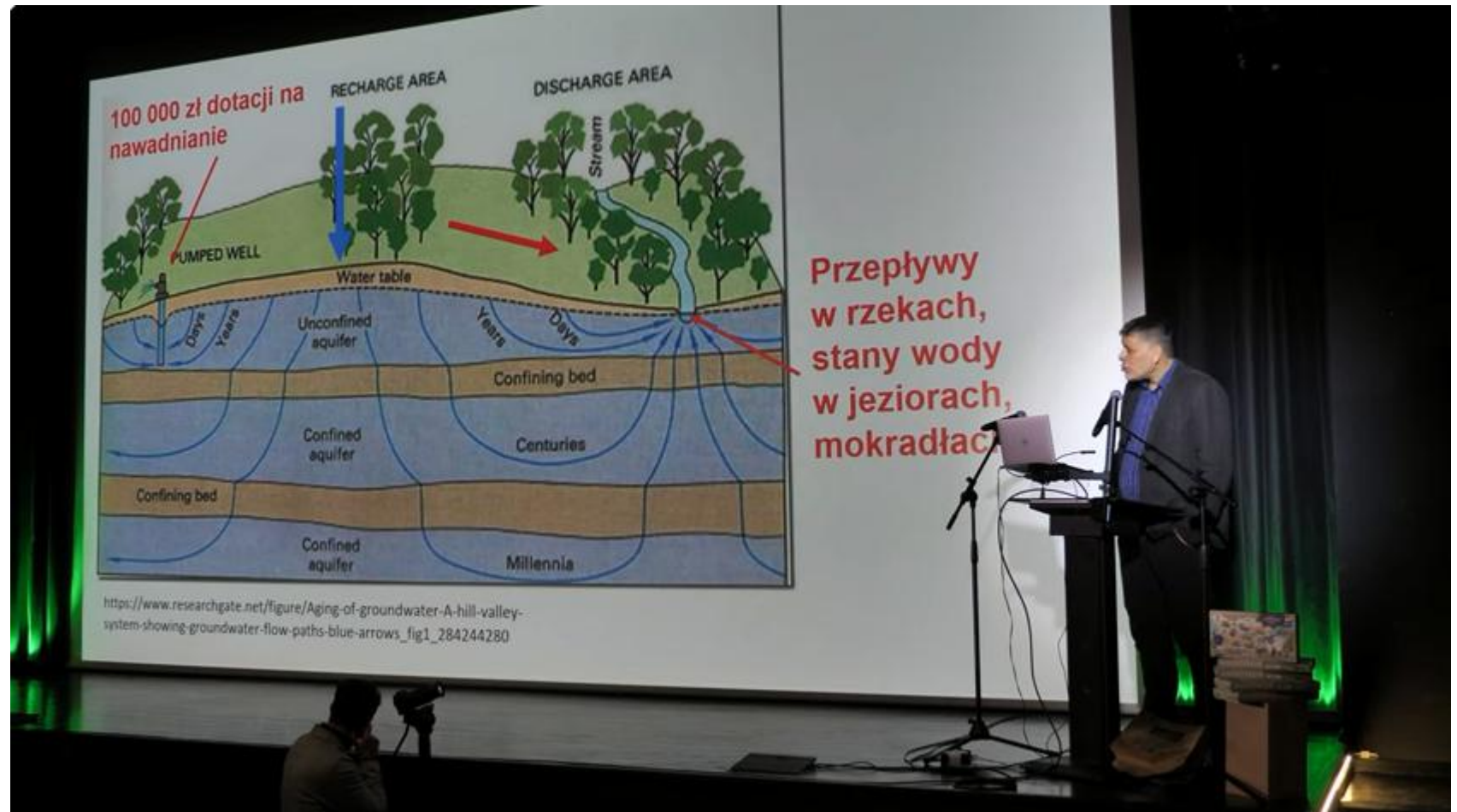


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Groundwater



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Agricultural
landscape



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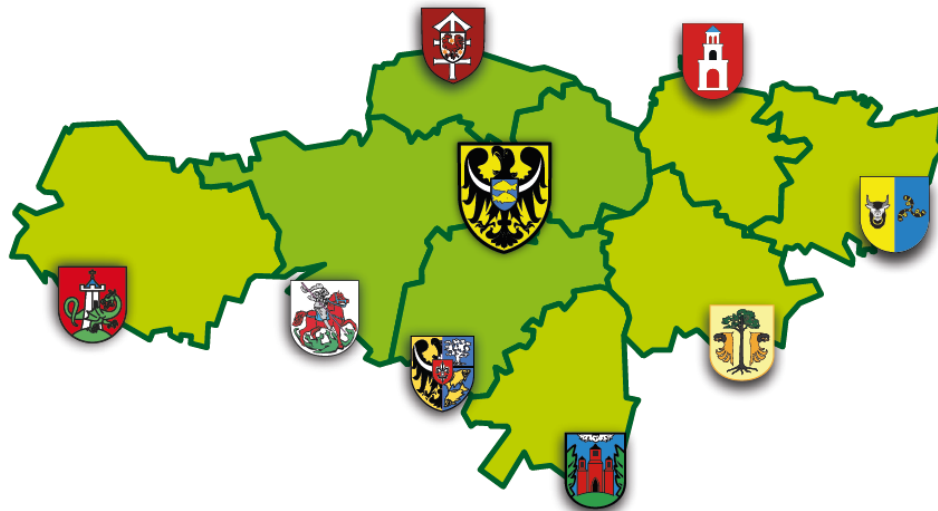


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Goal: Meeting with experts, combating disinformation, and presenting good practices and local initiatives.

