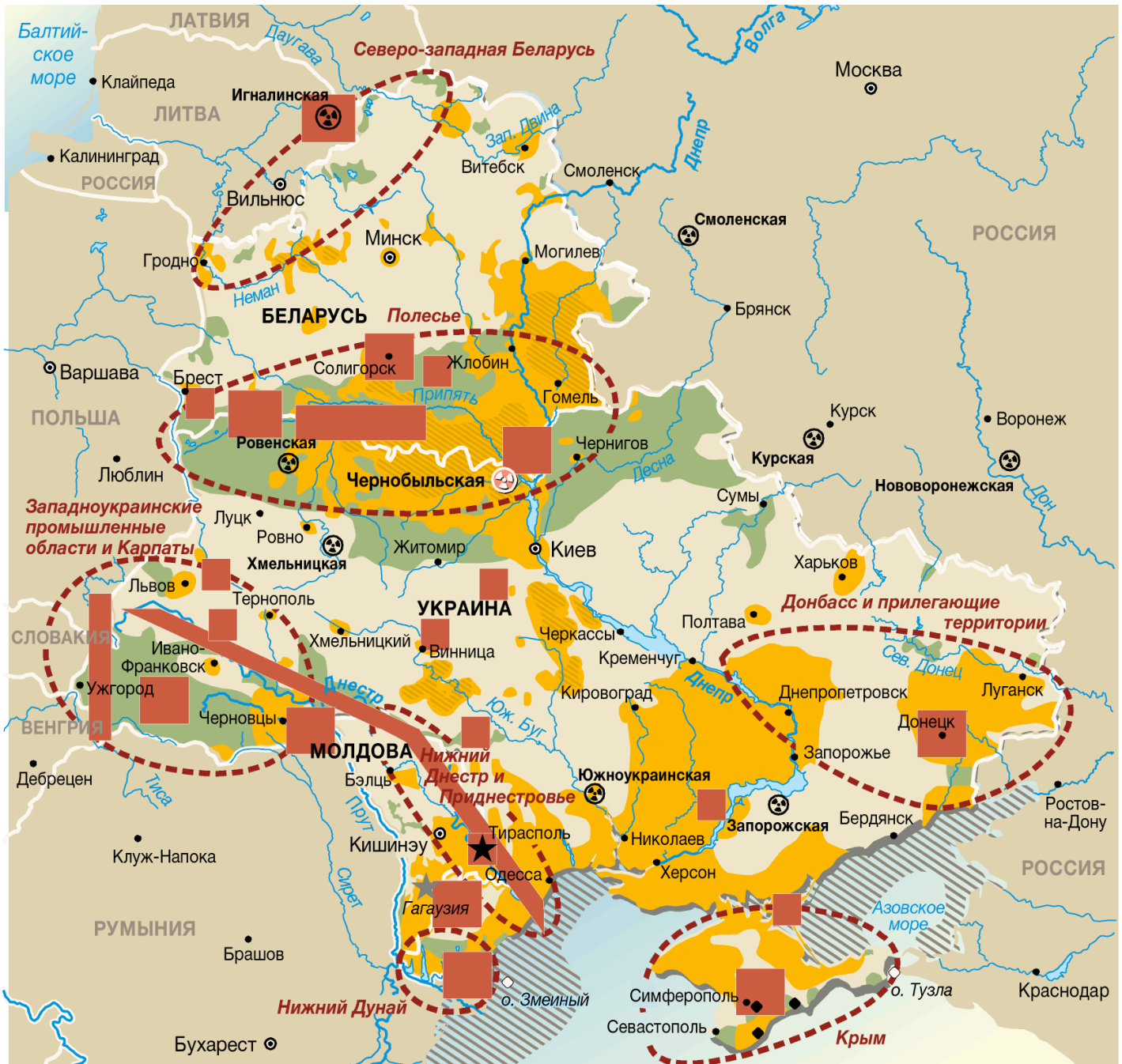


# Environment and Security initiative

EASTERN EUROPE: BELARUS • MOLDOVA • UKRAINE



## ENVSEC REGIONAL WORK PROGRAMME

status per april 2008

## Summary of ENVSEC activities in Belarus – Moldova – Ukraine

Focus areas and projects	Implementation		Funding available
	Organisations	Countries	
<b>Management of shared environmental resources</b>			
Transboundary cooperation and sustainable management in the Dniester river basin: implementation of the action programme	UNECE OSCE UNEP	MD, UA	partial
Real-time monitoring and decision support systems for international rivers: the Dniester and Prut rivers	NATO	MD, UA (with RO)	full
Cross-border assessment and management plan for the Drisviaty / Druksiai lake basin	UNEP REC	BY (with LT, LV)	full
Sustainable management of shared water resources in the upper Pripyat basin	UNEP OSCE UNDP	BY, UA	partial
Joint environmental monitoring, assessment and exchange of information for integrated management of the Danube delta	UNECE OSCE UNEP	UA, MD (with RO)	partial
Environmental assessment of development planning and environment-security monitoring in Crimea	UNDP UNEP	UA	partial
<b>Mitigating security risks from sources of pollution and waste</b>			
Mitigating risks from stocks of obsolete pesticides in transboundary basins and near-border areas	NATO OSCE (MD)	MD, BY	partial
Development of capacities for application of the Espoo Convention	UNECE	BY, UA	not yet
Assessment and capacity-building for managing environment and security risks in Donbas and Soligorsk regions	UNEP	BY, UA	full
Study of Plutonium, Americium and other radionuclides in the Belarus sector of the Chernobyl power plant's exclusion zone	NATO	BY with UA	full
<b>Addressing environmental aspects of security policies</b>			
Sustainability assessment of energy security strategies	UNDP UNEP	BY, MD, UA	partial
Training, awareness raising and institutional support to address environmental effects of defence activities	OSCE (UA)	UA with BY, MD	not yet
Disposal of stocks of rocket fuel toxic component (mélange)	OSCE (UA)	UA	partial
<b>Strengthening institutions in the environment and security domain</b>			
Needs assessment, technical, institutional and legal strengthening of environmental cooperation and management in Transnistria	OSCE UNEP	MD	partial
Prevention of illegal cross-border transport of hazardous waste: training of border and environmental authorities	OSCE (UA)	UA with BY, MD	full
Illegal logging: governance, implementation and enforcement	REC	UA (with SEE)	not yet
Awareness, public participation and education on environment and security risks and linkages	UNEP OSCE REC	BY, MD, UA	partial

