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**Programme for the Prevention, Preparedness  
and Response to Man-Made and Natural Disasters  
in the ENPI East Region  
(PPRD-East)**

***Progress Report No 1 (July – December 2011)***

***Draft***

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## REPORT COVER PAGE

<b>Project Title:</b>	Programme for the Prevention, Preparedness and Response to Man-Made and Natural Disasters in the ENPI East Region (PPRD-East)	
<b>Project Number:</b>	2010/247-628	
<b>Countries:</b>	Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine	
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## 1 PROJECT SYNOPSIS

<b>Project Title:</b>	Programme for the Prevention, Preparedness and Response to Man-Made and Natural Disasters in the ENPI East Region (PPRD-East)
<b>Project Number:</b>	2010/247-628
<b>Countries:</b>	Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine
<b>Overall project objective:</b>	<ul style="list-style-type: none"> <li>○ To contribute to the peace, stability, security and prosperity of the Eastern Partner Countries and to protect the environment, the population, the cultural heritage, the resources and the infrastructures of the region by strengthening the countries' resilience, preparedness and response to man-made and natural disasters.</li> </ul>
<b>Project purposes:</b>	<ul style="list-style-type: none"> <li>○ To contribute to the development of the Partner Countries' civil protection capacities for disaster prevention, preparedness and response</li> <li>○ To bring the Partner Countries progressively closer to the EU Civil Protection Mechanism and improve cooperation among themselves.</li> </ul>
<b>Planned results:</b>	<p><u>Result 1:</u> Better knowledge of risk exposure and available resources for enhanced preparedness and response capacities in the region (through creation of the Electronic Regional Risk Atlas)</p> <p><u>Result 2:</u> Enhanced legislative, administrative and operational civil protection capacities of the Partner Countries in the field of prevention, preparedness and response</p> <p><u>Result 3:</u> Improved information, awareness and participation of stakeholders regarding disaster prevention, prevention and response.</p> <p><u>Result 4:</u> Partner Countries are well informed about the EU Civil Protection Mechanism and able to effectively collaborate with the Mechanism participating states in responding to disasters, including through close cooperation with the MIC via the established contact points.</p> <p><u>Result 5:</u> Needs for a possible further development of cooperation with Eastern partners following the end of the Programme (Phase II) are identified.</p>
<b>Project activities:</b>	<p><i>Activity Area A: Development of the Electronic Regional Risk Atlas (ERRA)</i></p> <p>A1. Establishing the Policy Framework</p> <p>A2. Development of Electronic Regional Risk Atlas (ERRA)</p> <p>A3. Civil Protection Operational Manual</p> <hr/> <p><i>Activity Area B: Civil Protection/Disaster Management Capacity Building Programme</i></p> <p>B1. Establishing the Capacity Building Programme</p> <p>B2. Strengthening Stakeholder Capacity</p> <p>B3. Assessing the Impact of the Capacity Building Programme</p> <hr/> <p><i>Activity Area C: Institutional and Regulatory Strengthening</i></p> <p>C1. Strengthening the Regulatory Framework</p> <p>C2. Strengthening the Institutional Framework</p> <hr/> <p><i>Activity Area D: Raising Awareness on Civil Protection, Disaster Management and Disaster Risk Reduction Issues</i></p> <p>D1. Establishing the Awareness Raising</p>

	D2. Development and Implementation of Public Awareness Raising Activities <i>Activity Area E: Project Management</i> E1. Project Mobilisation and Team Building E2. Administrative Project Reporting E3. Phase II Design
<b>Target groups:</b>	<p><i>Main beneficiaries:</i></p> <p><u>Armenia:</u> Ministry of Emergency Situations  <u>Azerbaijan:</u> Ministry of Emergency Situations  <u>Belarus:</u> Ministry of Emergency Situations  <u>Georgia:</u> Ministry of Internal Affairs, Emergency Services Department  <u>Moldova:</u> Ministry of Internal Affairs, Civil Protection and Emergency Situations Service  <u>Ukraine:</u> Ministry of Emergency Situations</p> <p><i>Other stakeholders:</i></p> <p>State institutions involved in civil protection and disaster management (e.g. environmental agencies, medical institutions, water management, customs etc)  National and international NGOs working in the disaster management field  Local populations</p>
<b>Project start date:</b>	Date of the contract: 16 December 2010 Date of the kick-off meeting: 26 January 2011
<b>Project duration:</b>	48 months

## 2 SUMMARY OF THE PROGRAMME SINCE ITS START

### 2.1. Introduction

The kick-off meeting of the PPRD East Programme was held on 26 January 2011, giving a start to the Programme activities. The Programme office was established in Kyiv in the premises of the Eptisa office.

During the Inception Phase the PPRD East team experts have undertaken 5 missions to the Partner Countries identifying their needs and priorities. In Ukraine, the PPRD East Programme infoday was held. While collecting the baseline information, the PPRD East team identified the problems and issues common for the Partner Countries in order to put them as a basis for the Working Plan.

A Steering Committee of the Programme was established, comprising high officials of the beneficiary organisations of all 6 Partner Countries as well as representatives of the European Commission and 27 Member States. Beneficiary organisations appointed National Programme Coordinators, who are to play the crucial role in the Programme liaising beneficiaries and stakeholders from their countries with the PPRD East team.

The Steering Committee of the PPRD East Programme on 9 June 2011 has approved the Inception Report and the Programme Working Plan for the time period July 2011 – June 2012. Following a review of the key documents and the stakeholder consultations process, the Programme's long-term objective, main purposes, expected results and activities were specified and have been presented in the Inception Report without any significant deviation from the ToR.

The Inception Report has outlined four Activity Areas, which cover all the Programme actions and events:

- **A:** Development of Risk Assessment Methodology and of the Electronic Regional Risk Atlas
- **B:** Civil Protection Capacity Building Programme
- **C:** Institutional and Regulatory Strengthening (including Activities in support of requests for assistance to Government Environmental Emergency Projects (GEEP))
- **D:** Raising Awareness on Civil Protection, Disaster Management and Disaster Risk Reduction Issues

Bringing Partner Countries progressively closer to the EU Civil Protection Mechanism is a cross-cutting purpose of the Programme, on which most of the activities are focused.

### 3 PROGRAMME PROGRESS IN THE REPORTING PERIOD

During the reporting period the Programme activities were implemented according to the approved Working Plan.

#### 3.1. Activities during Reporting Period

Main activities implemented during the reporting period are brought in the table below:

Time (month)	Venue	Activity Area	Type of Activity	Main outcomes	Remarks
Oct 2011	Partner Countries	A	Preparation and distribution of info collection questionnaires	The first questionnaires were built using Google document services.	In future more sophisticated tool for general feedback collection will be created.
Oct 2011	Partner Countries	A	Preparation of GIS base data layers for all Partner Countries	The overall vector and raster layers were collected from public sources. Also a list of basic data layers necessary for Civil Protection was identified.	Missing metainformation system in countries, it is difficult to identify data source, ownership and accuracy for GIS data.
Oct 2011	Partner Countries	A	Translation of the EU Risk Assessment Guidelines into Russian	The document with parallel English and Russian texts was created and will be soon published on project web page.	The EU Risk Assessment Guidelines will be taken as a common platform for risk assessment and mapping
Oct 2011	Armenia	A	Drafting a common data model for PPRD East Programme and National Disaster Observatory (NDO)	Common data model for GIS layers with UNDP NDO was agreed. The data from NDO will be also implemented in ERRA.	Performed in cooperation with UNDP Armenia.
Nov 2011	Georgia	A	Cooperation with OASIS <sup>1</sup>	The common strategy for	Performed in cooperation with

<sup>1</sup> The objective of OASIS (Open Advanced System for Improved crisis management) is to define and develop an Information Technology (IT) framework based on an open and flexible architecture and using standards that will be the basis of a European Emergency Management system. OASIS is intended to facilitate the cooperation between the information systems used by civil protection organisations, in a local, regional, national or international environment. This Disaster and Emergency Management system aims to support the response operations in the case of large scale as well as local emergencies.

				creating Crises management system (OASIS) in Georgia and ERRA was agreed to avoid duplicity, and improve both systems.	NGOs implementing OASIS project in Georgia.
Nov 2011	Moldova	A	Drafting common strategy for creating National Disaster Observatory and Electronic Regional Risk Atlas.	The draft strategy was agreed to avoid overlapping.	Performed in cooperation with UNDP Moldova, the experiences from cooperation with UNDP Armenia were also taken into account.
Oct 2011	Ukraine	A	Digitalization of national database of Risk Passports	First digital maps of risk objects created for two administrative units (Dnepropetrovsk and Odessa oblasts)	Performed in cooperation with the Ministry of Emergency Situations (MoES) and National Aviation University
Sep 2011	Armenia	B	EU Civil Protection Mechanism Infoday	Participants were given detailed and comprehensive information of the European Civil Protection Mechanism, its structure, work modalities, capabilities and opportunities	54 participants from different ministries, other state institutions, NGOs and international organisations
Oct 2011	Azerbaijan	B	EU Civil Protection Mechanism Infoday	Participants were given detailed and comprehensive information of the European Civil Protection Mechanism, its structure, work modalities, capabilities and opportunities	25 participants from different ministries, other state institutions, NGOs and international organisations
Oct 2011	Georgia	B	EU Civil Protection Mechanism Infoday	Participants were given detailed and comprehensive information of the European Civil Protection Mechanism, its structure, work	30 participants from different ministries, other state institutions, NGOs and international organisations



				modalities, capabilities and opportunities	
Nov 2011	Moldova	B	EU Civil Protection Mechanism Infoday	Participants were given detailed and comprehensive information of the European Civil Protection Mechanism, its structure, work modalities, capabilities and opportunities	33 participants from different ministries, other state institutions, NGOs and international organisations
Dec 2011	Belarus	B	EU Civil Protection Mechanism Infoday	Participants were given detailed and comprehensive information of the European Civil Protection Mechanism, its structure, work modalities, capabilities and opportunities	44 participants from different ministries, other state institutions, NGOs and international organisations
Dec 2011	Ukraine	B	Regional seminar on exercise planning, conduction and evaluation methodology	A common concept of the exercise methodology for the whole duration of the Programme was elaborated and agreed upon	17 participants – exercise planners from all 6 Partner Countries
Dec 2011	Ukraine	B	Initial Planning Conference for Table Top Exercises	Scenarios, dates, venues, scope of participation, technical means and other main details of 4 table-top exercises were agreed upon; the planning process of the exercises started	17 participants – exercise planners from all 6 Partner Countries
Nov 2011	Partner Countries	B	Exchange of Experts Programme	Guidelines for the Exchange of Experts Programme were uploaded on the Programme website and disseminated to the Partner	The Exchange of Experts programme will allow the Partner Countries' civil protection experts to get familiar with and pass their knowledge to civil

				Countries	protection authorities of another Partner Country or the EU country. This form of cooperation is demand-driven, meaning that the Partner Countries are encouraged to request an expert visit or to invite an expert on the issue of their interest. The exchange will be provided by the EU Member States or the other Partner Countries and facilitated by the PPRD East Programme.
Jul 2011	Moldova	B	Participation in the workshop of the UNECE Hazard and Crisis management Project	5 specialists from Belarus took part in the hazard management workshop of the UNECE Danube Delta Project run by Ukraine, Moldova and Romania	Performed in tight cooperation with the Secretariat of the Convention on the Transboundary Effects of Industrial Accidents (UNECE)
Dec 2011	Moldova	B	Participation in the workshop of the UNECE Hazard and Crisis management Project	5 specialists from Belarus took part in the crisis management workshop of the UNECE Danube Delta Project run by Ukraine, Moldova and Romania	Performed in tight cooperation with the Secretariat of the Convention on the Transboundary Effects of Industrial Accidents (UNECE)
Oct 2011	Partner Countries	C	Initial Analysis of Civil Protection capacities	In the Technical Working Paper the initial analysis of the Civil Protection capacities of the Partner Countries is done. The information is grouped country-wise; conclusions contain possible areas to be addressed by the PPRD East	

