

<u>Prepared by</u>: Dagmara Nagórka-Kmiecik

Monika Piotrowska - Szypryt



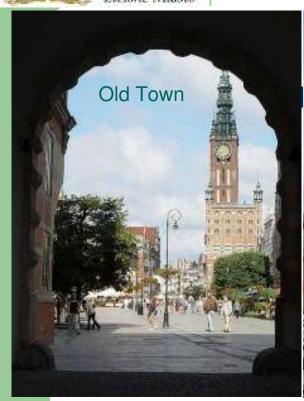
Presentation: Monika Piotrowska - Szypryt Environmental Department Municipality in Gdańsk

http://www.gdansk.pl wosr@gdansk.gda.pl

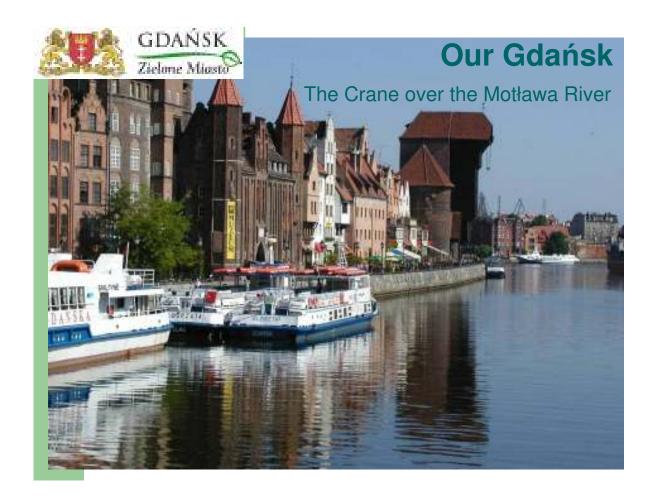




Our Gdańsk













Sustainable development in Polish documents

- Constitution of Poland;
- National Development Strategy;
- National Environmental Education Strategy;
- Different deeds such as:
 - Environmental Law;
 - Building and Planning Act;
 - Nature Protection Act;
- The Aalborg Charter;
- City Council Resolutions;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Sustainable Development and Local Agenda 21 – SHORT STORY (documents)

- 1990 The City Council Resolution concerning sustainable development: "Eco-Development of the City of Gdańsk" (social and environmental aspects were stressed in the document).
- 20 July 1993 The City Council Resolution on ecological priorities – principles of the ecological policy; identification of the problems;
- 1994 Aalborg Charter signed by the City of Gdańsk representative;
- 1997 The City Council Resolution on the air pollution reduction programme;



Sustainable Development and Local Agenda 21 – SHORT STORY (documents)

- 1998 adoption of the City Development Strategy by The City Council;
- 1999 defining of sustainable development issues and necessary steps to be taken – elaboration of "Sustainable development programme considering environmental protection issues in the City of Gdańsk and Gdańsk Commune;
- **2002** The City Council Resolution on the Environmental Protection Programme;
- 2002 The City Council Resolution on the Waste Management Programme;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Sustainable Development and Local Agenda 21 – SHORT STORY (documents)

- 2005 The City Council adopts new City Development Strategy by 2015, which includes 22 operational programmes to implement the strategy in the period between 2005-2009;
- 2005 The City Council Resolution approving "The report on the two years implementation of Environmental Protection Programme" – realisation level related to the tasks that were identified in the program;



Implementation of the process - SCHEME

- Meetings and discussion:
 - with citizens in different city districts;
 - "round table" sessions LA 21 Forum;
 - in the groups of professionals
- 2. Respecting the opinions and suggestions given by LA 21 partners;
- Adoption of different resolutions concerning sustainable development and Local Agenda 21 principles;
- 4. Implementation process;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Implementation of the process - SCHEME

- 5. Information brochures related to different aspects of SD and to the activities undertaken within Local Agenda 21;
- Ecological education activities awareness rising;
- Collection of data related to environment for the annual report compilation (environmental assessment);
- Verification and evaluation of defined policy;
- Monitoring and verification of the process;



Local Agenda 21 in the City of Gdańsk First STAGE – 1990-1996

- Identification of problems and needs (1991-1993) in co-operation with different partner groups:
- ⇒ Scientists and researchers;
- ⇒ Trade Unions;
- ⇒ Representatives of industry and business (important industrial plants, former significant polluters);
- ⇒ Ecological and social organisations;
- ⇒ NGOs;
- ⇒ Youth;
- Politicians local authority representatives, city councillors;
- ⇒ Mass Media;
- ⇒ Representatives of the District Councils;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Local Agenda 21 in the City of Gdańsk First STAGE – 1990-1996

