

**Batumi Action for Cleaner Air (BACA)
Actions by Poland**

Country: Poland, Chief Inspectorate of Environmental Protection

Title:

**Increasing and facilitating access to information on air quality in Poland
(BACA Actions 1, 16 and 20)**

Description: In 2015, the Chief Inspectorate of Environmental Protection launched new “Air Quality” portal and free mobile application entitled “Air Quality” (1 and 2). These tools present current data coming directly from approximately 150 State Environment Monitoring automatic measurement stations, located throughout the country. Information on current air quality is presented collectively, by means of so-called air quality index, which provides concentrations of seven pollutants, monitored automatically, and for each pollutant individually. Current information on air quality is provided together with information on the impact of air pollution on health. Historical measurement data, air quality assessment results, short- and long-term prognoses and high pollutant concentration within Polish territory warnings are also available in the portal.

Expected outcome: Due to launching the new portal and application, the availability of the information on air quality in Poland increased. Also broadening the knowledge on air quality in Poland is an expected result, which may translate into changing the attitudes to much more environment friendly.

Partners: Voivodeship Inspectorates for Environmental Protection; Financial Mechanism of the European Economic Area (expanding the portal and application were carried out under the project “Strengthening the air quality assessment system in Poland based on Norwegian experience” under the Operational Programme PL03 “Improving Environmental Monitoring and Inspection” co-financed from the MFEOG’s funds 2009-2014).

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**Batumi Action for Cleaner Air (BACA)
Actions by Poland**

Country: Poland, National Found for Environmental Protection and Water Management

Title:

KAWKA - Elimination of low emissions supporting the increase in energy efficiency and development of distributed renewable energy sources.

(BACA Actions 10, 24 and 27)

Description: Support of measures aimed at the reduction of exposure of population to the effects of air pollution in areas where the admissible and target concentrations of these pollutants are exceeded, in particular those including projects aimed at rising energy efficiency and the use of high-efficiency cogeneration systems and renewable energy sources. The support also covers educational campaigns which show health and social benefits of the elimination of low emissions and developing databases which provide the inventory of emission sources. The subsidy may only apply to projects which are covered by the air protection programme and located in localities of over 5,000 thousand inhabitants (this limit does not apply to health-resorts).

Expected outcome:

Actions timeframe/milestones, as appropriate:

Implementation over the years 2013-2018, disbursement of the funds until the end of 2018, concluding contracts with an intermediary - Voivodeship Funds for Environmental Protection and Water Management (WFOŚiGW) - until the end of 2016, III applications for the WFOŚiGWs in 2013, 2014 and 2015, 22 contracts with WFOŚiGWs as intermediaries in project realisation, were signed, 2 contracts executed.

Type of action:

- (a) Elimination of local heat sources (individual boiler houses, coal stoves, boiler houses for several buildings or district boiler houses) and replacing them with more efficient sources which comply with emissions requirements set out by a competent authority, or connecting these objects to the municipal heat distribution network
- (b) Development of heat distribution network in order to connect existing objects (heated from local sources, using solid fuels) to central heating source and to the network.
- (c) Purchase and installation of solar collectors
- (d) Educational campaigns which show the health and social benefits of the elimination of low emissions and inform about the time horizon of the prohibition of solid fuels, or other systemic measures which guarantee the maintenance of pollutant concentration levels after the introduction of corrective measures.
- (e) Developing databases which provide an inventory of emission sources
- (f) Purchase of equipment controlling types of fuels used and measuring emissions.

Economic sectors: energy

Reference instruments and sources, as appropriate: aid intensity up to 90% of eligible costs, where 45% is non-repayable and comes from national funding provided by the National Fund for Environmental Protection and Water Management, and the remaining aid (up to 45%) in any form (repayable or non-repayable) comes from WFOŚiGW's national funding.