				Programme	
Aug 2011	Ukraine	C	Round Table «Problems of prevention of man-made and environmental transboundary emergency situation due to the negative changes of environment in Kalush industrial and living agglomeration»	An action plan for preventing transboundary ecological technogenic emergency situation was drafted; the participants of round-table made recommendations to the Ukrainian authorities how to handle the situation in most efficient way.	35 participants from Ukrainian ministries, agencies, municipalities, and international organisations
Nov 2011	Ukraine	C	Follow-up on Kalush round-table “Meetings of the Task Force for Examination of Situation, Which Occurred at Toxic Wastes Landfill of «Oriana-Galev» LLC and at Dombrovsky Open-Cast Mine	Objective: establishment of various working groups that will develop the necessary action plans and budgets asap, so that at the beginning of December, plans and budgets can be allocated for the execution of works for the year 2012.	39 national and international persons participated
Aug-Sep 2011	Moldova	D	Participation at the International NATO PFP Exercise CODRII 2011	Communication expert of the PPRD East Programme participated in the Exercise CODRII 2011 as an observer. After making himself familiar with the exercise goals and set-up he discussed with the EADRCC officials involvement of the PPRD East communication component into the further NATO PFP exercises	Picture-show produced by the PPRD East Communication expert after the NATO PFP Exercise CODRII 2011 is posted on the Youtube channel <sup>2</sup> , more than 450 views

<sup>2</sup> <http://www.youtube.com/watch?v=a-t3Eodwfy8>

Oct 2011		D	Launch of the Programme web-page	English version of the PPRD East Programme web-page <a href="http://www.euroeastcp.eu">www.euroeastcp.eu</a> is up and running	Due to unexpected provider failure In December PPRD East Programme web-page is transferred to a new hosting
Nov 2011	Georgia	D	Regional workshop on developing common approach to the prevention-aimed public awareness raising strategy	Specialists of press-services of Civil Protection Authorities, journalists of national media, representatives of OSCE Secretariat (Georgia) and REC Caucasus gave a review of the situation with public awareness in the field of civil protection in each of the Partner Countries. The survey was summed up and discussed at the focus group session, laying the ground for development of the commonly agreed prevention-aimed communication strategy. Regional working group on information and communications is established.	Altogether 18 participants
Nov 2011	Partner Countries	D	Publication of PPRD East Programme leaflet	English version of the PPRD East Programme leaflet is published and disseminated to the Partner Countries, EU Delegations and on the Programme events	Russian version to be prepared during the first half of 2012
Dec 2011	Partner Countries	D	Publication of PPRD East Programme banner	English and Russian versions of the PPRD East Programme banner are	

				published and displayed at the seminar in Kiev	
Dec 2011	Partner Countries	D	Dissemination of the Newsletter #1 of the PPRD East Programme	English version of the Newsletter #1 of the PPRD East Programme has been electronically disseminated to the Partner Countries, EU Delegations, EU Member States and to other involved actors and partners	Hard copies will be published in January 2012 and sent out to all involved actors and partners
Dec 2011		D	Developing of the massmedia data base catalogue	Massmedia database catalogue is under development	The work to be completed in the 1 qtr 2012

### **Participation in the informational and cooperation-seeking events**

During the Reporting Period the PPRD East team experts took part in the following events:

- EU Presidency workshop on Crisis Communication (Poland)
- NATO PfP exercise “Codrii 2011” (Moldova)
- Meeting of the ENPI projects based in Kyiv (Ukraine)
- ENVSEC Environment and Security Partners’ Meeting (Brussels)
- Spatial data infrastructure in Ukraine workshop (Ukraine)
- Regular meetings with the main Programme beneficiary and Programme stakeholders in Ukraine
- Meeting with the ENVSEC coordinator for Belarus, Moldova and Ukraine (Ukraine)
- Brainstorm session on the Risk Atlas together with the DG EuropeAid, DG ECHO and PPRD South (Brussels)

### 3.2. Main achievements and constraints

#### ***Development of Risk Assessment Methodology and of the Electronic Regional Risk Atlas***

##### Main achievements

During the reporting period the main work was focused on launching processes for developing the ERRA. All activities were focused on these main tasks:

##### **Review of Existing Metainformation and GIS system:**

Until now the PPRD East team identified that there are 21 GIS systems used primarily in Civil Protection or related with it. All collected information was used in design of the ERRA skeleton – the core system of the final product. At the moment of submission of this report the questionnaire was not closed, because the team continuously tries to obtain as much information as is possible. The improved information in future will be used for finalization of ERRA system. Here is the most important information obtained from the questionnaire:

- Main purpose of the system is collecting the information
- The systems are used mainly as systems for intranet users
- Systems are based on Microsoft operation system
- Main database system used is Microsoft systems, as MS SQL or in worst case MS OFFICE files
- The database architecture is mostly Centralized
- As desktop GIS system ESRI or MapInfo are used
- The WEB GIS systems are not generally used with some exceptions

##### **Needs Analysis for the Electronic Regional Risk Atlas**

27 filled questionnaires were received from the responders with the specification of needs for ERRA. All obtained information was used during preparation of the Terms of Reference for ERRA skeleton. The key findings about needs, based on responses are:

- ERRA should reflect:
  - actual information about emergencies
  - transboundary emergencies
  - forecast of events
  - the detailed maps for capitals
- ERRA should have capabilities for data collection, exchange, decision support system and data dissemination tool
- ERRA should be system running in 24/7 regime

- ERRA should have a modality for exchange data between most of stakeholders
- There is lack of GIS experts in CP organisations

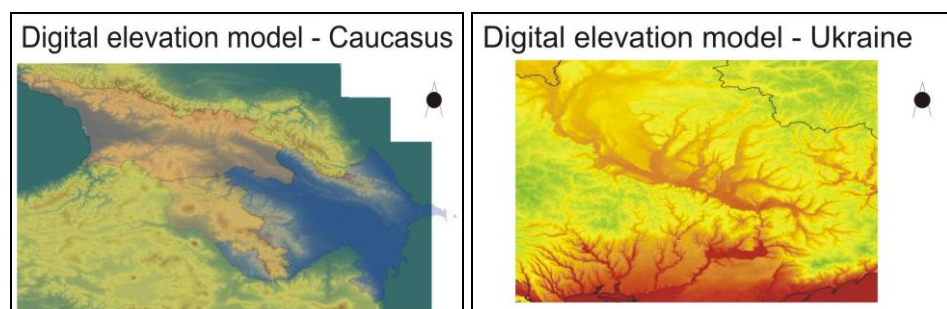
The key findings about technology used in CP are:

- Most of the stakeholders are running systems on Microsoft products
- The connection of users to the Internet is not limited
- The mobile technology is not used
- The printers for large size printing (plotters) are missing
- The GPS technology is not used

### **Analysis of Existing maps and data and Basic data collection:**

**DEM** – Basic Digital Elevation Model was created from SRTM source data. The Shuttle Radar Topography Mission (SRTM) is an international research effort that obtained digital elevation models on a near-global scale from 56° S to 60° N. The elevation models are arranged into tiles, each covering one degree of latitude and one degree of longitude, named according to their south western corners. The resolution of the cells of the source data is one arc second, but 1" (approx. 30 meter) data have only been released over United States territory; for the rest of the world, only three-arc-second (approx. 90-meter) data are available.

The data from SRTM was downloaded for the whole Eastern Partnership region. From practical reasons it was merged into two DEMs for each sub-region (DEM1 for Ukraine, Belorussia, Moldova and DEM 2 for Armenia, Azerbaijan and Georgia). For each of DEMs a basic colour ramp was created and associated. Those overall models were and will be used for basic hydrographics diversification and for 3D visualisation of other thematic layers, and risk maps.



**Administrative units** – three levels of basic administrative units (region, district and municipality<sup>3</sup>) were defined for all partner Countries and downloaded into future data base. All units were transformed into common cartographic datum. This data

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<sup>3</sup> The names of units differ from country to country depending on its administrative system.

was downloaded from public, i.e. Internet sources. In the next period it is necessary to update collected information and add local attributes. The connection with census database will be done as well. The three administrative levels will be used as equivalent of NUTS<sup>4</sup> units.



**Basic data gathering** – The Electronic Regional Risk Atlas will contain two main parts of information – the base map layers, and specific Risk Assessment layers (hazard maps, risk maps, vulnerability etc.). There is dependence between those two parts. For evaluation of Risk Assessment layers base layers are needed, such as digital elevation model, boundaries of settlements and communities, road network, river network, infrastructures, critical facilities (schools, hospitals, etc.), resource layers (fire stations, hydrants, sand sacks, etc.) During the Development phase the ToR for basic data gathering for collection of necessary and available layers was created. The rest of the necessary layers (not available yet) will be created in the Implementation phase during hazard and risk mapping. The following basic layers necessary for the Development phase were identified:

- Administrative units
- Settlements with basic statistical information about population structure
- Transportation layer (road, railway networks)
- Digital elevation model (with higher accuracy than SRTM)
- River network
- Inland waters (lakes and reservoirs)
- Drainage networks
- Soil type layer
- Geology type layer
- Landcover / landuse layer
- Historical records of disasters per type

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<sup>4</sup> Nomenclature of Units for Territorial Statistics (NUTS) is a geocode standard for referencing the subdivisions of countries for statistical purposes. The standard is developed and regulated by the European Union, and thus only covers the member states of the EU in detail. The Nomenclature of Territorial Units for Statistics is instrumental in European Union's Structural Fund delivery mechanisms.



- Civil protection prevention/preparedness and response assets (if exist)
- Critical facilities with high vulnerability to disasters (schools, hospitals, etc.)
- Main industrial facilities (plants, HPPs, mining sites, tailings, etc)
- Natural Risk Zones (seismic risk zones, landslides, mudflows, etc)

During the reporting period the first contract with “Geoinfo” Scientific-applied Center LLC” from Armenia was signed and the EC Programme Manager’s approval for similar contracts with companies from Ukraine and Georgia was obtained. The work on evaluation of companies for basic data gathering for Azerbaijan, Belarus and Moldova is going on. All of gathered data will be transformed into common geodetic datum.

Establishment of the metainformation system - For more successful evaluation of the Programme outputs, it is necessary to create metainformation system, which is essentially a system for storing the data about other data. Also known as metalanguage, metadata can be used in any sort of media to describe the contents of the information. The idea behind metalanguage is to provide documentation or information about a specific piece of data. In metadata required information about presented map layers is stored – for example the accuracy, owner, and used methods. Without this information is not possible to use any layers in civil protection operation, because if accuracy of information is not known it is not possible to use it. The metainformation system was also the first step in implementation of the INSPIRE<sup>5</sup> legislation in the EU countries. One of the crucial issues in using GIS technology in ENPI countries, of course also in risk assessment, is chaos in knowledge what kind of information is available and where it can be found. The metainformation system is a tool to make it clear. Using the INSPIRE compatible system will also bring the Partner Countries closer to the EU, which is also one of the goals of the PPRD East Programme. The general functionality of the tool will be:

- Web access tool for collecting the metainformation
- Searchable capabilities
- Publication of the info in the INSPIRE compliant form
- Multilanguage system
- Web-based collection, validation and publication of metadata according to ISO and INSPIRE standards

The German company “Con terra” specialising in compiling of metainformation systems was selected for this job based on technical evaluation. The system will be put into operation in first quarter of 2012. The system will be available in English and Russian, but will have capability to add all languages used in ENPI Countries. The system can be used as basic metainformation system for whole EU supported

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<sup>5</sup> INSPIRE (Infrastructure for Spatial Information in the European Community) Directive establishes an infrastructure for spatial information in Europe to support Community environmental policies, and policies or activities which may have an impact on the environment. See also <http://inspire.jrc.ec.europa.eu/>

projects in the region, and also for these countries as basic stone for establishing the SDI (Spatial Data Infrastructure).