- Defining the policy directions of sustainable development;
- Implementation of short- and medium- term priorities according to those specified in the 1993 resolution;
- Meetings with inhabitants from different city districts (organised and participated by local authorities representatives);
- First activities in the field of ecological education;



Local Agenda 21 in the City of Gdańsk First STAGE – 1990-1996

- Information brochures on process progress, including realisation of priorities;
 - since 1991 elaboration of "Environmental quality assessment in Gdańsk Municipality" and its presentation to the groups of interest;
- **1995** propagation of sustainable development idea printing and distribution of "Local Agenda 21" brochure;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Local Agenda 21 in the City of Gdańsk <u>Second STAGE – 1996-2005</u>

- Implementation of long-term priorities according to those specified in the 1993 resolution;
- Identification of new problems and tasks;
- Increased public participation in the process:
 - regular meetings in the districts;
 - since 1998 "round-table" sessions Forum LA 21;



Topics discussed within the Local Agenda 21 Forum

- Implementation of priorities fulfilment of the 1993 resolution assumptions;
- City Development Strategy;
- Spatial planning policy;
- Transportation;
- Tourism and recreation;
- Waste and sewage sludge management;
- Housing;
- Education;
- Social and medical care;
- Culture and art;
- Sustainable development indicators;
- New ecological priorities;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Local Agenda 21 in the City of Gdańsk Second STAGE – 1996-2005

- Development of activities in the field of ecological education:
 - co-financing of ecological projects and the projects related to environmental issues (Commune and County Environmental Protection and Water Management Funds);
 - meetings with pupils;
 - "composting" project at kindergartens;
 - workshops on waste segregation co-operation with Waste Utilisation Company;
 - study visits to municipal sewage treatment plant;
 - competitions for schools and kindergartens;
 - participation in international actions: "Clean-up the World"; "Earth Day", "Car Free Day";



Tools used for monitoring, verification and evaluation

MONITORING

- Regional automatic air pollution monitoring system –
 constant control over the air quality (including: 5 stations
 ARMAAG Fund, 7 stations sanitary institution); data
 available on www.armaag.gda.pl web site;
- Water quality monitoring system every month control (44 measure points);
- Questionnaires and surveys (analysis and taking into account of the results);
- Sustainable development indicators;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

Tool used for monitoring, verification and evaluation

EVALUATION due to:

- Discussions within Local Agenda 21 Forum;
- Elaboration and presentation of the reports (annually: Environmental quality assessment);
- Information brochures and bulletins;



International partners and projects

- European Sustainable Cities and Towns Campaign;
- Council of European Municipalities and Regions (CEMR);
- Regional European Centre (REC);
- *ECOFYS Energy and Environment;
- *ROTEB;
- *TEBODIN Consultants and Engineers (The Netherlands);
 - * within the project related to waste management: "Strategy for the development of effective solid waste management" – **2000-2002**;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

International partners and projects

- ICLEI International Council for Local Environmental Initiatives:
 - LASALA (Local Authorities Self Assessment of Local Agenda 21);
 - Local Agenda 21 Guidelines and Training Program;
 - Cities for Climate Protection Campaign (1996);
 - Global Cities 21;
 - EcoBudget;
 - DISCUSS;
- UBC Union of the Baltic Cities:
 - SUFA "Success Factors in Local Environmental Policy for LA 21 and EU Enlargement in the Baltic Sea Region" project;



International partners and projects

- UBC Union of the Baltic Cities:
 - Baltic Agenda 21;
 - SAIL project (Spreading Awareness and Fostering the Implementation of Local Agenda 21 Around the Baltic Sea);
 - EMAS (Eco-Management and Audit Scheme) "EMAS
 Peer Review for Cities" project 2003-2004;
 - SUSTAINMENT Integrated solutions for sustainable management in Baltic cities" project – the vision of sustainable management centre – 2006-2007;













Our successes

"The Leader of Polish Ecology" Award – granted by Polish Ministry of Environment







RESULTS ACHIEVED

- Strategic documents in course with sustainable development rules and principles;
- Identification of priorities and problems;
- Ecological education;
- Involvement of citizens and different sectors in the decision making process;
- Awards well defined and consequently implemented policy was noticed abroad;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

RESULTS ACHIEVED Integrated water management

- Success in short- and of medium-term priorities implementation process:
 - potable water meets the quality standards due to the protection of drinking water intakes, creation of green isolation zones around those intakes;
 - from Helcom "black list" through modernisation of sewage treatment plant and removal of illegal sewage outlets to clean beaches, good quality of coastal water (opening of bathing resorts) and possibility to use inland water for recreation;
 - increased flood control modernisation of pumping stations (decrease in groundwater level), reconstruction of flood banks, construction of modern retention tanks;





