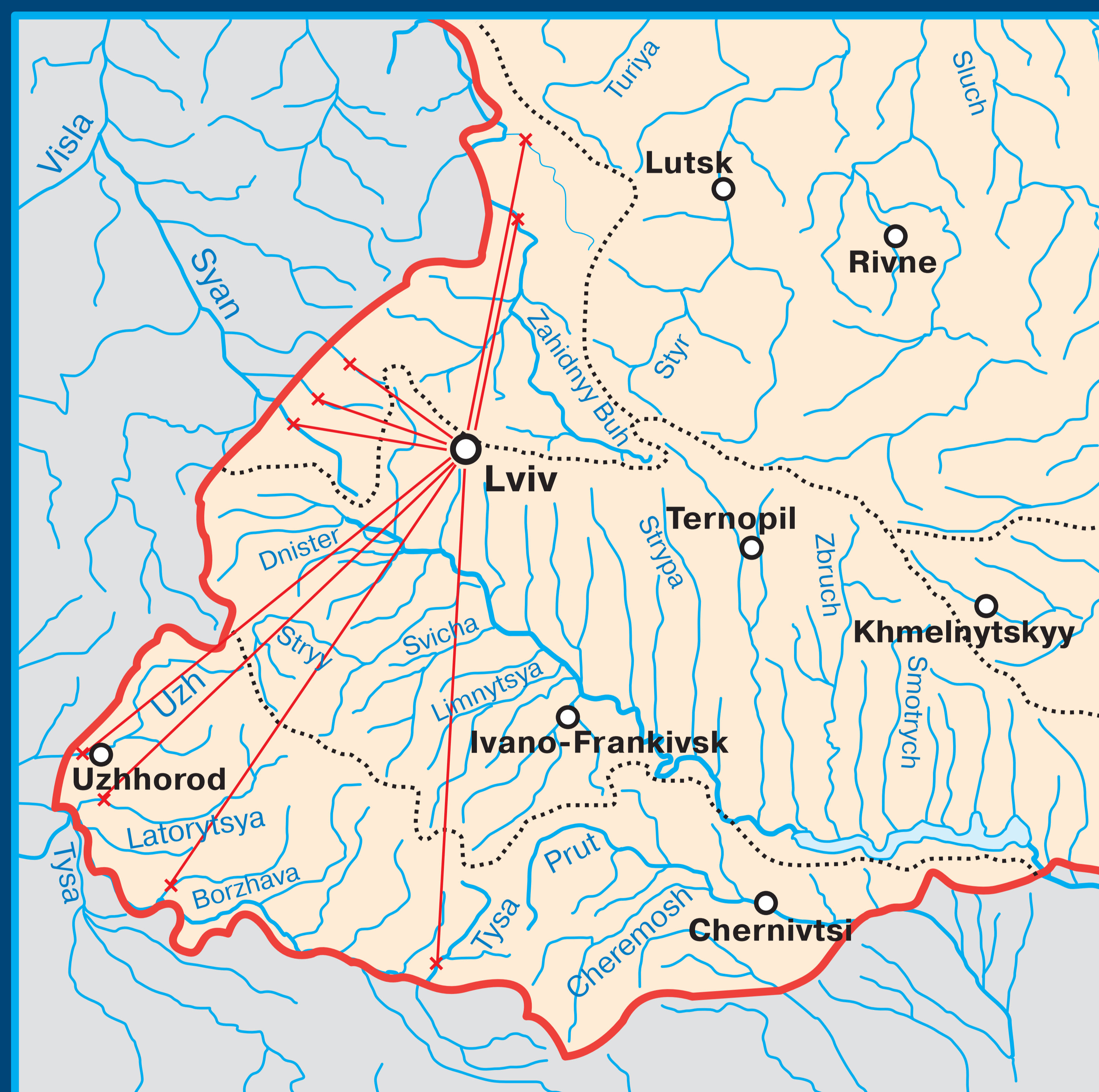




IVAN FRANKO NATIONAL UNIVERSITY OF LVIV

WATER MONITORING OF UKRAINE'S WESTERN REGION TRANS-BORDER RIVERS ON CONTENT OF HEAVY METALS AND ORGANIC POLLUTANTS



Such rivers will be the objects of monitoring

- Western Buh, Vyshnya, Shklo
- Vibor, Syan, Zavadiivka, Tysa, Uzh

Project purpose :

monitoring on the border of Ukraine and European Union on content of the following pollutants:

- heavy metals (Mn, Fe, Zn, Cu, Pb, Co, Cd, Hg, Cr, Ni);
- organic compounds (phenols, aromatic hydrocarbons, chloroform, petrochemicals, synthetic detergents);
- anions (F, NO₃, Cl, SO₄²⁻).
- determination of hardness, pH, chemical consumption of oxygen.

The project will allow

- To create an independent inspection team for objective appraisal of trans-border rivers ecological situation.
- To fill up a data bank concerning the content of pollutants in waters.
- To study change dynamics of pollutants concentration during a year.

Additional possibilities of the accredited laboratory of analytical chemistry

- Analysis of drinking-water quality.
- Rendering services to individuals and legal entities concerning the analysis of non-ferrous and noble metals and their alloys.
- Study of crystalline structure of inorganic compounds by the methods of X-ray structural analysis.
- Arbitration analysis.
- Analysis of pharmaceutical preparations and food products quality.

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