### **Conceptual Design for the ERRA System - Preparing of ERRA skeleton structure**

One of the main outputs of the PPRD East Programme will be the Electronic Regional Risk Atlas (ERRA). The ERRA will be a complex tool, which will cover needs of stakeholders and improve, first and foremost, the civil protection capacities of the Partner Countries. Creating of such a tool is based on a life cycle of creating information systems. First steps are collecting the needs of future users, then creating the base system – prototype (skeleton). The prototype will be presented to the stakeholders, who will express their comments and experiences to define the other part of the system and also to redefine the look of skeleton user interfaces.

Based on information collected during the Inception phase, and partly during the Development phase, the technical part of Terms of Reference for developing of the skeleton for the ERRA system, which will cover the web map interface, background database and system layer, was written. The skeleton will be a core stone for next development and implementation of ERRA system. This part of system will also give a possibility to present more clearly the final system and to use the available data in the training events of the PPRD East Programme.

The system will be fully OpenGIS compliant and also INSPIRE compliant. The basic functionalities will be:

- a. Public user functionality:
  - Zoom/pan
  - Switch on/off layers in legend
  - Search by attributes for selected layer/ feature
  - Print
  - Public background images available
  - Google maps
  - Open street maps
  - Other as defined by administrator
  
- b. Authenticated – all as public user plus:
  - Multi-level legend tree
  - Personalized home page
  - Save last legend setup
  - Save last view extend
  - Add public wms/wfs sources to the legend – only visible for him/her
  - Attribute query with table and graphic outputs
  - “Spatial” query like selection, or intersection, buffer zones
  - Print / export map composition to pdf/jpg
  - Adding/modify features to existing layer
  - Send request to create a new layer
  - Table view on attribute data for feature – export/import from clipboard

- Uploading and attachment of documents/images to features
- Red - lining with export

### **Analysis of Existing Hazard and Risk Assessment Policies and/or Strategies in the Partner Countries**

**Starting the works on establishing Regional Risk Assessment policy** – Implementation of tasks A1.2 and A1.3 is currently underway. The Key Expert conducts desk based research of both existing risk assessment and mapping guidelines (Western Europe, PPRD South and others) and methods and policies, but it has been delayed due to both the formulation, design and dispatch of the web based Questionnaires and then the submission of responses which had a deadline of the 31<sup>st</sup> October 2011. Only 27 responses were submitted to the portal from all six countries, which have been analysed in depth and presented in the form of an interim report. Key respondent stakeholders have been identified for each country (except Georgia) and further more detailed information is required in order to further develop the analysis. This is to be progressed by using the Ukraine as a ‘pilot’ country for the first round of country visits and have ‘face to face’ meetings with key organisations and individuals to examine the type, range and aspirations of both hazard and risk assessment policy and also an over-arching regional policy. This visit will take place at the end of January 2012.

**Identifying the main requests in countries in ERRA/Risk Assessment** – based on the Inception report together with work done through reporting period the basic requests of the stakeholders were identified. The further selection included the most common requests or such ones that can be implemented in other countries to improve Civil protection Prevention, Preparedness and Response:

**Armenia** – Common work with UNDP to establish National Disaster Observatory (NDO) in order to have the same data model and common system was done. The common strategy was created. The NDO will be fully integrated with ERRA system. All UNDP steps during establishing NDO were and are consulted with PPRD East.

**Azerbaijan** – The system used in Civil protection in Azerbaijan is very well operated, but only for limited users. For this reason it is not possible to use it for prevention, but only for preparedness and response. Beside that, there is request to develop and use 3D hydrodynamic model for critical municipalities. At the moment this technology is not used in the country.

**Belarus** – The system used in civil protection in Belarus is fully 2D, there is a need to improve existing system into 3D. Similar to Azerbaijan the portal for wider users is missing because of security reasons.

**Georgia** – Common work with NGOs (Association Rural Development for Future Georgia (RDFG) and iMMAP<sup>6</sup>) working with OASIS project in Georgia was agreed. The OASIS system will be used as decision support system for operational crises

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<sup>6</sup> [www.immap.org](http://www.immap.org)

management. The ERRA will be used as data source and system for publishing selected information from OASIS.

**Moldova** – Common work with UNDP to establish National Disaster Observatory in order to have the same data model and common system. The common strategy was created. The NDO will be fully integrated with ERRA system. There is a need to cooperate also with World Bank’s project – establishing the Crises Management Centre in the Civil Protection and Emergency Situations Service (CPESS) to avoid duplications and to integrate the systems. The Moldavian Hydro-meteorological service possesses a huge database about critical water levels in hundreds of hydrologic profiles. Unfortunately the database is in paper form. The database is crucial for better flood risk management in Moldova. Also there is a need and a request for data exchange between Moldova and Ukraine mainly about hydrologic situation on rivers – Dniester, Dnepr and Prut.

**Ukraine** - The main database necessary for the risk assessment is called “Risk Passports”. This information is stored in MS Word files and updated during 3-year cycle. The tables include spatial information in the form of address or name of municipality. There is high interest about transferring this information into web based database system with connection to the map. The ERRA can be used for this purpose. There is also a database – the evidence of emergencies which is already web based, but without GIS presentation.

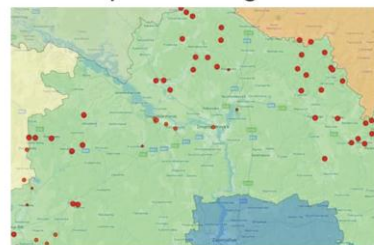
**Establishing long term cooperation with the universities** – during the reporting period cooperation with universities in Ukraine and Moldova was established. Based on different requests from stakeholders there was a need to find other capacities for solving them, if they were not directly under regional scope of project.

One of the examples is “Risk Passports”, which are the excellent knowledge base, but do not suit for the ERRA as they are in MS Word file format. Two students from the Institute of Ecological Safety of the National Aviation University during their professional practical training in the Ministry of Emergency Situations under supervision of the PPRD East GIS expert successfully transferred data from the “Risk Passports” of two administrative units (oblasts) from MS Word files into desktop GIS.

Risk Passport - Dangerous buildings



Risk Passport - Dangerous Objects





Another six students from the same University are now working on the diploma project with topics related with PPRD East Programme supervised by the PPRD East expert:

- The impact of landuse changes on landslide generation
- Creating of Land Use maps from public available satellite images
- Testing of implementation of EU Flood directive in ENPI countries
- Developing of data model for “Risk Passport” in line with INSPIRE data specification.

Results of their work shall be implemented in compiling the ERRA.

Due to the lack of GIS experts in Moldova, the the PPRD East team looked at the possibility of cooperation with universities in this country. During mission in Moldova first meetings was held with Tiraspol State University, Faculty of Geography, Chisinau, Republic of Moldova. The University has established a GIS laboratory (TEMPUS project). There is a big interest in cooperation mainly in flood risk mapping.

### Constraints

Main constraints during the reporting period were related to the untimely responses to the questionnaires from the Partner Countries. They explained delays by big workload at the beneficiary organisations and relatively low motivation of other stakeholders, who do not yet see benefits of the ERRA for their work.

One of constraints affecting consistency of the work in this Activity Area is massive existence of “Risk Assessment studies” in the Partner Countries, which do not have common concept and are based only on expert’s assessment in the field. It is almost impossible to compare these outputs, maps, databases with each other. Unfortunately they are usually accepted by scientific and academic community in the country and it will be hard to introduce risk assessment methodology and maps based on the EU guidelines.

In Belarus and Azerbaijan it is very hard to work in GIS field, because most of data are marked as Secret and/or GIS is not used.

Based on communication during the reporting period the PPRD East team also expects a hard discussion in the Partner Countries regarding open publication of the data because of different degree of their confidentiality. Data exchange between the countries on later stages might appear also very problematic because of their reluctance to share information.

## ***Civil Protection Capacity Building Programme***

### Main achievements

#### **European Civil Protection Mechanism Infodays**

Main focus of work in this Activity Area during the reporting period was set on making the maximum number of stakeholders aware of the EU Civil Protection Mechanism, because bringing the Partner Countries closer to the Mechanism is one of the purposes of the PPRD East Programme and should be considered not as a separate Activity Area, but rather as a cross-cutting topic in all Activity Areas.

Having this in mind, in order to introduce the EU Civil Protection Mechanism to a substantial number of officials in each Partner Country and to clearly show the link between the Programme and the Mechanism, the Project Team arranged the EU Civil Protection Mechanism Information days in five Partner Countries<sup>7</sup>. It allowed to disseminate knowledge and raise awareness about the Mechanism to a considerable number of disaster managers, including decision makers and first responders, and officials working in adjacent fields, e.g. border guard, customs, environmental and health agencies etc. In every country the Infoday was attended by at least 30 officials from the main beneficiary and different stakeholders.

The Infodays facilitated by Russian-speaking EU Civil Protection trained experts from Latvia and Lithuania were conducted as a good mixture of lectures and practical work, where participants had to find solutions in situations requiring request for and reception of international assistance through the EU Civil Protection Mechanism. In countries that have already had experience of using the EU Civil Protection Mechanism, such as Georgia and Moldova, special attention was given to lessons learnt from those operations.

At the end of the Infodays the participants were explained how the PPRD East Programme was going to practically “bring countries closer to the EU Civil Protection Mechanism”. The PPRD East team leader described the plans for the Development and further phases and explained what kind of participation and involvement is expected from a Partner Country.

#### **Start of the Exercise Programme**

Another significant step in this Activity Area was a start of an ambitious exercise programme. In order to share experience in exercise planning and create common understanding between disaster managers from Partner Countries about goals, methods, methodology of planning, conduction and evaluation of table-top and field exercises a seminar on exercise planning, conduction and evaluation methodology was organized in Kiev.

At the seminar representatives from all six Partner Countries got an opportunity to present their national exercise systems and to discuss their strengths and weaknesses. Facilitators from Estonia and Ukraine (most of them with experience of participation in the EU exercises) introduced and explained in detail main

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<sup>7</sup> The EU Civil Protection Mechanism Information day in Ukraine will be held in January 2012.

components of table-top and field exercise based on EU practice. Along with lectures participants were offered an opportunity to share their knowledge and seek for common solutions at group work, e.g. creating document templates and evaluation criteria for the future exercises. As a main output, a concept of further table-top exercises within the Programme was developed at the seminar.

The seminar was followed by the Initial Planning Conference of all four table-top exercises (TTX) in the framework of the PPRD East Programme. At the conference participants agreed on pairs of Partner Countries participating in each TTX, venues, deadlines of planning process, logistics, technical support, elaborated outlines of scenarios. The whole planning process was based on the exercise concept developed at the seminar prior to the conference, thus ensuring common understanding of methodology and terminology used for the future exercise programme.