Expected co-benefits and impact of the outcome:

Improving air quality by particulate matter, sulphur dioxide and nitrogen oxides emissions reduction in areas in which pollution limits have been exceeded

SDGs target(s) that the action may contribute to implement:

Action contributes to SDG targets:

1. Improving people's live in cities by providing sufficient air quality
2. Use of renewable energy sources

Implementation of Environmental Performance Review (EPR) Recommendations, as appropriate:

Objectively verifiable indicators, as appropriate:

1. Reduction of particulate matter emission PM10 -1 200 Mg/year
2. Reduction of particulate matter emission PM2,5 -1140 Mg/ year
3. Reduction of CO2 emission CO2-220 000 Mg/ year

Partners: Voivodeship Funds for Environmental Protection and Water Management
Final support recipients: legal persons, local government units, entrepreneurs

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**Batumi Action for Cleaner Air (BACA)
Actions by Poland**

Country: Poland, National Found for Environmental Protection and Water Management

Title:

Low-carbon economy

(BACA Actions 10 and 12, 24 and 26)

Description: Supporting measures at municipality level in achieving objectives set out in the Climate and Energy package 2020 concerning:

- o reduction of greenhouse gas emissions,
 - o increasing the share of energy from renewable sources,
 - o reduction of final energy consumption by increasing the energy efficiency
- Current emissions inventory and preparation of planning documents.

Expected outcome:

Actions timeframe/milestones, as appropriate: preparation of planning documents, years 2013-2015, medium-term measures until 2020, 2030 perspective.

Type of action:

Preparation of documents (low-emission economy plans) using information on energy consumption and carbon dioxide emission to achieve the objective of increasing the effective use of energy, reduction of greenhouse gas emissions and increasing the share of energy from renewable sources in the overall energy consumption. Identification of priority fields of action. Identification of stakeholders, defining specific investment measures (i.a. municipal and buildings and industrial equipment, residential buildings, street lights, industrial plants, heat distribution plants) and non-investment measures. The plan provides time-frames and measures to attain the objectives. Indicates persons responsible for the implementation of particular elements of the objective. It includes long-term strategy which is subject to monitoring and updates. Preparation of plans is, among others, the basis for granting EU funds in years 2014-2020 for the purposes related to energy efficiency.

Economic sectors: energy

Reference instruments and sources, as appropriate: Operational Programme Infrastructure and Environment 2007-2013

Expected co-benefits and impact of the outcome:

Improving air quality by the reduction of particulate matter, sulphur dioxide and nitrogen oxides emissions in areas in which pollution limits have been exceeded, follow-up

SDGs target(s) that the action may contribute to implement: Action contributes to SDG targets:

7.2 "By 2030, increase substantially the share of renewable energy in the global energy mix"

7.3 "By 2030, double the global rate of improvement in energy efficiency"

Implementation of Environmental Performance Review (EPR), recommendations, as appropriate:

Objectively verifiable indicators, as appropriate:

829 PGNs drawn up for municipalities and cities from throughout the country

7-8 million Mg/year of CO₂ reduction until 2020 r.

Partners: Local government units

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Batumi Action for Cleaner Air (BACA)
Actions by Poland

Country: Poland, National Fund for Environmental Protection and Water Management (NFEP&WM)

Title:

GIS – Green Investment Scheme - Energy management in public service buildings
(BACA Actions 10)

Description: Programme is implemented under Green Investment Scheme aiming at reducing or avoiding carbon dioxide emissions by co-financing projects that improve energy efficiency in public service buildings by co-financing of projects.

Expected outcome:

Types of projects - Co-financing may be awarded for the implementation of projects in public service buildings.

Thermal modernisation of public service buildings, including changes in the equipment of buildings in devices of the highest, economically justified standards of energetic effectiveness related directly to the conducted thermal modernisation of buildings, in particular:

- (a) heat insulation of the buildings,
 - (b) replacement of windows,
 - (c) replacement of external doors,
 - (d) conversion of heating systems (in addition to the replacement of heat source),
 - (e) replacement of ventilation and air-conditioning systems,
 - (f) drawing up technical documentation for the project,
 - (g) energy management systems in buildings,
 - (h) use of technology of renewable energy sources;
- 3) Replacement of internal lighting for energy-efficient one (as additional tasks performed simultaneously with the thermal modernisation of buildings).

Beneficiaries

- (1) Territorial self-government units and associations thereof;
- (2) Entities that provide public services as a part of the discharge of own tasks of the territorial self-government units and that are not enterprises,
- (3) Volunteer Fire Fighter Brigades;
- (4) Universities within the meaning of the Act on higher education and scientific and research institutes;
- (5) Independent public health care institutions and medical entities conducting business within the meaning of Art. 551 of the Civil Code regarding provision of health services;
- (6) Non-governmental organisations, churches, other religious associations, religious legal entities conducting activity in the field health care, preventive medicine, rehabilitation and social assistance;
- (7) entity or unit referred to in points 1-6 as party to the loan agreement in the group project.

