Programmes and projects contributing to clean air in Poland

Marta Babicz, External Funds Department

Warsaw, 28th September 2020
Poland’s emissions levels vs GDP

-0.6% a year
-2.6% a year
-5.4 to -11.8% a year

GDP
USD bn

2030 target to limit emissions
271

2050 Paris Agreement target
89 (80%)
22 (95%)
0 (100%)

Source: GUS; KASHUE; Eurostat; EIU; UNFCCC 2019 National Inventory Report; IOŚ-PiB, Climate for Poland, Poland for Climate
The National Fund in numbers

30 years of experience in financing environmental & energy projects

National Funds: PLN 43,8 bn (EUR 9,95 bn)
External Funds: PLN 30,3 bn (EUR 6,89 bn)
TOTAL: PLN 74,1 bn (EUR 16,84)
Forms of financing

- Preferential loans
- Financial instruments/ repayable assistance
- Grants
- Redemptions/ write-offs
- Partial repayments of bank loans
- Additional payments to the interest on bank loans
- Equity
Main beneficiaries

- Local government units
- Enterprises
- State budgetary units
- Higher education institutions
- Non-governmental organizations (NGOs)
- State administration
- Individuals
Green Investment Plan
Support for Energy and Climate Transition

CLIMATE GOALS EU MFF (min. 30%)

MFF 2021-2027 (€ bn)

TOTAL: € 108 bn

GREEN INVESTMENT PLAN

€ 1,8 bn

€ 27,6 bn

Next Generation EU

2020

2021-2027

Cohesion Policy  CAP  JTF  Other
### Green Investments Plan: covered areas

<table>
<thead>
<tr>
<th>Category</th>
<th>Total budget in 2020</th>
<th>Impact on economy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Heat</td>
<td>€ 0,90 bn</td>
<td>€ 2,65 bn</td>
</tr>
<tr>
<td>Common Energy</td>
<td>€ 0,56 bn</td>
<td>€ 1,63 bn</td>
</tr>
<tr>
<td>Water for Poland</td>
<td>€ 0,07 bn</td>
<td>€ 0,08 bn</td>
</tr>
<tr>
<td>Eco-Transport</td>
<td>€ 0,20 bn</td>
<td>€ 0,59 bn</td>
</tr>
<tr>
<td>Innovative Energy</td>
<td>€ 0,04 bn</td>
<td>€ 0,08 bn</td>
</tr>
</tbody>
</table>

*Total budget in 2020: € 2,65 bn*  
*Impact on economy: € 5,03 bn*

---

*Low-Emission Transport Fund operated by the NFEP&WM*
Selected Programmes

1 million m³ small scale water retention
€ 0,02 bn
2020-2023

200,000 Prosumers = +1200 GWh RES energy
€ 0,45 bn
2020-2022

56,000 modernized single-family houses
€ 0,82 bn
2020-2021

EV purchasing subsidies
€ 0,03 bn
2020-2021

RES for individual farmers
€ 0,05 bn
2020-2021

EV chargers
TBC
2020-2021

FAMILY
### Selected Programmes

- **100** efficient district heating systems
  - €0.18 bn
  - 2019-2025

- **14 schools**
  - deep renovation
  - €0.02 bn
  - 2020-2025

- **300**
  - public E-buses + charging infrastructure
  - €0.07 bn
  - 2020-2025

- **120 projects**
  - urban blue & green infrastructure
  - €0.02 bn
  - 2020-2025

- **40 school E-buses**
  - €0.01 bn
  - 2020-2023

- **2 municipal waste incineration plants**
  - €0.25 bn
  - 2020-2025

**MUNICIPALITIES**
Selected Programmes

1000 E-VANs
€ 0,02 bn
2021-2025

1000 E-cabs + wall box
€ 0,01 bn
2020-2025

20 big scale RES
€ 0,06 bn
2020-2023

CHP sources
600MW capacity
€ 0,08 bn
2020-2023

100 Energy efficiency projects
€ 0,25 bn
2020-2024

Energy technologies
€ 0,04 bn
2020-2024

INDUSTRY & INNOVATION
Contribution to clean air in Poland
## PROGRAM

### DISTRICT HEATING
- **100 effective heating systems**
  - Grant up to 30% + loan up to 100% of remaining eligible expenditures
  - **Enterpreneurs producing energy for residents (min. 50% local govt)**
  - **TOTAL BUDGET**: 69,767 mln EUR
  - **OVERALL ECONOMIC EFFECT**: 116,279 mln EUR

### 1.5 POLİŞ 2014-2020
**Effective heat and cold distribution**
- **25 rebuilt / extended heating systems**
  - Grant up to 85% (state aid) + loan up to 100%
  - **Enterpreneurs, housing cooperatives, entities acting on behalf of local govt**
  - **TOTAL BUDGET**: 39,886 mln EUR
  - **OVERALL ECONOMIC EFFECT**: 46,512 mln EUR

### 1.6.1 POLİŞ 2014-2020
**Sources of high-efficiency cogeneration**
- **400 MW in high-efficiency cogeneration sources (including RES)**
  - Grant up to 85% (state aid) + loan up to 100%
  - **Enterpreneurs, local govt, entities acting on behalf of local govt**
  - **TOTAL BUDGET**: 46,512 mln EUR
  - **OVERALL ECONOMIC EFFECT**: 55,814 mln EUR

### Construction / modernization of municipal heating systems
- **16 new / modernized heating systems**
  - Grant up to 45% (state aid) + loan up to 100%
  - **Enterpreneurs**
  - **TOTAL BUDGET**: 38,140 mln EUR
  - **OVERALL ECONOMIC EFFECT**: 83,721 mln EUR

