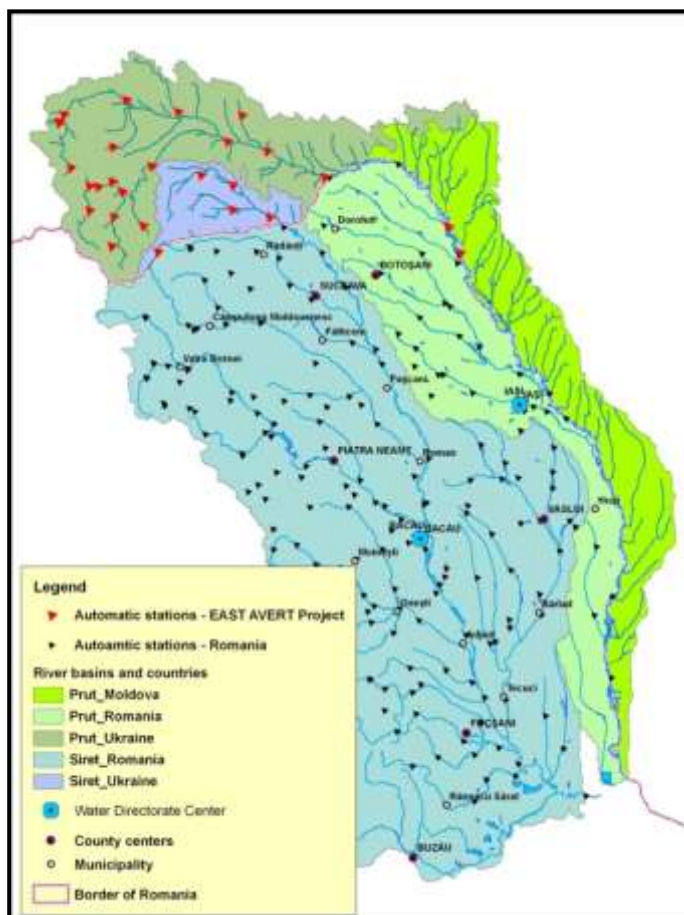


The trilateral project “**The prevention and protection against floods in the upper Siret and Prut River Basins, through the implementation of a modern monitoring system with automatic stations - EAST AVERT**”, cod 966, funded by the **Joint Operational Programme Romania - Ukraine - Republic of Moldova**, European Neighbourhood and Partnership Instrument (ENPI)

1. In frame of large-scale project «**The prevention and protection against floods in upper Prut and Siret river basins through the implementation of modern monitoring system with automatic stations – EAST AVERT**» MIS ETC 966, was foreseen the creation of a new and modern hydrological informational system (HIS).

The implementation of trilateral HIS consisted practically in 4 stages: (i) design the systems (detailed planning of scope of work), (ii) new automatic stations installment & modernization (equipment acquisition) and integration of already in-place stations, (iii) new Dispatches installment & modernization (equipment acquisition) of existing ones, and, (iv) testing the functionality of created systems.

2. **In Phase 1, designing HIS and EWS**, all project partners contributed, considering also the inputs/information from economic agents, public consultation and other stakeholders for emergency situation data and warnings dissemination. This stage considered the analysis and interpretation of the risk phenomena for Prut and Siret River Basins and contributed to establish/improve the periodicity for data collection, processing and transmission for both situations, normal and emergency situations.



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Initially, project implementation foreseen for HIS creation a number of 26 automatic stations. Due to some economies reallocated within the project budget, by approval of several Addendums to grant application, the number of automatic stations raised to 32. Consequently, the Feasibility Study was completed.

3. **In Phase 2** (starting with 2015), were performed construction works and equipment installment for **32 automatic stations, of which 30 on Ukraine territory and 2 on Romanian – Rep. of Moldavia border (Ripiceni and Stanca Costesti dam).**

**On Ukrainian side**, Partner 6 – Dnister – Prut Water Basin Directorate with the support of Partner 7 – Chernivtsi Regional Hydro-meteorological Center were responsible for the works and equipment installment for 30 automatic stations. The stations were equipped, as follows:

- ✓ 5 – with complete equipment set (level gauge, precipitation gauge, hydrometric cable cross);
- ✓ 12 – with hydro-meteorological equipment (level gauge, precipitation gauge),
- ✓ 5 – with hydrological equipment (level gauge), and
- ✓ 8 – with meteorological equipment (precipitation gauge).

Automatic stations were installed in next locations:

1. Prut – Chernivtsi, Chernivtsi region;
2. Chorniava - Liubkivtsi, Ivano-Frankivsk region;
3. Pytula - Putyla, Chernivtsi region;
4. Prut -Tarasivtsi, Chernivtsi region;
5. Siret - Storozhynets, Chernivtsi region;
6. Siret - Cherepkivtsi, Chernivtsi region;
7. Prut –Vorohta, Ivano-Frankivsk region;
8. Prut - Yaremche, Ivano-Frankivsk region;
9. Prut - Kolomyia, Ivano-Frankivsk region;
10. Zhonka - Yaremche, Ivano-Frankivsk region;
11. Kamianka - Dora, Ivano-Frankivsk region;
12. Iltsa – Iltsi, Ivano-Frankivsk region;
13. Chornyi Cheremosh - Verhovyna, Ivano-Frankivsk region;
14. Veretyn – Verhniy Yaseniv, Ivano-Frankivsk region;
15. Bilyi Cheremosh - Yablunytsia, Ivano-Frankivsk region;
16. Cheremosh - Usteriky, Ivano-Frankivsk region;
17. Cheremosh - Kutu, Ivano-Frankivsk region;