### PPRD East Exercise calendar

	2011	2012			2013							2014	
	Dec	Sep	Nov	Dec	Feb	Mar	May	May	Sep	Oct	Nov	Feb	Jun
Dates <sup>1</sup>	8-9	18-19	26-30	3-7	18-22	18-22	20-24	24-25	9-13		4-8		
	IPC TTX	MPC TTX-1	TTX-1	MPC TTX-2	TTX-2	MPC TTX-3	TTX-3	IPC FEX	MPC TTX-4	MPC FEX	TTX-4	FPC FEX	FEX
Participants													
Venue													
Scenario			forest fires		earth-quake, flooding, landslides		techno-genic disaster				floods, landslides, oil spill into river		

<sup>1</sup> Tentative dates agreed by the participants of the Initial Planning Conference in Kyiv, 8-9 December

Abbreviations:

- FEX – Field Exercise
- FPC – Final Planning Conference
- IPC – Initial Planning Conference
- MPC – Main Planning Conference
- TTX – Table Top Exercise

### Launch of the Exchange of Experts Programme

According to the work plan, guidelines, request form and evaluation form of the Exchange of Experts (EoE) programme were prepared in English and Russian, uploaded on the PPRD East website and disseminated to Partner Countries through the National Programme Coordinators. The Exchange of Experts programme will allow the Partner Countries' civil protection experts to get familiar with and pass their knowledge to civil protection authorities of another Partner Country or the EU

country. This form of cooperation is demand-driven, meaning that the Partner Countries are encouraged to request an expert visit or to invite an expert on the issue of their interest. The exchange will be provided by the EU Member States or the other Partner Countries and facilitated by the PPRD East Programme. The EoE programme was introduced, among other PPRD East working forms, to the participants of the EU Civil Protection Mechanism infodays and raised their high interest.

### **Planning of the Training Programme**

The first steps were made in planning of the Training Programme for International Responders (TPIR), which aim is to prepare experts from the Partner Countries to work with the EU CP Mechanism/MIC when requesting and providing assistance and, further, to work as national liaison officers during international relief operations. The TPIR will be realised in tight cooperation with a training centre from a Member State, which has experience in conducting courses of the EU training programme – thus ensuring high quality of the training and consistency with the EU CP training principles and methodology. During the reporting period main details of the TPIR were agreed upon with the Technical Consultant (DG ECHO). Preliminary negotiations were held with the training centre ready to organise the TPIR courses.

### **Participation in the workshop of the UNECE Hazard and Crisis Management Project**

In July and December 2011, 5 specialists from Belarusian Ministry of Emergency Situations and Ministry of Environment Protection took part in the Hazard Management Workshop and Crisis Management Workshop of the UNECE Danube Delta Project run by Ukraine, Moldova and Romania.

The immediate objectives of these workshops were to discuss and compare national procedures for emergency preparedness and response; to identify deficiencies with use of the indicators and criteria set in the Convention on the Transboundary Effects of Industrial Accidents and try to find ways for their overcoming; to review examples of good practice on systems for emergency preparedness and response; and to set a basis for elaboration of scenario for future exercises.

At the workshops, the experts from 4 countries – Ukraine, Moldova, Romania, and Belarus shared information on national legal basis for adequate preparedness and response to the industrial accidents in their countries, especially with regard to transboundary cooperation. The participants highlighted similarities and differences in emergency preparedness to the accidents at hazardous industrial sites by the national authorities and enterprises. Special attention was be paid to gap analysis with regard to the legal basis and emergency preparedness. Issues of emergency response by national civil protection systems and installation owners/operators were also a subject of joint discussion.

Participation of the Belarussian specialists became possible as a result of tight cooperation with the Secretariat of the Convention on the Transboundary Effects of Industrial Accidents (UNECE).



### Constraints

No major constraints observed, the Partner Countries actively participated in the events of this Activity Area.

### ***Institutional and Regulatory Strengthening (including Activities in support of requests for assistance to Government Environmental Emergency Projects (GEEP))***

#### Main achievements

##### **Initial Analysis of the Civil Protection Capacities**

During the reporting period an Initial Analysis of the Civil Protection capacities of the Partner Countries was performed. The main objective of the analysis was to obtain baseline data on the Partner Countries, their Civil Protection capacities and interagency relations in the field of disaster management; to map and make the initial assessment of institutional structures and arrangements associated with each Partner Country's Civil Protection framework; to identify key organisations involved in each country's Civil Protection framework and to describe their roles; to identify inter-relationships and the organisational hierarchies of Civil Protection systems; to make initial assessment of the trans-boundary bilateral and multilateral agreements and provision of international assistance during disasters including Host Nation Support. The Technical Working Paper containing the analysis gives a good overview of the abovementioned topics country by country and concludes on main common development tendencies and issues that need improvement. The analysis pinpoints the common issues that should be addressed in the framework of the PPRD East Programme.

##### **Government Environmental Emergency Projects (GEEP)**

During the inception missions four Partner Countries clearly indicated the need for concrete support in solving environmental emergency issues. Dealing with environmental emergencies comprises temporary measure for reducing risk to acceptable levels in order to gain time until a permanent solution can be implemented. Partner Countries shall investigate and analyze the national situation and prioritize identified environmental emergencies. Based on this they may request PPRD East Programme to assist in site inspection and assessment and confirmation of priority; design of temporary measures for necessary risk reducing; coordination of activities of various national institutions (if necessary); preparation of scope of work, cost estimates, tender documents and attract funding; assistance in tendering of works (if necessary); assistance to the Partner Country in outline of permanent solutions; dissemination of information and lessons learned with the means of the PPRD East Public Awareness programme.

The first activities in support of requests for assistance to Government Environmental Emergency Projects (GEEP) have been tested in the Kalush emergency case in Ukraine. The 2 events – a Round Table «Problems of prevention of man-made and environmental transboundary emergency situation due to the negative changes of environment in Kalush industrial and living agglomeration» and its follow-up –

have been co-organized by the PPRD East team and have been a major help to revive the process of establishment a proper road map for solving te Kalush problem. At present the different task forces have been installed and are working. Further the initiative has generated interest to support technically as well as financially future activities in Kalush.

### Constraints

The activities of the GEEP have been strictly limited to the organization of the two events and the limited technical support. So far this has limited further engagement within the scope of the PPRD East Programme. As the GEEP assistance is the first of its kind in the project, a proposal “Capacity Building and Training on the Job and Learning Example for other PPRD-East Countries” will be worked out and submitted for approval for Kalush describing technical activities and the financial framework based upon the present experiences made in the project. Such proposal, if approved will also define the proposed strategy for the next GEEP planned in 2012 Alaverdi in Armenia.

### ***Raising Awareness on Civil Protection, Disaster Management and Disaster Risk Reduction Issues***

Work in this Activity Area during the reporting period was mainly devoted to the development of common approach to the preparation of the prevention-aimed regional communications strategy.

#### **Establishment of regional communication workgroup**

The main goal of the first PPRD East communication workshop, which was held on 8-9 November 2011 in Tbilisi (Georgia), was to discuss and develop common approach within 18 participants - specialists of press-services of Emergency Service Authorities, journalists of national media and experts in communication with the public from all Partner Countries – to the goals and methods of the prevention-aimed regional communication strategy.

In their presentations participants gave a review of the situation with public awareness in the field of civil protection in each of the Partner Countries. The survey was summed up and discussed at the focus group session, laying the ground for development of the commonly agreed communication strategy. During a roundtable discussion, participants suggested subjects of information campaigns and possible models in order to upgrade people’s access to knowledge about Civil Protection and skills of safe behaviour in Partner Countries.

The workshop participants will further work as regional working group on information and communications. They discussed prospects of activity within a framework of future regional communication strategy and proposals on future action items in communication plan for 2012-2014.

The next workshop will take place in February 2012 and will focus on developing the regional communication strategy and an action plan for its implementation.

#### **PPRD East Programme web-page**

PPRD East Programme web-page [www.euroeastcp.eu](http://www.euroeastcp.eu) was developed and launched in October 2011. English version of the web-page is regularly updated. Due to *force majeure* problems with the site developer and provider, the Programme's web-page had to be moved to a new hosting, which is due to complete in January 2012.

A "PPRD East Group"<sup>8</sup> is open in Facebook uniting at the moment ca 30 members from different countries. It is used for informal communication and exchange of information.

### **Programme visibility**

English versions of the PPRD East Programme leaflet and Newsletter#1 were released and disseminated to the Partner Countries, EU Delegations, Member States and other partners. Also they were distributed at the Programme events. Translation of these publications into Russian is underway.

English and Russian versions of the PPRD East banner, which can be used at the event for introducing the Programme, have been published and displayed at the venue of the seminar for exercise planning methodology and initial planning conference for the table top exercises.

### **Participation in other organisations' events**

The EU Council Presidency workshop "An integrated approach to more effective crisis communication" was convened in Warsaw in July 2011. It was organised to review the recent developments in this field and provided a platform for about 70 representatives of more than 15 European Member States, the European Commission and UN OCHA (United Nations Office for Coordination of Humanitarian Affairs) to present and discuss the current status of crisis communication and the next steps to be taken to improve the overall operational effectiveness in disaster response.

Communication expert of the PPRD East Programme got an opportunity to take part in the EU Presidency workshop on Crisis Communication. Conclusions reached by the participants of the workshop "An integrated approach to more effective crisis communication" will constitute a valuable contribution to preparation of the PPRD East's communication strategy and a communication plan for 2012-2014.

The International NATO PFP Exercise CODRII 2011 (Moldova) was an emergency management field exercise organized by the Euro-Atlantic Disaster Response Coordination Centre (EADRCC) in cooperation with the Civil Protection and Emergency Situations Service of the Ministry of Internal Affairs of the Republic of Moldova and was held from 27 August to 2 September 2011 in the vicinity of the capital city Chisinau.

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<http://www.facebook.com/reqs.php?type=1&fcode=9854bbf0e&f=1650346504#!/groups/248766558513038/>

Communication expert of the PPRD East Programme participated in the Exercise CODRII 2011 as an observer. After making himself familiar with the exercise goals and set-up he discussed with the EADRCC officials involvement of the PPRD East communication component into the further NATO PFP exercises.

The most interesting scenes and events during the NATO PFP Exercise CODRII 2011 are reflected in the photo album and photo-roll, which posted in the Media section of the PPRD East Programme website and Youtube.

### **3.3. Deviations from initial planning**

All activities planned for the first half of the Development phase were implemented as planned, with the exception of the Activity „Detailed Analysis of Existing Regulatory Framework“ (C1.2).

The expert for this job selected by the PPRD East team leader was not approved by the Project Director. At the moment of submission of this report, the selection of another expert(s) was in progress. The activity is rescheduled for the second half of the Development phase and should be completed (together with all other activities planned under this section) before the end of the Development phase.

## **4 PROJECT PLANNING**

### **4.1. Project Approach**

No major changes are proposed in the project approach foreseen in the contract and in the Inception Report.

### **4.2. Planning for the next reporting period**

A plan of operations for the next reporting period (January – June 2012), is given in Annex 3. In order to illustrate dynamics the activities implemented during the first half of the Development phase are given in different colour. The main focus of activities over the next reporting period will be:

- on data collection and analysis for the ERRA,
- on tendering and starting the development of the ERRA core system – ERRA skeleton,
- on elaboration of the public awareness strategy and the action plan for its implementation,
- on the regulatory framework analysis, and
- on the development of the detailed training programmes.

At the same time further information sharing and training events are planned to be carried out, such as "EU CP Mechanism information day" in Ukraine, Seveso II study tour and workshop, seminar on elaboration of the prevention-aimed public awareness strategy and the action plan for its implementation, study tour and workshop on best practices of prevention-aimed public communication. When combined with analysis of the regulatory and institutional framework and relevant

recommendations, it is envisaged that these activities will enable a smooth transition to the Implementation Phase.

