

Lead Partner:

MINISTRY OF ENVIRONMENT - RO

Partners:

- Prut-Bârlad Water Basin Administration - RO,
- Siret Water Basin Administration - RO,
- National Institute of Hydrology and Water Management - RO
- “Apele Moldovei” Agency - MD
- Dniester-Prut Basin Department of Water Resources - UA
- Chernivtsi Regional Centre on Hydrometeorology - UA
- State Scientific and Technical Centre for inter-sectorial and regional problems of the Environmental Safety and Resources Conservation “EcoResource” - UA



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Common borders. Common solutions.

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“The European Union is made up of 28 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms.

The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders”.



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**MINISTRY OF ENVIRONMENT,
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Romania-Ukraine-Republic of Moldova
CROSS BORDER COOPERATION

Joint Operational Programme
Romania-Ukraine-Republic of Moldova 2007-2013

PROJECT

“The prevention and protection against floods in the upper Siret and Prut River Basins, through the implementation of a modern monitoring system with automatic stations”

EAST AVERT, MIS ETC 966

OUTPUTS & RESULTS

SETTING THE SCENE

Many regions throughout the Danube Region are particularly subject to high flood risks, as was illustrated by the disastrous events in 2006, 2008. This flood disaster affected large parts of Danube floodplains, as well as central and Northern European countries; these phenomena induced loss was of more than 700 mil euro.

Prevention of flood hazards caused by transboundary Rivers is a global issue to be addressed on cross-border level.

Project EAST AVERT MIS ETC 966

OUTPUTS & RESULTS:

Developing a modern integrated quantitative monitoring on the level of Siret and Prut River Basins including Stanca-Costesti Reservoir, for prevention and protection against floods and accidental pollution events.



Reducing the environmental, economic and social vulnerability of targeted localities from the border region between Romania, Republic of Moldova And Ukraine against flood risk by enhancing the functional capacities of the Hydro-technical Complex "Stanca-Costesti" for flood attenuation, better monitoring system and safety exploitation.



Creating a Hydrological Informational System (HIS):

- Constructing and equip 32 automate stations (30 on the Ukraine territory and 2 in Romania (Stânca Costești and Ripiceni))



- Modernize of 14 old (in operation) automated stations and protect stations by bank strengthening.



- Securing shelters of automated stations (for unauthorized person's access) by equipping with remote monitoring & control alarm systems.



Creating an Early Warning System (EWS): installment of 24 alert system points for population warning.

Purchase of modern equipment for:
 - 12 county dispatches (8 in RO, 3 in UA and 1 in MD) & 1 national dispatch (RO);
 - 6 forecasting centers (3 in RO, 2 in UA and 1 in MD).



- Improving forecasting procedure/models by development of software system for modeling water levels and water flow discharges in the basins of the Prut and Siret Rivers.



- Increasing capacity of the personnel by trainings for automatic stations calibration, maintenance and data processing, using ArcGIS, specialized EC Inspire software for mapping information.

- Obtaining of a common geodatabase, adopting of a common methodology and delivering the historical floods mapping for the Preliminary Flood Risk Assessment, flood hazard and flood risk mapping and EU policy implementation (Flood Directive 2007/60/EC) for border area of Siret and Prut River Basins.



- Common Action Plan for flood protection in the border regions against ice-floods, hydrological drought, accidents occurred at the hydrotechnical constructions through the cooperation of the responsible stakeholders of Romania, Ukraine and Rep. of Moldova.

- Long-term strategic land development planning, based on an integrated approach, for a sustainable development of the border region.



Review of the bilateral agreements for water management, data exchange and forecasts, getting a better warning and coordination of the preventive measures and protection for localities in the border areas.