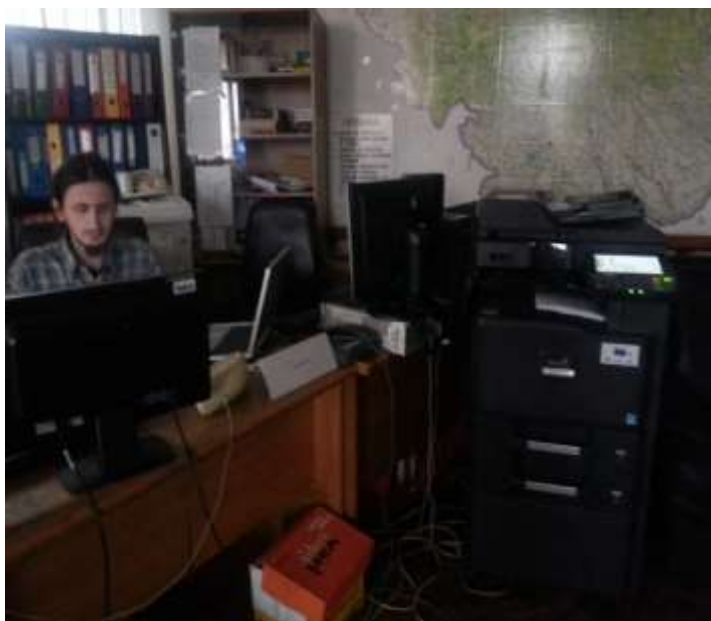


18. Malyi Siret – Verhni Petrivtsi, Chernivtsi region;
19. Pistenka - Prokurava, Ivano-Frankivsk region;
20. Chorny Cheremosh - Zelene, Ivano-Frankivsk region;
21. Bilyi Cheremosh - Holoshyna, Ivano-Frankivsk region;
22. Mihidra – Stara Zhadova, Chernivtsi region;
23. Sovytsia - Kitsman, Chernivtsi region;
24. Suchava - Seliatyn, Chernivtsi region;
25. Prut – Pozhyzhevsk station, Ivano-Frankivsk region;
26. Rybnysia – Dzhuriv, Ivano-Frankivsk region;
27. Prut - Sniatyn, Ivano-Frankivsk region;
28. Siret – Dolishniy Shepit, Chernivtsi region;
29. Derelui – Valia Kuzmina, Chernivtsi region;
30. Derelui - Ostrytsia, Chernivtsi region.

**On Romanian side**, Partner 2 – Prut Barlad Water Basin Directorate was responsible for the works and equipment installment of 2 automatic stations in the Stanca Costesti area (Stanca Costesti dam and Ripiceni).

4. **Phase 3**, developed in parallel with phase 2, focused on:

- modernization of 8 county Dispatches: Iasi, Botosani, Vaslui, Galati, Bacau, Neamt, Suceava, Siret, and  
1 national Dispatch (Bucharest) in Romania,



LP- Ministry of Environment Dispatch Center, Romania

National Dispatch Center in Bucharest (LP-MoE), Romania



- realization of 1 county Dispatch in Republic of Moldova (Kishinev)



and

- realization of 3 county Dispatches in Ukraine:





Chernivtsi (P7 headquarter) Dispatch Center

5. **In Phase 4, during 19-23.11.2016** took place the simulation exercise for testing the HIS for informational flux. The exercise was developed on a 5 days period, considering a complex scenario with multiple events on Prut and Siret Rivers, being involved not only the structures from project partners' institutions, but also other responsible authorities from the three countries, as follows:

- Prut-Barlad Water Basin Directorate - Romania
- Stanca Costesti Hidrotechnical Complex - Romania
- PP7 – Chernivtsi Regional Centre on Hydrometeorology - Ukraine
- PP6 – Dniester-Prut Basin Department of Water Resources - Ukraine
- PP5 – „Apele Moldovei” Agency – Rep. of Moldova
- Local Dispatches of Water Management Administration from Suceava, Siret, Iasi, Botosani, Vaslui, Galati - Romania
- INHGA - Romania
- Ministry of Environment, Waters and Forests - Operative Committee for Emergency Situations - Romania
- National Administration „Romanian Waters” – Romania
- General Inspectorate for Emergency Situation – Romania.

The simulation exercise was successfully finalized and proved the functionality and importance of new created trilateral informational system, especially in case of floods or dangerous hazards caused by Prut and Siret waters.

Considering this achieved objective of the project, it generally considered by waters authorities and stakeholders from the three involved countries that EAST AVERT Project contribute substantially to protection of the border areas in the upper Siret and Prut River Basins against the flood risk, reducing the environmental, economic and social vulnerability of targeted localities from the border region. It was highlighted once again the importance of transboundary approach and cooperation in case of extreme events.

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