More precise activities by Activity Areas are listed below.

*Activity Area A: Development of the Electronic Regional Risk Atlas (ERRA)*

A1.2 Analysis of Existing Hazard/Risk Assessment Policies

- Collection and analysis of existing information, drafting and submission of the Technical Working paper "Analysis of Existing Hazard/Risk Assessment Policies"

A1.3 Development of the Regional Hazard/Risk Assessment Policy

- Preparing the Regional Hazard/Risk Assessment Policy based on the EU Risk Assessment Guidelines
- Subregional workshops on ways and means of implementation of the Regional Hazard/Risk Assessment Policy

A2.1 Review of Existing Management Information/GIS Systems

- Collection and analysis of existing information, drafting and submission of the Technical Working paper "Review of Existing Information Systems"

A2.2 Needs Analysis for the Electronic Regional Risk Atlas

- Collection and analysis of existing information, drafting and submission of the Technical Working paper "Needs Analysis for the Electronic Regional Risk Atlas"

A2.2.1 Analysis of existing maps and data

- Collection and analysis of existing information, preparing a web catalogue service – metainformation system for existing data in the Region; drafting and submission of the Technical Working paper "Review of Existing Maps and Related Data"
- Acquiring and basic transformation of the GIS layers for the Region

A2.2.2 Analysis of technological possibilities in countries

- Collection and analysis of existing information, drafting and submission of the Technical Working paper "Review of Existing Technological Possibilities"

A2.3 Conceptual Design for the ERRA System

- Conceptual model will be specified in Terms Of Reference for ERRA core system development

A2.5 Development of ERRA Core system (Skeleton)

- Tendering and starting with ERRA core system development (ERRA skeleton)

*Activity Area B: Civil Protection Capacity Building Programme*

B1.2 Training Needs Analysis

- "EU CP Mechanism information day" in Ukraine

B1.3 Development of Training Programme

- Development of the Training Programme for International Responders (TPIR)

- Development of the framework and agenda for the training workshops on specific disaster types
- Compilation of study materials for GIS/ERRA training

#### B2.1 Implementation of Training Programme

- Seveso II study tour and workshop
- Implementation of the Exchange of Experts programme (demand-driven)

#### *Activity Area C: Institutional and Regulatory Strengthening*

##### C1.2 Detailed Analysis of Existing Regulatory Framework

- Detailed Analysis of Existing Regulatory Framework
- Regional workshop on the regulatory framework
- Finalization of the list of recommendations based on the results of the regional workshop
- Submission of the Technical Working Paper "Detailed Analysis of Existing Legislative Frameworks"

##### C1.3 Recommendations for Strengthening Regulatory Framework

- Participation of Partner Countries' representatives in the Civil Protection Forum in Brussels

#### *Activity Area D: Raising Awareness on Civil Protection, Disaster Management and Disaster Risk Reduction Issues*

##### D2.1 Awareness Raising Survey

- Developing of the massmedia data base catalogue

##### D2.2 Develop Communication/Awareness Raising Strategy

- Workshop on development of the prevention-aimed regional communication strategy and the action plan for its implementation
- Issuing of the further regular bilingual Programme newsletters
- Study tour and workshop on best practices of prevention work

#### *Activity Area E: Project Management*

##### E2.2 Progress Reporting

- Progress Report No 2 (Jan-Jun 2012)
- Steering Committee meeting No 2
- National Programme Coordinators meeting No 2

The main bulk of the Development Phase activities are planned to be carried out on regional level, i. e. with participation of all six Partner Countries. If the format of the activity does not envisage participation on regional level, its results will be shared to all Partner Countries, in particular, by means of the Programme's webportal.

### **4.3. Deviations from the previously approved plans**

#### Table Top Exercise-1

At the Initial Planning Conference for the Table Top Exercises (TTX) the participants from Ukraine, Azerbaijan and Georgia stated that there was no possibility for them to participate in the Table Top Exercise in May-June 2012 as it had been planned initially because of major events involving huge human resources and other capacities: the European Football Championship in Ukraine, the Eurovision Song Contest in Azerbaijan, and the NATO Partnership for Peace (PfP) exercise in Georgia.

Having in mind that Ukraine and Georgia are key participants of the TTX programme – as each of these countries have two exercises with the neighbours – it was decided to start the TTX programme in autumn 2012. The Main Planning Conference for the TTX-1 will be held in September, and the TTX-1 in November (between Belarus and Ukraine). It means that the whole TTX cycle will lay within the Implementation phase (see also tentative exercise calendar on p. 23).

#### Analysis of the Regulatory Framework

As explained in p.3.3, all activities of the sections C1.2 and C1.3 (Detailed Analysis of Existing Regulatory Framework; Regional workshop on regulatory framework; Finalization of the list of recommendations based on the results of the regional workshop; Development of the preliminary list of recommendations on the improvement of the institutional frameworks of the Partner Countries) will be implemented during the second half of the Development phase.

#### **4.4. Relations/Coordination with other activities/projects**

##### ***UNDP***

In several countries (Armenia, Moldova, Georgia, Ukraine) UNDP has either started, or is continuing, or planning to launch Disaster Risk Reduction projects aimed at promoting the implementation of the Hyogo Framework for Action 2005-2015 and a proactive and preventive approach to risk management at the national level.

On meetings with UNDP representatives both parties expressed their wish to seek synergy and cooperation in the field of their mandates and to pursue common general objectives of improving the disaster management capacities of the Partner Countries.

Forms and ways of such cooperation will be agreed separately, but generally they will include cooperation in:

- developing and introduction of risk assessment methodology;
- risk mapping and use of GIS systems;
- preparation and conduction of public awareness campaigns;
- joint trainings;
- joint public events;
- participation in establishing and promoting the National Platform for Disaster Risk Reduction; and
- participation in establishing of National Disaster Observatories.

The first steps of cooperation were made in Armenia and Moldova, where common data model for GIS layers used in the UNDP National Disaster Observatories (NDO)

were agreed upon. The data from NDO will be also implemented in ERRA. Georgia and Ukraine will be the next countries to seek for synergies with.

The UNDP representatives were invited and participated in the European Civil Protection Mechanism Infodays (in Armenia, Azerbaijan, Moldova, Georgia) and in the Round Table for Kalush.

### ***UNECE Danube Delta Project***

In May 2011 the Secretariat of the UNECE Convention on the Transboundary Effects of Industrial Accidents launched a project on hazard and crisis management in the Danube Delta. The main goal of this project is to improve the cooperation between the Republic of Moldova, Ukraine and Romania in the Danube Delta region through enhancing and where possible harmonizing the mechanisms and approaches for efficient and effective hazard and crisis management. Furthermore, the building of understanding between authorities and industrial operators and the strengthening of their cooperation should improve. As two of the three target countries belong to the Eastern Partnership, the Project Team contacted the Secretariat with a proposal to open certain relevant events of their project to Belarusian specialists.

The UNECE Secretariat together with the Danube Delta Project Team endorsed this proposal, and that enabled five Belarusian specialists (from Ministry of Emergencies and Ministry of Environment) to participate in two workshops in the framework of the UNECE project.

So far, the experience of cooperation with UNECE has brought positive results and therefore a joint organisation of similar project on SEVESO II industrial site inspections in the Caucasus for the three countries of this subregion will be discussed in the beginning of 2012.

### ***NATO Partnership for Peace (PfP) exercises***

Every year the NATO Euro-Atlantic Disaster Response Coordination Centre (EADRCC) conducts a full-scale international exercise in order to test coordination procedures at staff level and in the field, as well as the ability of the NATO PfP countries to render and receive international assistance.

The latest of such exercises “Codrii 2011” took place in late August – early September 2011 in Moldova. Although planning for the exercise had begun prior to the Programme start-up, it was agreed with Moldavian colleagues that the PPRD East communication expert would participate in the exercise programme with the aim of becoming more familiar with work with the media during full-scale exercises and in particular working with PR issues of the teams from Partner Countries participating in the exercise. During the exercise the PPRD East communication expert established good working relations with the EADRCC officials and preliminarily agreed on further cooperation.



In 2012, a NATO PfP full-scale exercise will be organised in Georgia. Pending necessary approvals, there is a preliminary agreement with the responsible Georgian authorities (Emergency management Department of the Ministry of Interior) that the PPRD East Programme would be invited into the planning and conducting process. Most likely the PPRD east participation will include use of public awareness strategy elements, however more specific details will be agreed upon separately.

***Twinning project “Support the Emergency Management Department in development of emergency services in Georgia”***

The EU has initiated a twinning project in Georgia with an overall objective to improve the safety of the population and environment in emergency situations in Georgia and the purpose of improving civil protection management services of the Emergency Management Department of the Ministry of Internal Affairs.

During the first half of the Development phase the tender was completed, and the implementation partner (French Civil Protection) was selected.

Having studied the Twinning Fiche and the draft contract, the PPRD East team concluded that aims of the Twinning project more or less match those of the PPRD East Programme. Although the twinning Fiche states that “The EaP PPRD initiative and the proposed Twinning project will supplement each other: the Twinning project will mainly concentrate on building EMD capacities and coordination role in Georgia, while the activities under the initiative are expected to emphasize the regional cooperation dimension”, the PPRD East team sees a big and unfavourable chance of duplication of very similar activities, which can only lead to confusing the Georgian authorities, because both projects will be implemented under EU umbrella.

In order to avoid duplication, it was agreed by the EU Delegation in Georgia and the PPRD East team that a coordination meeting with the participation of the EU Delegation, the main beneficiary – the Emergency Management Department of the Ministry of Internal Affairs, the Twinning implementation partner, and the PPRD east team would be held most likely in the first quarter of 2012, but not later than the effective start of the Twinning project.

***Cooperation with National Aviation University in Kyiv***

In the risk mapping component of the PPRD East programme the fruitful cooperation with the Institute of Ecological Safety of the National Aviation University in Kyiv has started. It is focused on involvement of the students into the Civil Protection risk mapping activities during their professional practical training at the Ministry of Emergency Situations (MoES). Two students successfully transformed the MS Word files (“Risk Passports”) into the database. After adding the spatial attributes into objects, the first digital maps (of Dnepropetrovsk and Odessa regions) for the MoES and for ERRA were created. Six other students started work on their diploma projects on topics related to the PPRD East programme.

## 5 IMPLEMENTATION OF COMMUNICATION STRATEGY

### *Overall communication objectives*

The main objective of the prevention-aimed regional communication strategy is to raise public awareness and to promote the exchange of information among the PPRD East Programme stakeholders in the Partner Countries.

At the regional workshop, that was held in November 2011 in Tbilisi (Georgia) to develop a common approach to the prevention-aimed regional communication strategy and to consolidate the results of the survey of the public awareness level on prevention, preparedness and response to emergency situations in the Partner Countries, 18 participants - press officers of the beneficiaries, experts in public relations, including also journalists of the national mass media - united into a regional working group for information and communications.

### *Prevention-aimed Regional Communication Strategy and Action Plan for its Implementation*

At the next regional workshop in February 2012 (presumably in Georgia; 12 participants: 2 representatives of each Partner Country), the working group will develop the Prevention-aimed Regional Communication Strategy and the Communication Plan of activities for 2012-2014 that will enable dissemination of current information about the PPRD East Programme activities among the largest possible audience. The main accent will be put on the prevention and risk reduction of man-made and natural disasters. Special emphasis will be put on advertisement of fire safety, imparting safe behavior skills since the young age and dissemination of information through social networks on the Internet.

The Regional Communication Strategy and the Communication Plan for 2012 – 2014 will require approval of the Steering Committee.