### Projects under development for their potential inclusion in ENVSEC work programme

Strengthening of flood monitoring & forecasting in the Pripyat river basin	NATO UNEP	BY, UA	-
Technology for environmental rehabilitation of the Pryluky airfield	NATO	UA	-
Assessment and management of environmental risks at closed and operational military sites	TBI	BY	-
Guidelines on the use of international law and mediation to prevent and resolve environmental conflicts	UNEP UNECE REC	BY, MD, UA	-

## Management of shared environmental resources

### Transboundary cooperation and sustainable management in the Dniester river basin: Implementation of the Action Programme (Dniester III)

Countries: Ukraine, Moldova  
Implementing agencies: UNECE, OSCE, UNEP

Duration: 2007-10  
Funding: partly available

#### Local and other partners

- National and sub-national Environmental, Water, Hydrometeorology, Health care / Sanitary authorities
- Research institutes and NGOs



**Project vision / goals** Building upon previous activities of ENVSEC agencies in the Dniester basin, the project aims at improving environmental situation in the basin through enhanced cooperation.. In particular the project supports the development of a new Dniester River Basin Agreement, cooperation on water quality between sanitary-epidemiological services, integration of biodiversity concerns in basin management, and a broad exchange of environmental information on water-related issues.

#### Deliverables and outcomes

- Dniester River Basin Agreement negotiated and prepared for signing
- Feasibility study and pilot activities for basin-wide sanitary monitoring of water quality
- Draft Fishing Rules for the Lower Dniester
- Operational pilot of a transboundary basin information management system
- Publication of results for the public and decision-makers

#### Activities

- Policy and expert meetings
- Legal drafting and negotiations
- Studies and capacity development for improved monitoring and exchange of information
- Publicity and awareness raising

### Real-time monitoring and decision support systems for international rivers: the Dniester and Prut rivers

Countries: Ukraine, Moldova, Romania  
Implementing agencies: NATO

Duration: 2001-8  
Funding: fully available

#### Local and other partners

- National and basin water and hydrometeorology authorities
- Research institutes and consultancies (Águas de Gaia, Portugal; European Topic Centre for Inland Waters, UK)
- Suppliers of equipment (Phoenix Instrumentation Ltd, UK)



**Project vision / goals** To enhance the development of a common framework for data exchange required for sustainable management of the rivers Prut and Dniester shared by Moldova, Romania, and Ukraine.