Result: Eight municipalities adopted a resolution on the Inter-Municipal Adaptation Plan for Rural Areas – the first rural Plan in Poland.



Local adaptation also depends on local decisions

Tree alleys and old trees



Small retention – Rain gardens at public buildings, provisions in local plans for new facilities



Local adaptation also depends on local decisions

Small retention – ditches, reed beds, ponds
Ensuring water is distributed during floods

Small retention – shading of rivers, limiting
dredging and maintenance works on rivers



Local adaptation also depends on local decisions

Small retention – caring for wetlands



Small retention – adaptation areas within the locality – fire protection reservoirs, ponds



Local adaptation also depends on local decisions

Natural, green playgrounds



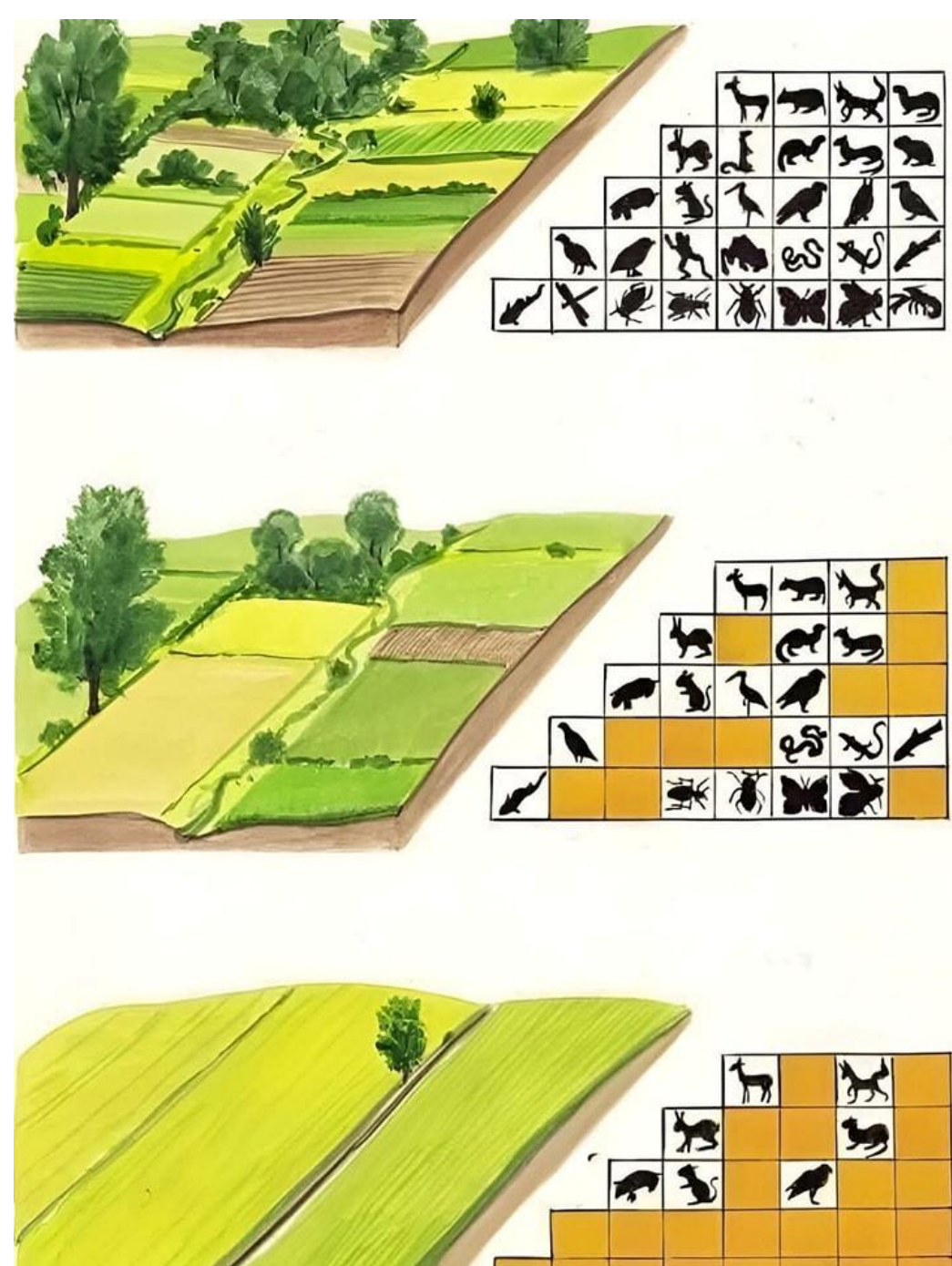
Creating permeable surfaces



Local adaptation also depends on local decisions

Education of residents, farmers, and consumers

- Poor spatial management and excessive anthropogenic pressure result in a decrease in the quantity and quality of water resources, an increase in the risk of flooding and a loss of biodiversity.





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