The Communication Plan for 2012 – 2014 will include:

- Communication seminars/trainings for PR specialists of the beneficiaries and journalists (at least 2 subregional events, possibly involving young authors from national schools of journalism);
- Helping in preparation and regional dissemination of educational materials (a booklet, approximately by 6 000 copies, and a brochure, approximately by 12 000 copies);
- Downloading materials to and regular updates of the web portal [www.euroeastcp.eu](http://www.euroeastcp.eu)
- Participation of the 6 PR specialists of the PPRD East Programme beneficiaries at the next NATO PfP exercise “Partnership for Peace” (Georgia, 2012) with the aim of acquiring the practice in cooperation with mass media under emergency situations;

- Press conferences, press clubs and round tables involving nongovernmental organizations and journalists (at least 6 events regionally) and aiming at the dissemination of the achievements of the PPRD East Programme as well as of information concerning prevention, preparedness and response to natural and man-made disasters in EU Countries, and emergency communications, including the EU Civil Protection Mechanism;
- Educational and informational production including video and multimedia focusing at the prevention of emergency situations, at public awareness raising, and training, especially for children. For example, a series of short, 2 min, animation clips about fire safety, showing life-saving techniques, for noncommercial distribution through local TV stations in every Partner Country and through Internet placement.

The awareness raising campaigns for target groups will be carried out in the context of the Communication Plan, in particular, for territorial communities in the disaster-prone zones that are to be defined as of priority attention in the subregion including Armenia, Georgia, and Azerbaijan and in the subregion including Belarus, Moldova, and Ukraine.

Cooperation will be established with the local mass media including local TV- and radio-stations, that typically enjoy public confidence as source of reliable information.

### ***Internet Presence***

The PPRD East Programme web-page [www.euroeastcp.eu](http://www.euroeastcp.eu) will function in English and Russian and will promote exchange of modern knowledge and dissemination of actual information, concerning activities of the PPRD East Programme and application of its results, among all the interested parties at both national and local levels in Partner Countries.

PPRD East Programme's presence will further expand in popular social networks. Opening of the "PPRD East Group" on Facebook was the first step in this direction.

The web based system of specifically developed questionnaires will be housed on the Programme web-site.

This mechanism will assist the PPRD East team in obtaining and assessment of the necessary information and enhancing their information base. The obtained information will be presented on the Programme web-site and will be accessible to all stakeholders and a wider audience.

For familiarization with EU Countries' experience in the field of public awareness raising on the Civil Protection issues, and for offering an opportunity to adapt such experience in the Partner Countries, a study tour will be organized in March-April 2012 in one of the EU Countries, where a workshop on studying the best practices of

emergency situations prevention will take place (12 participants: 2 from each country).

For the maximum effect of Programme achievements, its activities will be coordinated with the EU Delegations to Partner Countries to use the EU informational materials to the benefit of raising the target groups awareness in the issues of the Civil Protection.

Publishing and distribution of quarterly bilingual informational newsletters in English and Russian languages and press releases about the PPRD East Programme achievements will continue.

Use of EU logo:

- EU logo on quarterly newsletters
- EU logo on all Programme publications
- EU logo on press releases
- EU logo on the PPRD East banners

## 6 ANNEX 1. LIST OF EVENT REPORTS

The following Annex contains links to the Event Reports uploaded on the PPRD East web-page. Considering the environment the hard copies of the Event Reports will be attached only to the original of this Progress Report.

- [EU Civil Protection Mechanism Infoday in Armenia](#)
- [EU Civil Protection Mechanism Infoday in Azerbaijan](#)
- [EU Civil Protection Mechanism Infoday in Georgia](#)
- [EU Civil Protection Mechanism Infoday in Moldova](#)
- [EU Civil Protection Mechanism Infoday in Belarus](#)
- [Regional Seminar on the Exercise Planning, Conduction and Evaluation Methodology](#)
- [Initial Planning Conference for the Table Top Exercises](#)
- [1<sup>st</sup> Workshop of the UNECE Hazard and Crisis Management Project](#)
- [2<sup>nd</sup> Workshop of the UNECE Hazard and Crisis Management Project](#)
- [Round Table «Problems of prevention of man-made and environmental transboundary emergency situation due to the negative changes of environment in Kalush industrial and living agglomeration»](#)
- [Follow-up on Kalush Round Table](#)
- [Regional workshop on developing common approach to the public awareness raising strategy](#)

## 7 ANNEX 2. DEVELOPMENT PHASE OUTPUT PERFORMANCE PLAN

Project title: Prevention, Preparedness and Response to natural and man-made in the ENPI East Region (PPRD East)				Project number: 2010/247628	Project period: 2010-2014
Countries: Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine				Development Phase	June 2011 – June 2012
Activity areas	Activities	Outputs	Time Frame	Verifiable Indicators	Expected participation <sup>9</sup> and/or inputs from the Partner Countries
A1.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Analysis of Existing Hazard/Risk Assessment Policies”	Technical Working paper “Analysis of Existing Hazard/Risk Assessment Policies”	2 qtr 2012	Web catalogue with metainformation on existing projects, studies, formats	National Programme Coordinators (NPCs) – to ensure filling a questionnaire by the stakeholders in respective countries
A1.3	Preparing the Regional Hazard/Risk Assessment Policy based on the EU Risk Assessment Guidelines	Technical Working paper “Hazard/Risk Assessment Policy in the ENPI region”	2 qtr 2012	The regional policy is commented and validated by the Partner Countries	Comments on the Policy Draft; validation by the NPCs
	Subregional workshops on ways and means of implementation of the Regional Hazard/Risk Assessment Policy	Common understanding of implementation steps of the Policy	2 qtr 2012	The Policy is presented and discussed at the workshops with representation of all relevant stakeholders from the Partner Countries	Up to 10 risk management specialists per Partner Country representing whole range of the stakeholders; active participation in discussions

<sup>9</sup> Recommendations of participants’ functions are purely indicative; more precise requirements for functions of the specialists to be invited to specific events will be described in the invitation letters.

A2.1	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Review of Existing Information Systems”	Technical Working paper “Review of Existing Information Systems”	1 qtr 2012	The Project Team has receiving one of the base inputs for elaboration of the ERRA	Filling the questionnaire, providing of the required information, comments on the Technical Working paper
A2.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Needs Analysis for the Electronic Regional Risk Atlas”	Technical Working paper “Needs Analysis for the Electronic Regional Risk Atlas”	2 qtr 2011	Needs of the Partner Countries in terms of hazards/risks/information to be reflected in the ERRA are collected, analysed and sorted; basic tasks for development of the ERRA are formulated	Filling the questionnaire, providing of the required information, comments on the Technical Working paper
A2.2.1	Collection and analysis of existing information, preparing a web catalogue service – metainformation system for existing data in the Region; drafting and submission of the Technical Working paper “Review of Existing Maps and Related Data”	Web catalogue with metainformation system for existing data in the Region; Technical Working paper “Review of Existing Maps and Related Data”	3 qtr 2011 – 1 qtr 2012	Basic information and formats for start of development of the ERRA are received	Filling the questionnaire, providing of the required information, comments on the Technical Working paper
	Acquiring and basic transformation of the GIS layers for the Region	Necessary data acquired and processed into the format compatible with future risk assessment processes	3 qtr 2011 – 1 qtr 2012	Volumes and formats of the acquired data are sufficient to start developing the ERRA	Assistance in data acquisition

A2.2.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper "Review of Existing Technological Possibilities"	Technical Working paper "Review of Existing Technological Possibilities"	1 qtr 2012	Technological possibilities of the Partner Country necessary for development of the ERRA are identified	Filling the questionnaire, providing of the required information, comments on the Technical Working paper
A2.3	Conceptual Design for the ERRA System	Technical Working Paper "Conceptual Design & Specification for the ERRA"	1 qtr 2012	The conceptual model of the ERRA core system will be described in Tender documentation	Cooperation during technical specification of the ERRA core system
A2.5	Detailed Design and Development of the ERRA	Functional ERRA core system will be created	3 qtr 2012	The functional system will be established and basic data layers will be presented	National Programme Coordinators (NPC) – cooperation during development
B 1.2	"EU CP Mechanism information days"	EU CP Mechanism days performed in each Partner Country, initial knowledge about the EU CP Mechanism transferred	4 qtr 2011-1 qtr 2012	Representatives of the main beneficiaries and stakeholders are aware of the EU CP Mechanism activities and opportunities; 24/7 contact points for the Mechanism are appointed in each country	Representatives of the main beneficiaries and stakeholders in each country – ca 30 persons per country
B 1.3	Development of Training Programme	Agenda for Basic Training Courses for international responders developed and validated by the Technical Consultant (DG ECHO)	2 qtr 2012	Programme agreed by the Technical Consultant (DG ECHO)	NPC – to start identifying participants
	Compilation of study materials for GIS/ERRA training	GIS/ERRA training materials	1 – 2 qtr 2012	GIS/ERRA training materials developed, translated and ready for use	
B 2.1	Participation in the UNECE Danube Delta Project	Selected participants attended the Project events	2 qtr 2012	Participants acquired knowledge and information about preparedness and response to chemical accidents	Belarus – 5 mid-range specialists on chemical safety (Ministry of Emergency Situations, Ministry of Natural Resources and Environment)



	Seveso II study tour and workshop	Selected participants attended the events	1 qtr 2012	Participants acquired relevant knowledge and information and became familiar with Seveso II requirements	2 mid-/high-range specialists on chemical safety from each Partner Country
	Needs-Driven Exchange of Experts programme	Partner Countries have an opportunity to obtain each other's and Member States' experience regarding their specific needs and problems through the Exchange of Experts programme	1-2 qtr 2012	The programme is introduced to the Partner Countries, procedures for application are clear and well understood, the first applications are received and processed	The programme is needs driven and open to all countries
	Test-session between the national emergency contact points and the MIC	The communication channels between the national emergency contact points and the MIC are established and working	2 qtr 2012	All parties (6 emergency contact points and the MIC) receive and respond to the test emergency messages in online regime	Partner Countries – to ensure sending their contact information to MIC (via PPRD East team) and to prepare English-speaking personnel to participate in the test sessions
C 1.2	Detailed Analysis of Existing Regulatory Framework	Information collected and analysed with the assistance of local legal experts	2 qtr 2012	Document gives baseline information about existing regulatory framework	1 person from each Partner Country (legal adviser to the main beneficiary); providing relevant background information to the Programme expert
	Regional workshop on regulatory framework	Results of the detailed assessment of the regulatory frameworks presented and discussed	2 qtr 2012	Draft Technical Working Paper "Detailed Analysis of Existing Legislative Frameworks"	1-2 persons from each Partner Country (legal adviser to the main beneficiary); active discussion and proposals for recommendations
	Finalization of the list of recommendations based on the results of the regional workshop	Recommendations presented to the Partner Countries	2 qtr 2012	Technical Working Paper "Detailed Analysis of Existing Legislative Frameworks" submitted	1 person from each Partner Country (legal adviser to the main beneficiary); feedback