Selection process

The Greening Activities were selected in line with procedures established in the Act of 17 July 2009 on the management system for emissions of greenhouse gases and other substances.

The Greening Activities were selected under competition procedure (call for proposals) for the priority programme.

Criterion for selecting applications - Cost-efficiency (DGC – Dynamic Generation Cost) Action's timeframe/milestones, as appropriate:

Implementation of priority programme:

The programme is being implemented in the years 2010 – 2018.

Allocation of funds in the years 2010 – 2016.

Disbursement of funds: until 31.12.2018.

Type of action: b) economy and fiscal instruments

Programme allocation: grants: 515,9 mln PLN, loans: 471,3 mln PLN

grant - Co-financing in form of a grant from resources other than GIS funds: up to 30% of eligible costs,

loan - Co-financing in form of a grant from the GIS funds: up to 50% of eligible costs.

Economic sectors: b) cities including: schools, churches, hospitals, c) sectors: public service building

Reference instruments and the sources, as appropriate:

Operational Programme Infrastructure and Environment 2014-2020

Expected co-benefits and impact of the outcome:

The investment reduces the consumption of electricity or heat, and thus reduction of fees for the use of energy. In the case of modernization projects has changed the image of the object.

SDGs target(s) that the action may contribute to implement:

By 2030, double the global rate of improvement in energy efficiency

Implementation of Environmental Performance Review (EPR) Recommendations as appropriate:

Adopt the National Programme for the Development of a Low Emission Economy (from the OECD Environmental Performance Reviews: Poland 2015)

Objectively variable indicator, as appropriate:

Avoided emissions of CO₂ (Mg, year) – planned to be achieved- 247 382,64

Number of buildings termomodernised/under termomodernisation - 1634

Partners:

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**Batumi Action for Cleaner Air (BACA)
Actions by Poland**

Country: Poland, National Fund for Environmental Protection and Water Management (NFEP&WM)

Title:

**GIS – Green Investment Scheme - GAZELA – low-emission urban transport
(BACA Actions 12)**

Description: Programme is implemented under Green Investment Scheme aiming at reducing or avoidance of carbon dioxide emission through co-financing projects aiming reduction of the energy and fuel consumption in urban transport.

Types of projects:

The programme includes the following measures:

1. Fleet related measures consisting of:
 - (a) purchase of new hybride – CNG buses,
 - (b) training of urban transport vehicles drivers on low-emission fleet operation.

2. Infrastructure and management related measures including:
 - (a) modernisation or construction of a service station for fuelling of hybride – CNG buses,
 - (b) modernisation or construction of bicycle routes,
 - (c) modernisation or construction of bus lanes,
 - (d) modernisation or construction of “Park and Ride” car parks,
 - (e) implementation of urban transport management systems.

Beneficiaries:

Urban municipalities, municipal companies performing urban municipalities tasks related to local public transport, other entities providing local municipal transport services on the basis of an agreement concluded with an urban municipality.

Selection process:

The Greening Activities were selected in line with procedures established in the Act of 17 July 2009 on the management system for emissions of greenhouse gases and other substances.

The Greening Activities were selected under competition procedure (call for proposals) for the priority programme.

Criterion for selecting applications - Cost-efficiency (DGC – Dynamic Generation Cost)

Action's timeframe/milestones, as appropriate:

The programme shall be implemented in 2013-2018.

Funds allocation in 2014-2016.

Disbursement of funds: by 31.12.2017.

Type of action: b) economy and fiscal instruments

Programme allocation: 160.8 M PLN

Forms of co-financing:

grant - Co-financing in form of a grant: up to 100% of eligible costs,

loan - Co-financing in form of a loan: up to 100% of eligible costs of the difference between the value of the eligible costs of the project funded by grant, and the value of eligible costs.
Economic sectors: b) cities, towns, rural, urban agglomerations

Expected outcome:

Expected co-benefits and impact of the outcome: safety, improving the quality of life of citizens, higher performance of public transport, lower fuel consumption and lower emissions, noise and vibration.

SDGs target(s) that the action may contribute to implement: By 2030, double the global rate of improvement in energy efficiency

Implementation of Environmental Performance Review (EPR) Recommendations as appropriate:

Adopt the National Programme for the Development of a Low Emission Economy (from the OECD Environmental Performance Reviews: Poland 2015)

Objectively variable indicator, as appropriate:

Avoided emissions of CO₂ (Mg, year) – planned to be achieved- 2 429

Partners:

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