### Improving energy efficiency in school buildings
- **14 schools with deep thermomodernization**
  - Grant to up 70% (state aid) + loan up to 100%
  - **Local governments**
  - **TOTAL BUDGET**: 20,000 mln EUR
  - **OVERALL ECONOMIC EFFECT**: 27,907 mln EUR
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>RESULTS</th>
<th>GRANT / LOAN</th>
<th>BENEFICIARY</th>
<th>SOURCE</th>
<th>TOTAL BUDGET (GRANTS + LOANS)</th>
<th>TOTAL ECONOMIC EFFECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Air</td>
<td>56,000 modernized residential buildings</td>
<td>Grant up to 37,000 PLN + loan up to 100%</td>
<td>Natural persons who own / co-own single-family building</td>
<td>441,860 mln EUR</td>
<td>1472,093 mln EUR</td>
<td></td>
</tr>
<tr>
<td>Development of high-efficient industrial cogeneration</td>
<td>10 new industrial cogeneration installations</td>
<td>Grant up to 80% (state aid) + loan up to 100%</td>
<td>Entrepreneurs</td>
<td>40 mln EUR</td>
<td>51,163 mln EUR</td>
<td></td>
</tr>
<tr>
<td>Utilization of the energy potential of residual municipal waste</td>
<td>2 thermal waste treatment installations with a total capacity of app. 350,000 t/year</td>
<td>Grant up to 30% + loan to 100%</td>
<td>Municipal energy and heating companies</td>
<td>255,814 mln EUR</td>
<td>853,488 mln EUR</td>
<td></td>
</tr>
<tr>
<td>PROGRAM</td>
<td>RESULTS</td>
<td>GRANT / LOAN</td>
<td>BENEFICIARY</td>
<td>SOURCE</td>
<td>TOTAL BUDGET (Grants + Loans)</td>
<td>TOTAL ECONOMIC EFFECT</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>--------------------------------</td>
<td>--------------------------------------------------</td>
<td>---------------------------------------------</td>
<td>---------------------------------------------</td>
<td>----------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>MY ELECTRICITY</td>
<td>400,000 households with PV installations</td>
<td>Grant up to 5 000 PLN for PV + up to 1 500 PLN for e-charger</td>
<td>Natural persons who are energy consumers</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>186,047 mln EUR</td>
<td>930,233 mln EUR</td>
</tr>
<tr>
<td>Agroenergy</td>
<td>RES on farms</td>
<td>Grant up to 25 000 PLN + 10 000 PLN for heat pump + loan up to 100%</td>
<td>Individual farmers and legal persons involved in agriculture support</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>46,512 mln EUR</td>
<td>232,558 mln EUR</td>
</tr>
<tr>
<td>1.1.1 POIiŚ 2014-2020</td>
<td>20 RES installations</td>
<td>Grant in the form of repayable aid (i.e. cancellation of up to 50% of the loan granted)</td>
<td>Entrepreneurs, housing cooperatives</td>
<td>Fundusze Europejskie Infrastruktura i Środowisko</td>
<td>104,651 mln EUR</td>
<td>232,558 mln EUR</td>
</tr>
<tr>
<td>Supporting investments in RES</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy PLUS</td>
<td>100 modernized, more energy-efficient enterprises</td>
<td>Grant in the form of cancellation of up to 10% of loan up to 85%</td>
<td>Entrepreneurs</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>232,558 mln EUR</td>
<td>274,419 mln EUR</td>
</tr>
</tbody>
</table>
## Eco-Transport

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>RESULTS</th>
<th>GRANT / LOAN</th>
<th>BENEFICIARY</th>
<th>SOURCE</th>
<th>TOTAL BUDGET (GRANTS + LOANS)</th>
<th>TOTAL ECONOMIC EFFECT</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEN VEHICLE M1</td>
<td>Over 2 000 vehicles</td>
<td>Grant up to 15% (max. 18 750 PLN), max. price 125 000 PLN</td>
<td>Natural persons not engaged in economic activity</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>8,721 mln EUR</td>
<td>58,140 mln EUR</td>
</tr>
<tr>
<td>e-Van</td>
<td>1000 electric vans (up to 3.5 t)</td>
<td>Grant up to 30% (max. 70 000 PLN) + loan up to 100%</td>
<td>Entrepreneurs</td>
<td>Clean Transport Fund</td>
<td>16,279 mln EUR</td>
<td>55,814 mln EUR</td>
</tr>
<tr>
<td>Coliber: climate-friendly taxi</td>
<td>1000 electric taxis + 1000 wall box chargers</td>
<td>Grant up to 20% (max. 25 000 PLN), max. price 150 000 PLN + loan up to 100%</td>
<td>SMEs with a transport license</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>9,302 mln EUR</td>
<td>46,512 mln EUR</td>
</tr>
<tr>
<td>Canguro: electric school buses</td>
<td>40 school buses</td>
<td>Grant up to 95% (pref. for small low income communes) + loan up to 100%</td>
<td>Communes</td>
<td>Narodowy Fundusz Ochrony Środowiska i Gospodarki Wodnej</td>
<td>13,953 mln EUR</td>
<td>13,953 mln EUR</td>
</tr>
<tr>
<td>Zeroemission Public Transport</td>
<td>In 2020 - 300 buses and 75 two-station chargers (contracts)</td>
<td>Grant up to 80% + loan up to 100%</td>
<td>Entrepreneurs, local governments</td>
<td>Clean Transport Fund</td>
<td>69,767 mln EUR</td>
<td>88,372 mln EUR</td>
</tr>
</tbody>
</table>
Thank you