

Project Air Quality Governance in the ENPI East Countries:

Terms of Reference

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Introduction

Project Partner Countries (in alphabetical order):

Armenia, Azerbaijan, Belarus, Georgia, Moldova, Russian Federation,
Ukraine

Project Budget: EUR 7 million

Project Duration: 4 years (potential start half of 2010)

Project Activities 1 - General

Gap analysis of existing relevant policy

Facilitation in ratification of UNECE CLRTAP protocols.

Provide tools for policy makers for offering incentives for businesses and individuals to improve their environmental behaviour.

Raise awareness of the possible gains from win-win investments and the economic and social costs of non-compliance, the environmental problems as well as rights.

Development of a mechanism for accounting for local conditions and technological capacity in the course of setting emission limit values (IPPC approach will be recommended).

Training on EMEP/EEA Atmospheric Emission Inventory Guidebook.

Y Preparation of pilot projects to be implemented at local level.

Project Activities II – Industry and Transport

Support towards the implementation of integrated permitting (IPPC).

Support towards the implementation of Best Available Techniques (BAT) and best practices for selected industrial sectors.

Introduction of transport related emission standards.

Development of mechanisms to encourage the use of public transport.

Development of enforcement measures such as inspection programmes.

Armenia

Improvement of its monitoring network, the assessment of its implementation potential for environmental acquis and CLRTAP protocols, transfer of methodologies: Emission inventories - adaptation of EMEP/EEA methodology to country specific conditions, assessment of emissions from transport sector, assessment of health effects, economic assessment (environmental accounting, costs of environmental degradation), economic instruments.

Potential pilot projects: Environmental strategy and action plan for the Capital City of Yerevan, feasibility study for the introduction of IPPC in selected sector (installation) or the assessment of introduction of car-free zones.

Azerbaijan

Assessment of Country's Implementation Potential for environmental acquis and for CLRTAP protocols, transfer of methodologies: Emission Inventories - adaptation of EMEP/EEA methodology to country specific conditions, assessment of emissions from transport sector, assessment of health effects and risk assessment, economic assessment, economic instruments, support in drafting legislation related to the reduction of emissions from transport.

Potential pilot projects: Environmental strategy and action plan for Baku (mainly with respect to transport related emissions), public awareness raising or feasibility study for the introduction of IPPC in selected sector (installation).

Belarus

Facilitation of ratification of CLRTAP protocols; development of complex program to reduce emissions of HMs and to assess potential for ratification of the Protocol on HMs; Introduction of passive monitoring; Training of staff in the field of air quality monitoring; Selection of sectors in which IPPC concept should be introduced first (including the development of BAT based emission limit values); Introduction of chemical transport models; Introduction of models for calculation of emissions from transport.

Pilot projects: Transport-environmental models for the City of Minsk; Development of technology based emission limit values in selected sectors and for selected technology equipment; Organisation of self-monitoring in selected installation (e.g. cement kiln)

Georgia

Improvement its air quality monitoring network, support in drafting air quality management strategy and legislation and training of staff (EC legislation, emission inventories, projections and modelling, methodology of VOC monitoring).

Potential pilot projects: Recovery of energy from wastes, feasibility study for the introduction of IPPC in selected sector (installation).

Moldova

Development of air quality assessment and management strategy, improvement of the air quality monitoring network as well as in introduction of modern air quality legislation (including IPPC) and ratification/implementation of the Gothenburg Protocol.

Potential pilot projects: Air quality action plan for Chisinau (including city air pollution mapping) or feasibility study for the introduction of IPPC in selected sector (installation).

Russian Federation

Potential interest in facilitation of CLRTAP protocols ratification (joining the project supported by UNECE), feasibility study on Introduction of IPPC in selected sectors (energy, non-ferrous metallurgy), application of the GAINS model and feasibility study for the introduction of technology-based emission limit values in selected sectors (including methodology of compliance assessment).

Potential pilot projects could include application of advanced dispersion/chemical transport modelling (PM_{10} , $PM_{2.5}$ and ground level ozone) in St Petersburg or regional emission reduction and air quality management projects (including IPPC) in selected industrialized regions/cities (e.g. Jekaterinburg, Nizhnyi Novgorod, Rostov nad Donom, Saratov, Tomsk).

Ukraine

Expressed interest in methodologies applied in the EU (air quality assessment, emission measurements, data validation, data treatment and presentation / visualization , modelling), in the improvement its air quality monitoring network and in the improvement of the system of economic instruments (charges, penalties, compensations).

Potential pilot projects could include measurement of PM_{10} ($PM_{2.5}$) and ground level ozone at selected site(s) or feasibility study for the introduction of IPPC (including technology based emission limit values) in selected enterprises (including the selection of the major air polluters).

Thanks for your attention