#### Deliverables and outcomes

- Four automatic water-monitoring stations measuring 6 basic parameters purchased and put into sustainable operation at the two rivers (sites Tudora, Sireuti, Naslavcea and Valea Mare)
- Data are freely shared with interested parties

#### Activities

- Procurement, training and maintenance support (one year)
- Coordination with the emerging framework for Dniester basin information exchange

## Cross-border assessment and management plan for the Drisviaty / Druksiai lake basin

Countries: Belarus with Lithuania, Latvia  
Implementing agencies: UNEP, REC

Duration: 2007-8  
Funding: fully available

### Local and other partners

- National environmental authorities
- Lithuanian energy authority (AB "Lietuvos energija"), local governments
- Research institutes, non-governmental organisations



**Project vision/ goals** Starting the preparation of an integrated basin management plan as well as environmental information management and exchange system for the Druksiai / Drisviaty lake catchment basin as building blocks for a transboundary resource management system

### Deliverables and outcomes

- Assessment and pilot electronic resource database
- Set-up for the development of an Integrated water resources management plan
- Improved local capacities and cooperation for transboundary resource management

### Activities

- Joint project planning, consultations with stakeholders, data collection
- Workshops on lake basin conditions and management, information exchange and awareness raising
- Development of a follow-up proposal for basin management plan and information system

## Sustainable management of shared water resources in the upper Pripjat basin

Countries: Belarus, Ukraine  
Implementing agencies: UNEP, OSCE, UNDP

Duration: 2008-9  
Funding: partly available

### Local and other partners

- Ministries of the Environment and Transport of Belarus, State Water Committee of Ukraine, local water and navigation control authorities
- research institutes (CNIKIWR in Belarus, Institute of Water Economy in Ukraine)



**Project vision / goals** The project supports sustainable management of shared water resources in the upper Pripjat basin. In particular the projects facilitates the development, harmonisation and bilateral implementation of water allocation procedures for the Beloozerskaya water-feed system of the Dnieper-Buh Canal in an environmentally safe, economically viable, and mutually acceptable manner.

### Deliverables and outcomes

- Hydrological profile of the Pripjat river at the Vyzhevsky floodgate under various flow conditions
- Results of the bilateral study of flow regime and hydro-ecological conditions of the upper Pripjat, Beloozerskaya water-feed system, and the Dnieper-Buh canal
- Justification of water flow allocations in the upper Pripjat to meet the needs of environment protection in the basin, maintenance and navigation of the Dnieper-Buh canal, and the optimal control of high flow events.

### Activities

- Data collection and analysis
- Field work (detailed hydrological and hydro-ecological studies)
- Expert and policy workshops
- Development and adoption of Operation Rules for the Beloozerskaya water-feed system

## Joint environmental monitoring, assessment and exchange of information for integrated management of the Danube delta

Countries: Ukraine, Moldova, Romania  
Implementing agencies: UNECE, OSCE, UNEP

Duration: 2008-9  
Funding: partly available

### Local and other partners

- ICPDR (the Danube commission)
- National Water, Environment, Transport authorities
- Research institutes and NGOs
- Secretariats of international conventions (Bern, Ramsar, CBD), UNESCO



**Project Vision / Goals** To improve environmental conditions in the Danube delta and cooperation between the riparian countries. In particular the project aims at a better overall and mutual understanding of the effects of dredging on water balance, quality and the environment, and at establishing a framework for exchanging research and official information on environmental issues between Danube delta countries. The project builds upon recommendations of the Espoo Convention's Inquiry commission, as well as on a decision of the Heads of Delegations to ICPDR (Odesa, December 2007) to co-operate towards achieving a good ecological status of the Danube delta in line with EU Water Framework Directive (WFD) and international and regional environmental obligations. Such cooperation includes the preparation of a coordinated Danube Delta Analysis Report.