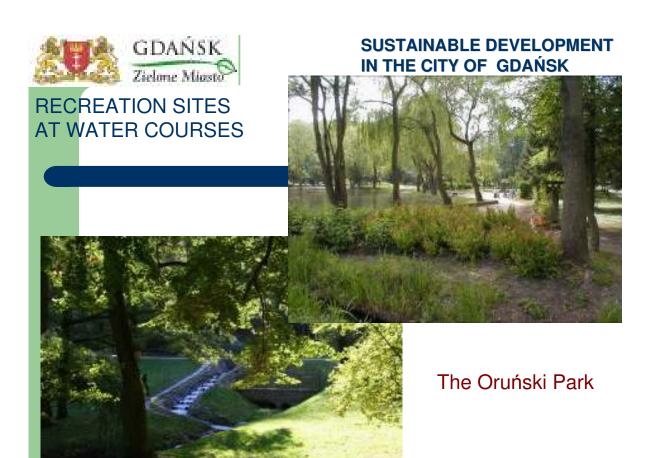






Bastions at Motława River







RESULTS ACHIEVED <u>Air protection</u>

- Introduction of environmentally friendly technologies by industrial plants – modernisation of production processes;
- Modernization of heating systems reduction of the number of individual coal burning stoves;
- Reduction of the transportation and noise nuisances constantly undertaken actions including the development of cycle paths, modernisation of public means of transport and the tram infrastructure (tramways);
- Creation of small green areas in the City districts;
- Constant CO₂ emission reduction;
- Level of pollution agents SO₂ and NO_x as required;





CYCLE PATH IN SŁOWACKIEGO STREET



- length 3,4 km
- built in 2003/2004



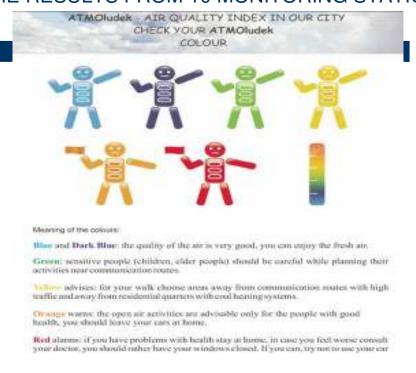






SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

AIR QUALITY ASSESSMENT – ON THE BASE OF THE RESULTS FROM 10 MONITORING STATIONS





RESULTS ACHIEVED Waste management

- Development of waste segregation system;
- Pilot project on complex domestic waste collection –
 2001-2002:
- Industrial waste management: recycling (conversion of ashes into gravel), reuse (construction waste for hardening of the roads);
- Removal of illegal dumping places;
- So far modernisation of the municipal landfill:
 - gas extraction system;
 - atypical waste collection platform;
 - WEEE collection station;
 - composting line (KNEER system, composting in piles);
 - secondary sorting of waste collected in containers;



SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

RESULTS ACHIEVED Waste management



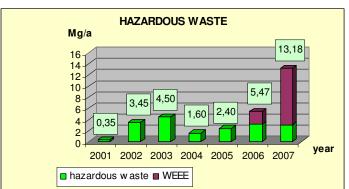


- Distribution of 500 sets of containers for waste segregation;
- 10% of recovery in average (20-30% of paper; 10-15% of glass; 5-10% of plastics);
- Separate collection of used clothes and shoes, overdue medicines hazardous waste;



RESULTS ACHIEVED Waste management



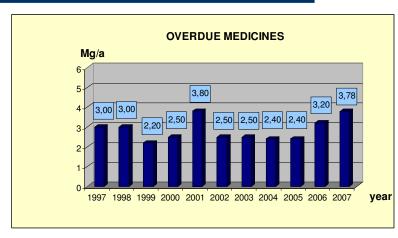




SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

RESULTS ACHIEVED Waste management

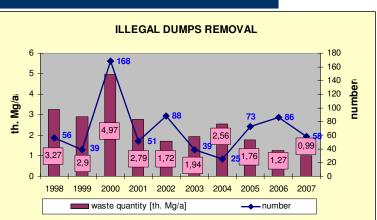






RESULTS ACHIEVED Waste management







SUSTAINABLE DEVELOPMENT IN THE CITY OF GDAŃSK

RESULTS ACHIEVED Gdańsk Development Strategy by 2015

- VISION: Gdańsk being an attractive place to live and having a competitive and modern economy;
- Outlines the directions of the City transformation over the next 10 years, which could result in an optimal use of the City's values and resources;
- Elaborated hand in hand with the inhabitants and in line with the principle of sustainable development;
- Presents 22 operational programmes including environmental one: "GREEN CITY OF GDANSK";



RESULTS ACHIEVED Gdańsk Development Strategy by 2015

"GREEN CITY OF GDAŃSK 9th operational programme





