

Partners:

1. Uzhhorod National University
(Uzhhorod, Ukraine)
2. Miskolc University
(Miskolc, Hungary).
3. Vihorlat Observatory
(Humenne, Slovakia).
4. Association Center for Research,
Innovation and Technology Transfer
"NORDTech" (Baia Mare, Romania).
5. International Association of Regional
Development Institution "IARDI"
(Uzhhorod, Ukraine).

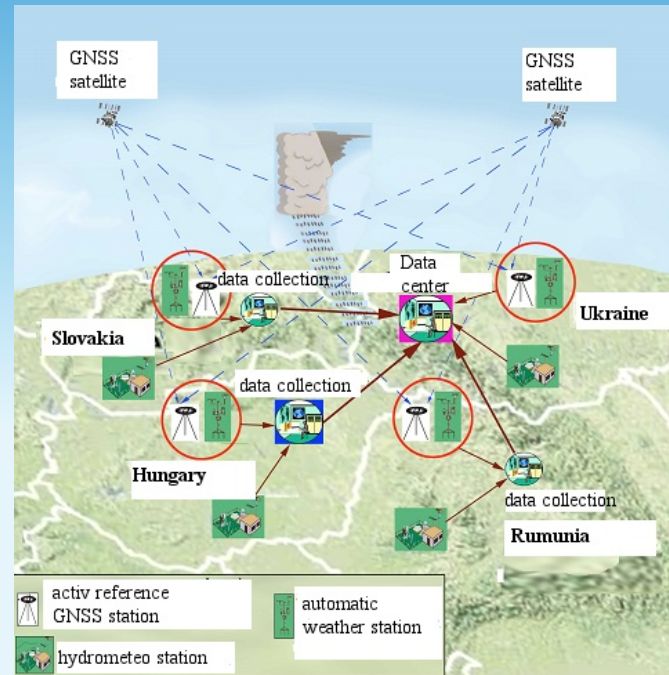
The overall objective of the project is the establishment of a real time monitoring and warning system to reduce risks and damages of natural disasters on population, resources and environment in the study area by means of exploitation of satellite technologies.

Target groups:

- emergency, rescue, municipal service organizations / institutions;
- national and regional meteorological services organizations / institutions;
- central and regional authorities;
- subjects of national economy, agricultures, small and medium-sized enterprises, tourist agencies;
- airlines, road and railway companies;
- administrations of nature reserves, national natural parks, forestries, sports and cultural events organizations;

- professional institutions and public organizations responsible for environmental protection.

Final beneficiaries: All population of cross-border area of Hungary, Slovakia, Romania and Ukraine.



System of distance atmosphere monitoring

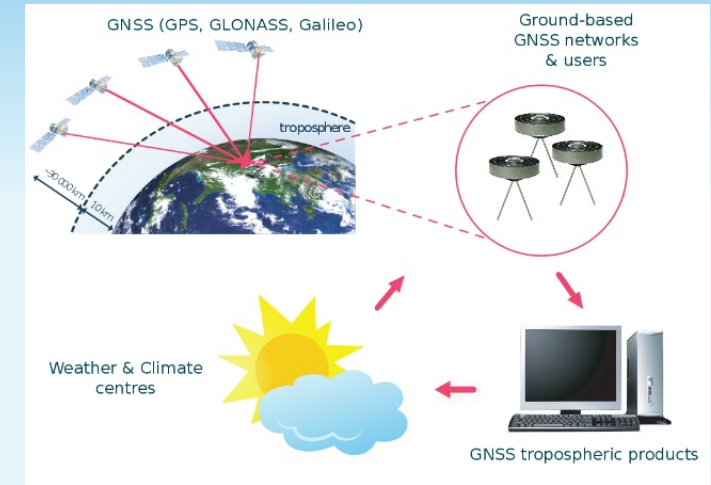
Estimated results:

1. A real-time monitoring and emergency system for prediction of natural disasters in cross-border area of Hungary, Slovakia, Romania and Ukraine will be created and operated.
2. Timely prediction of occurrence, size, direction and velocity of propagation of

dangerous atmospheric phenomena causing natural disasters incidents (floods, mudslides, landslides, mudflows, avalanches in mountains, etc.) will be performed.

3. Authorities and professional associations will be operatively informed about occurrence of natural disasters.

4. Risk of damages to population and target groups will be reduced, and the quality of environmental protection will be enhanced in the project area.



Main activities:

Technical-preparatory stage: forming of working groups; elaboration of atmosphere monitoring methodologies; purchase and installation of meteorological equipment; creation of data centers for satellite and meteorological data collection and dissemination; establishment of data and analysis centers.

Educational-organizational stage: seminars for employees of data and analysis centers, meteorologists and representatives of emergency services; creation of the society "European perspective of the Carpathian region" (Uzhhorod).

Main stage: start of the Space Emergency System (SES); elaboration of textbook on GPS meteorology and instruction manual on SES.

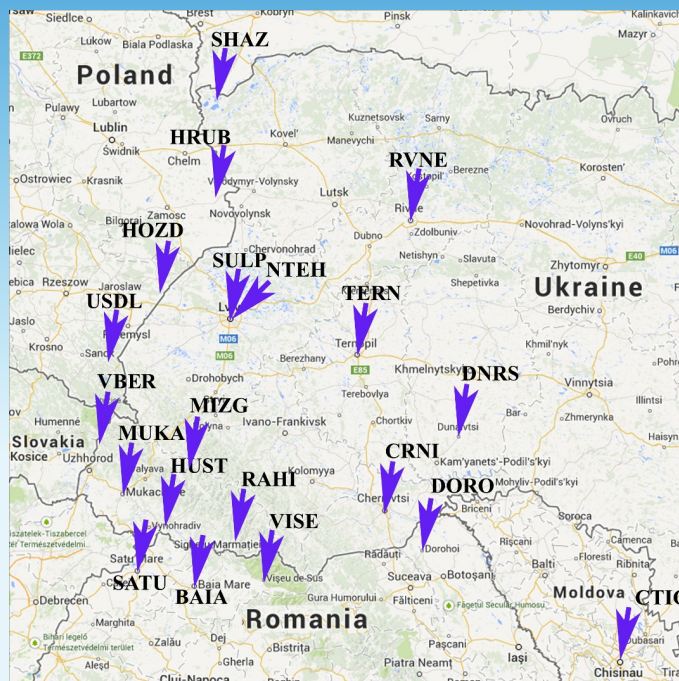
Public Relation stage: promotion of operating SES in mass-media, holding conferences and workshops.

Budget: 537610.80 euro,
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GPS stations network

“SPACE EMERGENCY SYSTEM” – cross-border system for pre-diction of natural disasters incidents on basis of exploitation of satellite technologies in Hungary, Slovakia, Romania and Ukraine.



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