C 1.3	Development of the preliminary list of recommendations on the improvement of the institutional frameworks of the Partner Countries	Recommendations presented to the Partner Countries, their feedback is received	2 qtr 2012	Results and proposed recommendations presented to the Steering Committee	1 person from each Partner Country (legal adviser to the main beneficiary), NPCs; feedback on recommendations
	Participation of Partner Countries' representatives in the Civil Protection Forum in Brussels	High representatives of the Partner Countries attended the Civil Protection Forum	2 qtr 2012	PPRD East Programme presented at the Forum	1 high-range official (preferably Member of the Steering Committee) from each Partner Country; information materials of the civil protection system in a Partner Country and about its participation in the PPRD East Programme
C 2.3	Assistance to GEEP follow up in Kalush (Ukraine)	Implementation of the components of the Action Plan on "Capacity Building and Training on the Job and Learning Example for other PPRD-East Countries"	1 – 2 qtr 2012 periodically	Kalush Task Groups implement activities	Ukrainian Local and National Member of Task Groups from Ministry of Emergencies, Ministry of Environmental and Natural Resources and National Institutes
C 2.3	Assistance to GEEP start-up in Alaverdi (Armenia)	Action Plan on "Capacity Building and Training on the Job and Learning Example for other PPRD-East Countries" and its implementation conform Kalush approved approach	1-2 qtr 2012	Round Table on Alaverdi organised and action plan elaborated and agreed upon by the participants	Armenian National and Regional Specialists Ministry of Emergency Situations, Ministry of Nature Protection, Ministry of Transport
C 2.3	Preparatory GEEP Mission to Belarus	Feasibility of GEEP discussed, the hazardous site(s) selected and prioritized	1 -2 qtr 2012	Readiness to start with GEEP implementation	Belarusian Ministry for Emergency Situations and Ministry, Ministry of Natural Resources and Environmental Protection

D 2.1	Review of existing awareness raising activities	Initial document of the status-quo of awareness raising activities	3 qtr 2011	The documents provides general review of the awareness raising activities and serves as a starting point for further actions	Network of specialists working with awareness raising issues – at least 2 specialists per Partner Country; active providing of the relevant information to the Project Team
	Workshop on consolidation of review results and developing common approach to the communication strategy	An approach to the communication strategy is discussed and generally agreed by all Partner Countries; the aims, objectives and main ways and means of realisation of the strategy are set	4 qtr 2011	The final document of the workshop states common understanding of the future activities of this Activity Area; all Partner Countries are ready to contribute to realisation of the strategy	2 specialists working with awareness raising issues from each Partner Country; active participation in the workshop and in drafting of the communication strategy
	Developing of the mass media data base catalogue	Mass media database developed and stored	1 qtr 2012	The catalogue includes all potential PR partners, through whom the communication strategy will be realised	PR-specialists of the Partner Countries; inputs into the mass media database
	Inputs and updates of the webportal	Webportal is fully functional work tool for the Programme participants and information source for others	3 qtr 2011 – 2 qtr 2012	Information on the webportal <a href="http://www.euroeastcp.eu">www.euroeastcp.eu</a> duly updated	Network of specialists working with awareness raising issues; up-to-date information about activities in the field of civil protection and disaster management in each Partner Country
D 2.2	Workshop on elaboration of the regional communication strategy and action plan for its implementation	The prevention-aimed regional communication strategy is agreed upon and means and ways of its implementation (action plan= until the end of the 1 <sup>st</sup> phase of the Programme is drafted	1 qtr 2012	Commonly agreed strategy and action plan enable planning of national awareness raising strategies on the common basis; milestones and benchmarks of the action plan are set up until the end of the 1 <sup>st</sup> phase of the Programme	2 specialists working with awareness raising issues from each Partner Country; active participation in the workshop and in drafting of the action plan

	Issuing of the bilingual Programme newsletters	Bilingual quarterly newsletters informing about the Programme achievements	1– 2 qtr 2012	Adequate and updated information about the Programme progress	Network of specialists working with awareness raising issues; up-to-date information about activities in the field of civil protection and disaster management in each Partner Country
	Study tour and workshop on best practices of prevention work	Familiarisation with best practices of EU prevention activities; concept of communication materials aimed at prevention	2 qtr 2012	Development of the concept of the communication materials aimed at prevention to be issued in the framework of the Programme	2 specialists working with awareness raising and/or prevention issues from each Partner Country; active participation in the development of the concept of the communication materials aimed at prevention
	Participation at the NATO PfP exercise planning in Belarus 2012	Elaboration of a concept of work with media during the full scale exercise	1-2 qtr 2012	The Programme experts (key and local) are prepared for participation at the exercise	1 PR-specialist from each Partner Country; participation in the planning and conducting of the exercise with a view of elaboration of inputs for the TTX and FEX within the PPRD East Programme
E 2.2	Progress reporting	Progress Report No 2	2 qtr 2012	Progress Report approved by the Task Manager	NPC – validation of the information in the Progress report
	Steering Committee-2	Development phase reports and Implementation Phase plan approved by the Steering Committee	2 qtr 2012	Steering Committee approved progress of the Programme and set up further aims of the Implementation Phase	1 member of the Steering Committee from each Partner Country
	National Programme Coordinators' meeting-2	Further improvement of the work of NPCs	2 qtr 2012	NPCs agreed on concrete steps and activities of the Implementation Phase	NPC from each Partner Country

## 8 ANNEX 3. PLAN OF OPERATIONS FOR THE NEXT REPORTING PERIOD (WORK PROGRAMME)

Project title: Prevention, Preparedness and Response to natural and man-made disasters in the ENPI East Region (PPRD East)								Project number: 2010/247628				Project period: 2010-2014			
Countries: Armenia, Azerbaijan, Belarus, Georgia, Moldova, Ukraine								Development Phase				June 2011 – June 2012			
Activity areas	Activities	2011						2012							
		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
A1.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Analysis of Existing Hazard/Risk Assessment Policies”														
A1.3	Preparing the Regional Hazard/Risk Assessment Policy based on the EU Risk Assessment Guidelines														
	Subregional workshops on ways and means of implementation of the Regional Hazard/Risk Assessment Policy														
A2.1	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Review of Existing Information Systems”														
A2.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Needs Analysis for the Electronic Regional Risk Atlas”														

A2.2.1	Collection and analysis of existing information, preparing a web catalogue service – metainformation system for existing data in the Region; drafting and submission of the Technical Working paper “Review of Existing Maps and Related Data”														
	Acquiring and basic transformation of the GIS layers for the Region														
A2.2.2	Collection and analysis of existing information, drafting and submission of the Technical Working paper “Review of Existing Technological Possibilities”														
A2.3	Conceptual Design for the ERRA System														
A2.5	Detailed Design and Development of the ERRA														
B 1.2	Assessment of existing civil protection capacities														
	"EU CP Mechanism information days"														
B 1.3	Development of Training Programme														
	Compilation of study materials for GIS/ERRA training														
B 2.1	Participation in the UNECE Danube Delta Project														

	Seveso II study tour and workshop														
	Test-session between the national emergency contact points and the MIC														
	Start of the Exchange of Experts Programme														
	Implementation of the Exchange of Experts Programme														
B 2.3	Seminar on Exercises Planning and Methodology														
	Concept Development Initial Planning Conference														
C 1.2	Detailed Analysis of Existing Regulatory Framework														
	Regional workshop on regulatory framework														
	Finalization of the list of recommendations based on the results of the regional workshop														
C 1.3	Development of the preliminary list of recommendations on the improvement of the institutional frameworks of the Partner Countries														
	Participation of Partner Countries' representatives in the Civil Protection Forum in Brussels														

C2.3	Assistance to GEEP follow up in Kalush (Ukraine)														
C2.3	Assistance to GEEP start up Alaverdi (Armenia)														
C2.3	Preparatory GEEP Mission to Belarus														
D 2.1	Review of existing awareness raising activities														
	Workshop on consolidation of review results and developing common approach to the communication strategy														
	Developing of the massmedia data base catalogue														
	Inputs and updates of the webportal														
D 2.2	Participation at the NATO PfP exercise "Codrii 2011"														
	Workshop on elaboration of the regional communication strategy and action plan for its implementation														
	Communication - Issuing of the bilingual Programme newsletters														
	Study tour and workshop on best practices of prevention work														
	Participation at the planning events of the NATO PfP exercise Georgia 2012														
E 2.2	Progress reporting														



	Progress reporting														
	Steering Committee-2														
	NPC meeting-2														

**Legend:**

	Activity completed in the reporting period
	Activity to be implemented during the next reporting period

## 9 ANNEX 4. LOGFRAME

Project Component	Objectively Verifiable Indicators	Sources and Means of Verification	Assumptions
<b>Overall Project Objective</b>			
<p>To contribute to the peace, stability, security and prosperity of the Eastern Partner Countries and to protect the environment, the population, the cultural heritage, the resources and the infrastructures of the region by strengthening the countries' resilience, preparedness and response to man-made and natural disasters.</p>	<ul style="list-style-type: none"> <li>○ Strengthened civil protection capacities for disaster prevention, preparedness, and response within the Partner Countries.</li> <li>○ Improved regional co-operation between the Partner Countries, together with a closer alignment to the EU Civil Protection Mechanism.</li> </ul>	<ul style="list-style-type: none"> <li>○ Improved safety and security situation in the Partner Countries</li> <li>○ Improved relations between Partner Countries and their institutions</li> <li>○ Active participation in the Programme activities</li> </ul>	<ul style="list-style-type: none"> <li>○ Political events do not undermine commitment to strengthen cooperation and partnership in the field of civil protection/disaster preparedness in the region.</li> <li>○ Political and social stability in the region</li> <li>○ Partner Countries stand by their commitments and seek for active cooperation with the EU</li> </ul>
<b>Project Purposes</b>			
<p>To contribute to the development of the Partner Countries' civil protection capacities for disaster prevention, preparedness and response</p>	<ul style="list-style-type: none"> <li>○ Strengthened knowledge of risk exposure and available resources for enhanced preparedness and response capacities in the region.</li> <li>○ Enhanced legislative, administrative, and operational civil protection capacities of the Partner Countries in the field of prevention, preparedness, and response.</li> </ul>	<ul style="list-style-type: none"> <li>○ Primary and secondary legislation approved. Administrative structures strengthened. Training records of workshop participants.</li> </ul>	<ul style="list-style-type: none"> <li>○ Partner Countries stand by their commitments and seek for active cooperation with the EU</li> </ul>
<p>To bring the Partner Countries progressively closer to the EU Civil Protection Mechanism and improve cooperation among themselves.</p>	<ul style="list-style-type: none"> <li>○ Improved information awareness and participation of stakeholders regarding disaster prevention, prevention and response.</li> <li>○ Partner Countries are well informed about the EU Civil Protection Mechanism and able to effectively collaborate with the Mechanism participating states in responding to disasters, including through close co-operation with the MIC via the established contact points.</li> <li>○ Needs for a possible further development of cooperation with Eastern Partners following the end of the Programme (Phase II) are identified</li> </ul>	<ul style="list-style-type: none"> <li>○ Contact points established and facilitating effective cooperation with Mechanism participating states.</li> <li>○ Needs assessment for further co-operation with Eastern Partners.</li> </ul>	<ul style="list-style-type: none"> <li>○ Partner Countries active cooperate between themselves</li> <li>○ International agencies undertaking supporting parallel projects and programmes are involved into active cooperation with the PPRD East Programme</li> </ul>

