

# Experiences from appraisal of environmental projects

Warsaw 30 March 2007

Norman Weisz

---

Senior Environmental Officer - FMO

# PRESENTATION STRUCTURE

1. District heating networks + Replacement of energy sources
2. Thermal Insulation of public buildings
3. Renewable energy
4. Wastewater treatment
5. Sustainable development
6. Environmental capacity (NFM)
7. Environmental research

# District heating networks + Replacement of energy sources

11 projects totalling EUR 9.3 million

- Received: October 2006
- Status: Ready for grant decision

The projects include

- 18 km of new or improved district heating piping
- Liquidation of small inefficient energy sources
- New and more efficient energy sources, sometimes using renewable energy

# Thermal insulation of public buildings

68 projects applying for EUR 43.4 million

- Received: October 2006-February 2007
- Status: First group of 35 projects ready for grant decision



# The projects include:

- Mainly schools, some hospitals and other institutions
- Works on 427 buildings
- Standard measures for insulation plus new windows and doors
- New and more efficient energy sources, sometimes using renewable energy
- Heat distribution and control



# Renewable energy projects

3 projects totalling EUR 3.6 million

- Received: October 2006
- Status: Ready for grant decision

The projects include

- Two landfill gas collection projects with CHP installations
- One small hydropower plant



# Appraisal issues – Energy projects

- Revenue generation through cost savings and increased sales
- Availability of alternative financing
- Time from application to implementation
- State aid
- Choice of fuel
- Sources of biomass from a biodiversity point of view

# Total figures - energy applications

- 82 projects
- Applied for EUR 56.3 million
- 203 GWh/year saved energy
- 20 GWh/year produced from renewable sources
- More than 100.000 tonnes less CO<sub>2</sub> to the atmosphere each year





# Wastewater treatment

8 projects totalling EUR 10.7 million

- Received: October 2006
- Status: 3 approved, 1 rejected, 4 ready for grant decision

The projects include

- 50 km of wastewater pipelines
- Advanced treatment for about 70,000 people



# Appraisal findings - Wastewater

- New sewer and treatment capacity is needed
- Polluter Pays Principle not fully implemented
- Financial and economic information insufficient
- Design issues – above ground
- Maintenance issues – relatively new plants are worn down
- Unrealistic capacity assessments
- Feasibility of solution
- Process guarantees!
- Training requirements



# Sustainable development

5 projects totalling EUR 3.4 million

- Received August 2006
- Status: 4 approved, 1 rejected

## Topics

- Production resources saving
- Municipal strategies for renewable energy development
- Education about environmental sustainability
- Management of Natura 2000 sites



# Environmental capacity

## 2 projects totalling EUR 1.2 million

- Received: June and August 2006
- Status: approved
- Improve efficiency of the Environmental Inspectorate
- Monitoring for better coastal zone management



# Environmental research – complement the environmental projects

## 2 programmes of EUR 13.7 million

- Received June-July 2006
- Status: both approved
- The Polish-Norwegian research fund of EUR 13 million will support environmental research as a main focus

## 16 projects of EUR 7.8 million

- Received July 2006
- Status: 15 approved
- 59% environmental research
- 30% health care research



# General appraisal findings

- Presentation of qualification
- Justification and realism of proposed solution
- User involvement and ownership
- Relation to overall policies and strategies
- Detailed budget always needed
- Co-financing not always clear

# Time is of essence!

Actions taken by FMO to reach the target:

- Improvements in the computerised case handling system
- In house capacity has been increased
- Group appraisals have increased the efficiency
- Desk appraisal - when possible
- Continuous search for simplifications of procedures

Thank you for your attention!