### Deliverables and outcomes

- Review of studies and results of state monitoring of environmental issues in the area
- Summary analytical report approved by the participating countries
- Outline of a monitoring and information system as a basis for decisions and dispute resolution
- Agreement on mechanisms for preparing the Danube Delta Analysis Report
- Conclusions on the arrangements to implement the obligations of the countries (Moldova/Ukraine/Romania) in the context of Article 8 of the Espoo Convention

### Activities

- Joint policy meetings
- Data review and analysis
- Development of mechanisms for information exchange, assessment and environmental cooperation

## Environmental assessment of development planning and environment-security monitoring in Crimea

Countries: Ukraine  
Implementing agencies: UNDP, UNEP

Duration: 2007-9  
Funding: partly available

### Local and other partners

- Crimean regional authorities, local planners and community representatives
- Research organisations, NGOs
- UN Habitat



**Project vision / goals** To promote implementation of strategic environmental assessment (SEA) in Crimea as a recognised tool for integrated sustainable development planning and conflict prevention. The project will be linked to and support the implementation of the Crimea Integration and Development Programme of UNDP. The project will also help implement a mechanism for monitoring and reporting on environmental and natural resource aspects of security situation as an add-on to existing security monitoring by UNDP.

### Deliverables and outcomes

- Built capacity of local stakeholders in SEA application in regional development planning
- Design of environment-security monitoring, with regularly disseminated situation analyses
- Inputs to regional / local decision-making and planning processes

### Activities

- Production and publication of SEA training materials
- Meetings and training events, consultations with decision-making bodies of Crimea
- SEA application / demonstrations
- Design of monitoring criteria and techniques, publication of results

## Mitigating security risks from sources of pollution and waste

### Mitigating risks from stocks of obsolete pesticides in transboundary basins and near-border areas

Countries: Moldova, Belarus

Duration: 2006-10

Implementing agencies: NATO, OSCE (MD)

Funding: partly available

#### Local and other partners

- National and local Environmental authorities, Ministry of Defence (Moldova)
- World Bank
- Research institutes / universities, non-governmental organisations



**Project vision / goals** To continue analysis, repackaging and disposal of obsolete pesticides in Moldova, (possibly extending activities to the Transnistrian region). To investigate pesticide-related risks, needs and disposal options in near-border regions of Belarus (Brest and Gomel oblasts). To support development of technological solutions for pesticide destruction in Belarus.

#### Deliverables and outcomes

- Support to inventory and repackaging of pesticides in Moldova
- Field, analytical and feasibility studies for selected locations and depots in Belarus
- Research and development on plasma technologies for pesticide destruction in Belarus

#### Activities

- Repackaging and disposal (Moldova)
- Studies of pesticide composition, status and associated risks, disposal options (Belarus)

### Development of capacities for application of the UNECE Espoo Convention on Environmental Impact Assessment in a Transboundary Context

Countries: Belarus, Ukraine

Duration: 2008-9

Implementing agencies: UNECE

Funding: not yet available

#### Local and other partners

- Ministries of Environment Protection
- Industrial developers (Belarus)
- Research organisations



**Project vision / goals** To implement a pilot project to clarify procedures and mechanisms and strengthen capacities in Belarus in relation to the implementation of the UNECE Convention on Environmental Impact Assessment in a Transboundary Context. The project will address a concrete case of economic development, tentatively in the Polesie region.

#### Deliverables and outcomes

- Improved implementation capacities in Belarus
- Increased cooperation among the countries, and addressing a specific case of cross-border impact
- Publication of results of the transboundary impact assessment

#### Activities

- Start-up meeting, concluding regional conference
- Assessment of the selected development project
- Notification and Espoo procedures in the two countries

## Assessment and capacity-building for managing environment and security risks in the Donbas and Soligorsk regions

Countries: Belarus, Ukraine  
Implementing agencies: UNEP

Duration: 2008-9  
Funding: fully available

### Local and other partners

- Ministries of the Environment and regional environmental authorities
- Sectoral agencies (e.g. Ministry of Coal Industry of Ukraine)
- Research organisations e.g. Belkhimprom in Belarus
- NGOs and media organisations



**Project vision / goals** To support regional environmental management and governance in socially-stressed areas. In particular the project assesses and helps mitigate environmental risks related to unsustainable mining practices and increases transparency over environmental issues and decision-making through supporting environmental awareness activities with city / regional authorities, media and NGOs. The project builds upon ENVSEC's 'mining for closure' experience in SE Europe, and UNEP's GEO-cities activities in the Donetsk oblast.