Project Component	Objectively Verifiable Indicators	Sources and Means of Verification	Assumptions
<p><i>Result 1:</i> Better knowledge of risk exposure and available resources for enhanced preparedness and response capacities in the region (through creation of the Electronic Regional Risk Atlas)</p>	<p style="text-align: center;"><b>Project Results</b></p> <ul style="list-style-type: none"> <li>○ The regional electronic Risk Atlas has been created and is accessible to the Partner Countries.</li> <li>○ National statistics, cartography and other databases, land registries, GIS, existing satellite imagery and aerial photography as well as other resources are used in a systematic and integrated way in civil protection/disaster preparedness information sharing and management</li> </ul>	<ul style="list-style-type: none"> <li>○ Functional ERRA web system on regional, sub-regional and national level</li> <li>○ Administrator’s and User’s Guides</li> <li>○ Hazard and Risk Maps for natural and man-made disaster</li> <li>○ National systems will be linked with ERRA</li> </ul>	<ul style="list-style-type: none"> <li>○ ERRA reflects the actual needs and priorities of the key stakeholders and target groups within the project countries.</li> <li>○ Collaboration in ERRA development and testing</li> <li>○ Cooperation on risk mapping – active inputs from Partner Countries stakeholders</li> <li>○ Active inputs of the Partner Countries in database filling</li> <li>○ Willingness for data sharing</li> <li>○ Willingness of Partner Countries to implement the ERRA into disaster management processes</li> <li>○ Timely and adequate human and material resources available to implement the capacity building programme. Project Countries are prepared to make available staff for training.</li> <li>○ Stakeholders willing to cooperate in planning, conducting and evaluation of “table top” and field exercises.</li> <li>○ Recommendations for legislative and institutional strengthening are credible, practical, and have the full support of all key stakeholders</li> <li>○ Collaborative procedures agreed between the Partner Countries</li> <li>○ Political will to harmonise procedures and work collectively</li> </ul>
<p><i>Result 2:</i> Enhanced legislative, administrative and operational civil protection capacities of the Partner Countries in the field of prevention, preparedness and response</p>	<ul style="list-style-type: none"> <li>○ Improved legislative framework in the field of civil protection/disaster preparedness in the partner countries taking into account EU legislation in disaster prevention.</li> <li>○ Training and capacity building activities implemented.</li> <li>○ Capacities in the Civil protections systems are strengthened.</li> <li>○ Partner institutions collaborate, commit resources and collect management data jointly</li> </ul>	<ul style="list-style-type: none"> <li>○ Country monitoring and evaluation reports</li> <li>○ Guidelines and manuals drafted</li> <li>○ Reports from workshops, study tours, exercises</li> <li>○ Changes in legislation and institutional framework</li> </ul>	<ul style="list-style-type: none"> <li>○ Timely and adequate human and material resources available to implement the capacity building programme. Project Countries are prepared to make available staff for training.</li> <li>○ Stakeholders willing to cooperate in planning, conducting and evaluation of “table top” and field exercises.</li> <li>○ Recommendations for legislative and institutional strengthening are credible, practical, and have the full support of all key stakeholders</li> <li>○ Collaborative procedures agreed between the Partner Countries</li> <li>○ Political will to harmonise procedures and work collectively</li> </ul>

Project Component	Objectively Verifiable Indicators	Sources and Means of Verification	Assumptions
<i>Result 3:</i> Improved information, awareness and participation of stakeholders regarding disaster prevention, prevention and response	<ul style="list-style-type: none"> <li>○ The information campaign is implemented, the target public has been reached.</li> <li>○ Prevention-oriented awareness raising has improved</li> </ul>	<ul style="list-style-type: none"> <li>○ Country monitoring and evaluation reports</li> <li>○ Active steps undertaken by the Partner Countries to improve situation with emergency prevention</li> <li>○ Improved crisis communication both within the Partner Countries and between them</li> <li>○ Improved information exchange with media, its increased participation in prevention activities</li> <li>○ Bilingual Programme portal is working and constantly updated</li> </ul>	<ul style="list-style-type: none"> <li>○ Active inputs of the Partner Countries into development and implementation of the communication strategy aimed at prevention</li> <li>○ Active involvement of all types of media, representatives of public and private sector and civil society into development, production and dissemination of prevention-aimed information</li> </ul>
<i>Result 4:</i> Partner Countries are well informed about the EU Civil Protection Mechanism and able to effectively collaborate with the Mechanism participating states in responding to disasters, including through close cooperation with the MIC via the established contact points	<ul style="list-style-type: none"> <li>○ The principles of the Civil Protection Mechanism are well known to the Partner Countries.</li> <li>○ Case studies of using the EU Civil Protection Mechanism options and resources by the programme countries are published and distributed.</li> <li>○ Contact points for effective communication with the MIC are established.</li> <li>○ Gaps in the ability to provide and receive external assistance during disasters are identified and addressed.</li> <li>○ Technical guidelines and operation manuals are drafted and translated.</li> </ul>	<ul style="list-style-type: none"> <li>○ Country and MIC reports</li> <li>○ Reports and feedback from the training activities, exercises, other events</li> <li>○ National legislation and established procedures</li> <li>○ Published materials</li> <li>○ Reports on exchange of experts programme.</li> </ul>	<ul style="list-style-type: none"> <li>○ Willingness of Partner Countries to active collaborate with the EU CP Mechanism</li> <li>○ Willingness to participate in the EU CP Mechanism events</li> <li>○ Willingness of the EU CP Mechanism to make flexible decision ensuring Partner Countries' participation</li> </ul>
<i>Result 5:</i> Needs for a possible further development of cooperation with Eastern partners following the end of the Programme (Phase II) are identified	<ul style="list-style-type: none"> <li>○ The basis for the second phase of the PPRD East is established and measures for the follow-up are defined.</li> </ul>	<ul style="list-style-type: none"> <li>○ Final Project Report</li> <li>○ Written requests from the Partner Countries</li> </ul>	<ul style="list-style-type: none"> <li>○ Willingness of the Partner Countries to further develop their relationships with the EU in this field</li> </ul>

Project Activities	Forms of Activity	Means of Verification	Assumptions
<i>Activity Area A:</i> Development of the Electronic Regional Risk Atlas (ERRA)	<ul style="list-style-type: none"> <li>○ Analysis of Existing Hazard/Risk Assessment Policies</li> <li>○ Development of the Regional Hazard/Risk Assessment Policy</li> <li>○ Review of Existing Management Information/GIS Systems</li> <li>○ Needs Analysis for the Regional Electronic Risk Atlas</li> <li>○ Analysis of Existing maps and data</li> <li>○ Analysis of technological possibilities in countries</li> <li>○ Conceptual Design for the ERRA System</li> <li>○ Stakeholder Consultation</li> <li>○ Detailed Design and Development of the ERRA</li> <li>○ Database creation for ERRA</li> <li>○ Vulnerability and Risk Analysis Map Production</li> <li>○ Development of Draft Civil Protection Operational Manual</li> <li>○ Stakeholder Consultation and Finalisation of the Operational Manual</li> </ul>	<ul style="list-style-type: none"> <li>○ Reports and feedback from the events</li> <li>○ Published materials</li> <li>○ ERRA has been created and in use in Partner Countries</li> <li>○ Civil Protection Operational Manual has been created</li> </ul>	<ul style="list-style-type: none"> <li>○ Firm commitment of stakeholders to co-operate with the Project Team and achieve Programme goals.</li> <li>○ Stable and supportive political environment in all Partner Countries for facilitating project implementation.</li> <li>○ Official acceptance and approval of the Programme activities by the Partner Countries</li> <li>○ Partner Countries' representatives are available for Programme activities</li> <li>○ Compatible data standards</li> <li>○ Timely and adequate submission of information and inputs</li> </ul>
<i>Activity Area B:</i> Civil Protection/Disaster Management Capacity Building Programme	<ul style="list-style-type: none"> <li>○ Stakeholder Analysis</li> <li>○ Training Needs Analysis</li> <li>○ Development of Training Programme</li> <li>○ Implementation of Training Programme</li> <li>○ Implementation of the Exchange of Experts</li> <li>○ Planning and Implementation of Regional Exercises</li> <li>○ Planning &amp; Implementation of "Table Top" Exercises</li> <li>○ Survey of Impact of the Programme on National Legislations and Institutional Framework</li> </ul>	<ul style="list-style-type: none"> <li>○ Training Programme developed and validated</li> <li>○ Procedures for exchange of experts developed</li> <li>○ Reports and feedback from the events</li> <li>○ Published materials</li> </ul>	<ul style="list-style-type: none"> <li>○ Official acceptance and approval of the programme activities by the Partner Countries</li> <li>○ Institutions prepared to cooperate and work together within the same country and across borders</li> <li>○ Partner Countries willingness to actively participate in the Programme activities and share information</li> <li>○ Partner Countries willingness to develop their systems on the basis of the Programme outputs and achievements</li> </ul>

<b>Project Activities</b>	<b>Forms of Activity</b>	<b>Means of Verification</b>	<b>Assumptions</b>
<p><i>Activity Area C: Institutional and Regulatory Strengthening</i></p> <p>C1. Strengthening the Regulatory Framework</p> <p>C2. Strengthening the Institutional Framework</p>	<ul style="list-style-type: none"> <li>○ Preliminary Review of the Institutional &amp; Regulatory Baseline</li> <li>○ Detailed Analysis of Existing Regulatory Framework</li> <li>○ Recommendations for Strengthening Regulatory Framework</li> <li>○ Detailed Analysis of Existing Institutional Framework</li> <li>○ Recommendations for Strengthening the Institutional Framework</li> </ul>	<ul style="list-style-type: none"> <li>○ Reports and feedback from the field trip and workshop</li> <li>○ Recommendations for amendment of the national legislations</li> <li>○ Recommendations for improvement of institutional framework</li> <li>○ Published materials</li> </ul>	<ul style="list-style-type: none"> <li>○ Official acceptance and approval of the programme activities by the Partner Countries</li> <li>○ Institutions prepared to cooperate and work together within the same country and across borders</li> <li>○ Partner Countries willingness to actively participate in the Programme activities and share information</li> <li>○ Partner Countries willingness to amend their legislation and institutional framework on the basis of the Programme outputs and achievements</li> </ul>
<p><i>Activity Area D: Raising Awareness on Civil Protection, Disaster Management and Disaster Risk Reduction Issues</i></p> <p>D1. Establishing the Awareness Raising</p> <p>D2. Development and Implementation of Public Awareness Raising Activities</p>	<ul style="list-style-type: none"> <li>○ Review of Existing Awareness Raising Activities</li> <li>○ Awareness Raising Survey</li> <li>○ Development of Prevention-aimed Awareness Raising Strategy</li> <li>○ Implementation of Prevention-aimed Awareness Raising Strategy</li> <li>○ Dissemination of Key Project Results</li> </ul>	<ul style="list-style-type: none"> <li>○ Reports and feedback from the events</li> <li>○ Published materials</li> <li>○ Bilingual Webportal is functioning and regularly updated</li> </ul>	<ul style="list-style-type: none"> <li>○ Partner Countries willingness to pay significant attention to the prevention issues</li> <li>○ Sufficient qualified staff available to develop public awareness strategy and to implement it</li> <li>○ Involvement of the civil society into awareness raising activities</li> </ul>
<p><i>Activity Area E: Project Management</i></p> <p>E1. Project Mobilisation and Team Building</p> <p>E2. Administrative Project Reporting</p> <p>E3. Phase II Design</p>	<ul style="list-style-type: none"> <li>○ Project Mobilisation</li> <li>○ Project "Kick Off" Meeting</li> <li>○ Establish Steering Committee &amp; Nominate National Programme Coordinators</li> <li>○ Initial Selection of Non-Key Experts</li> <li>○ Project Work plan and Inception Report</li> <li>○ Progress Reporting</li> <li>○ Final Report</li> <li>○ External Review</li> </ul>	<ul style="list-style-type: none"> <li>○ Steering Committee is established</li> <li>○ Network of National Programme Coordinators is established and functioning</li> <li>○ Database of non-key experts established Reports and feedback from the events</li> <li>○ Published materials</li> </ul>	<ul style="list-style-type: none"> <li>○ Firm commitment of stakeholders to participate in the Programme steering process and achieve its goals</li> <li>○ Efficient process of selection of the non-key experts</li> <li>○ Active and efficient inputs of the non-key experts</li> <li>○ Efficient use of the Programme Budget</li> </ul>