### Deliverables and outcomes

- Assessment of risks associated with mining and mining waste
- Targeted support for environmentally-efficient mine management (improved knowledge base, practices, rules and regulations)
- Strengthened transparency and communication capacities of environmental authorities, mass media and NGOs, user-friendly publication of environmental information
- Identification of feasible follow-up activities

### Activities

- Technical assessments and consultations
- Field visits and inventories of risks and impacts
- Policy workshops and capacity-building for authorities, media and NGOs
- Strengthening local environmental information policies, systems and products

## Study of Plutonium, Americium and other radionuclides in the Belarus sector of the Chernobyl power plant's exclusion zone

Countries: Belarus with Ukraine  
Implementing agencies: NATO

Duration: 2008-10  
Funding: fully funded

### Local and other partners

- Ministries of the Environment and Emergency Situations of Belarus
- Polesie State Radiation-Ecological Reserve (Belarus)
- Research institutes (Institute of Radiobiology, Belarus State University, Centre for Radiation Control and Environmental Monitoring in Belarus, Institute of Agricultural Radiology / National Agricultural University in Ukraine)
- University of Life Sciences, Radiation Protection Authority (Norway)



**Project vision / goals** The overall goal of the proposed project is to obtain comprehensive information about the radioactive contamination of the territory of Polesie State Radiation-Ecological Reserve, and to estimate radio-ecological consequences of the redistribution of radionuclides as a result of extreme natural phenomena such as fires and floods.

### Deliverables and outcomes

- Detailed patterns of Cs, Sr, Pu, Am-241 in soil, sediments, water, plants within the area
- Identification of physico-chemical forms (particles, sequential extraction) of radionuclides in soil and sediments, mechanisms for their inclusion in food-chains, bioaccumulation and effects on biota
- Database and maps of radioactive contamination, combined with similar results from Ukraine

- Improved models for Cs and Sr migration in terrestrial ecosystems (soils)
- Data and simulation on the impact of extreme natural phenomena on the transport of radionuclides within Belarus and across the border

#### Activities

- Data collection and analysis
- Field studies and joint workshops
- Modelling and mapping
- Publication of results

### Addressing environmental aspects of security policies

#### Sustainability assessment of energy security strategies

Countries: Belarus, Moldova, Ukraine  
 Implementing agencies: UNDP, UNEP

Duration: 2007-9  
 Funding: partly available

#### Local and other partners

- Ministries / Agencies of Environment, Energy, Industry
- Research organisations (Lund University, Central European University)
- European Environment Agency
- Global Energy Assessment network



**Project vision / goals** To assess environmental implications of the existing energy security strategies in Eastern Europe, identify environmentally sustainable solutions to strategic energy security challenges in the region, and strengthen capacity for integrating environmental concerns in national energy planning.

#### Deliverables and outcomes

- Guidelines for sustainability assessment of national energy strategies, developed in a participatory process and reflecting strategic, legal, institutional and other issues related to their application
- Region-wide analysis of the environmental dimension of energy security planning
- Increased awareness and capacities of countries in the region to systematically consider environmental implications of energy security policies in energy planning

#### Activities

- Methodology development
- Regional-scale research and participatory analysis
- Meeting and training events
- Publication and awareness raising

#### Training, awareness raising and institutional support to address environmental effects of defence activities

Countries: Ukraine with Belarus, Moldova  
 Implementing agencies: OSCE (UA)

Duration: 2008-10  
 Funding: not yet available

#### Local and other partners

- Ministries of Defence
- Ministries of the Environment



**Project vision / goals** To provide facilities and programme for systematic training of defence personnel in assessing and managing environmental risks; to support production of information on environmental impacts of Ukrainian defence activities and infrastructure (database of areas and facilities at risks; public reports on environmental impacts of armed forces). Eventually to lay ground for strengthening institutional basis for managing environmental risks by the Ukrainian armed forces (standards, practices, legislation).



### Deliverables and outcomes

- Environmental training centre and training programme in Ukraine
- Increased capacities of military personnel in Ukraine and neighbouring countries
- Information products in public domain, increased awareness of military impacts on the environment

### Activities

- Institutional development, establishment of the training centre and training programmes
- National and regional training
- Support to information production and publication

### Disposal of stocks of rocket fuel toxic component (mélange)

Countries: Ukraine  
Implementing agencies: OSCE

Duration: 2007-11  
Funding: partly available

### Local and other partners

- Ministry of Defence
- Ministry of Foreign Affairs



**Project vision / goals** To help mobilise resources for the disposal of stocks of rocket fuel toxic component (mélange) stored at 7 locations in Ukraine.

### Deliverables and outcomes

- Mobilisation of funds
- Institutional and political support

### Activities

- Public tender for the disposal
- Targeted fund-raising activities
- Organisational support as required

## Strengthening institutions in the environment and security domain

### Needs assessment, technical, institutional and legal strengthening of environmental cooperation and management in Transnistria

Countries: Moldova  
Implementing agencies: OSCE, UNEP

Duration: 2008-10  
Funding: partly available

### Local and other partners

- Ministries of the Environment, Reintegration of Moldova
- de-facto authorities of the Transnistrian region
- NGOs



**Project vision / goals** To support environmental management and cooperation vs. the Transnistrian region of Moldova through needs assessment and support for addressing general and specific environmental issues in the area.

### Deliverables and outcomes

- Needs assessment
- Operational cooperation mechanism (working groups or similar; updated and adopted protocols on environmental cooperation)
- Proposals and support for specific actions

### Activities

- Desk and field assessments
- Joint meetings, legal drafting, scoping, resource mobilisation for follow-up activities

## Prevention of illegal cross-border transport of hazardous waste: training of border, customs and environmental authorities

**Countries** Ukraine with Moldova, Belarus  
**Implementing agencies** OSCE (UA)

**Duration** 2008-9  
**Funding** fully available

### Local and other partners

- Environmental, sanitary, customs, border authorities
- Research institutes and NGOs
- UNEP / Basel Convention secretariat, 'Green customs' initiative



**Project vision / goals** To strengthen capacities of authorities to monitor and prevent illegal traffic of hazardous materials waste, i.a. with reference to international practices and legal instruments such as the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal. Training will also produce recommendations on further capacity-building needs and actions.

### Deliverables and outcomes

- Increased understanding of issues and relevant procedures among public authorities
- Follow-up recommendations

### Activities

- Meeting on legislation and enforcement procedures
- Series of training workshops

## Illegal logging: governance, implementation and enforcement

**Countries** Ukraine with South Eastern Europe  
**Implementing agencies** REC

**Duration** 2008-10  
**Funding** not yet available

### Local and other partners

- Ministries of Environment Protection, Forestry
- Legislative and enforcement bodies
- NGOs



**Project Vision / Goals** To provide assessment, conclusions and recommendations related to the current forestry regimes with attention to the magnitude and extent of illegal logging; evaluate institutional structures, policy formation and implementation, resources and incentives, enforcement, corruption and legitimacy; identify concrete actions for key responsible actors to reduce or eliminate illegal logging. A collateral goal will be to link the activities with prospective international training in environmental crimes.

### Deliverables and outcomes

- Published and disseminated diagnostic audits of countries' regimes with respect to illegal logging
- Inputs to training materials on environmental crime prevention, detection and enforcement
- Comprehensive report on the scope and effect of illegal logging in relevant countries or regions
- Action plan on illegal logging in SEE and EE (legal, institutional and policy concerns, prevention, detection, interdiction, implementation and enforcement)

### Activities

- Diagnostic audits of policy, institutional and legislative set-ups in the countries.
- Fact-finding concerning the scope and effects of illegal logging activities countries.
- Production of recommendations / action plan for combating illegal logging in the target countries
- Meetings, conferences and events on illegal logging and project implementation

## Awareness, public participation in decision-making and education on environment and security risks and linkages

**Countries** Belarus, Moldova, Ukraine  
**Implementing agencies** UNEP, OSCE, REC

**Duration** 2007-10  
**Funding** partly available

### Local and other partners

- Ministries of the Environment, sectoral agencies
- NGOs and media organisations, educational organisations
- Canadian International Development Agency (PROGINT project)



**Project Vision / Goals** To support all ENVSEC activities by raising awareness of environment and security issues, 'hot spots' and linkages within the countries and in the region. Project activities will target mass media, NGOs and public authorities and use approaches already successfully tested in other ENVSEC regions.

### Deliverables and outcomes

- Enhanced media coverage of environment and security issues, 'hot spots' and linkages
- Strengthened capacities of public authorities, civil society and mass media to raise public
- Awareness of the respective issues and activities
- Improved flow of official information on environment and security issues to the general public
- Customised educational materials for schools

### Activities

- Support to environmental information centres and facilities
- Training of media, authorities and NGOs, media tours to 'hot spots' and project areas
- Customising and publishing information and educational materials

## ENVSEC contacts for Eastern Europe

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