



"Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems"

"Estonia – Latvia – Russia Cross Border Cooperation Programme within the European Neighbourhood and Partnership Instrument 2007-2013"

PROJECT PARTICIPANTS



St. Petersburg Institute for Informatics and Automation of the RAS



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Government of St. Petersburg Committee on IT and Communications



Latvian Transport Development and Education Association



Diplomatic Economic Club

Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems



Estonia-Latvia-Russia cross border cooperation Programme within European Neighborhood and Partnership instrument 2007-2013

The purpose of the European neighbourhood and partnership tool is to support the comprehensive cooperation and progressive economic integration between the European Union, Russia and neighbouring countries.

Programme implementation is purposed for the increase of the competitiveness and investment attractiveness of the cross-border regions of the states, improvement of the environment condition, improvement of the life standards and wealth of the citizens.

The platform has been created to provide the geoinformation support of the border territories development projects within the INFROM project "Integrated Intelligent Platform for Monitoring the Cross-Border Natural-Technological Systems", part of "Estonia-Latvia-Russia cross-border cooperation Programme within European Neighborhood and Partnership Instrument 2007-2013".

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Geoinformation platform to support the border territories development projects



Geoinformation Platform

- is the multi-function information system, provided for the collection, processing, comprehensive modelling and decision making.

The main purpose

of the proposed platform is the automated generation and applying of the integrated data, information and knowledge of the territories with the analysis of the current changes, modelling of the possible scenarios for territory development and the situations occurring there using the ground and aerospace data, and the timely provision of the required data to the users.

One of the most effective applications of the platform is the monitoring, analysis and forecasting of the international programmes and projects execution scenarios in the cross-border territories.

The proposed information platform provides the new level of user access to the actual data, information and knowledge of the territory condition and its scheduled development within the international projects.

The complex applying of the platform allows to analyze and develop the cross-border territory as the common natural and technological environment due to the creation of the integrated ground-aerospace data.

Consumers

The international programmes and projects management authorities, border regions executive authorities, analytics from the specific spheres and the citizens from the cross-border countries are interested in application of this Platform.

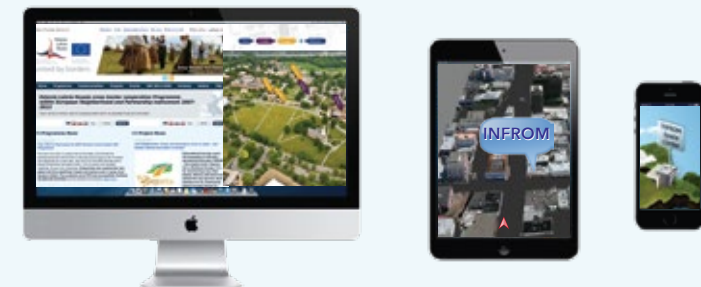
Results of work

User is provided in visual form the data, information and knowledge about the region (power supply, transportation network, engineering lines, infrastructure facilities condition, forest areas, water facilities, etc.) and the changes that occur as a result of cross-border cooperation projects.

User may easily analyse the available data, modelling of the possible scenarios and planning of the further territory development, including using the c cross-border cooperation projects.

Advantages

- ▶ Purchase of the licenses from the third-party vendors is not required, because the Platform is based on free software.
- ▶ Complex modelling automation - from data input and its interactive processing to the visual presentation of the end results at the territory map.
- ▶ Ergonomic user-friendly interface, allowing users without programming skills to interact with the Platform.
- ▶ The Platform allows to operate all the general types of the spacial data by practically implementing the principle of the inherited applying of the data available from the user.
- ▶ The possibility of operation via Web interfaces for the data input and obtaining results, including using the user's mobile devices.



SIMPLICITY. CLEARNESS. PROMPTNESS. AUTOMATION.

Modern information system based on the integrated intelligent platform of the ground-based and aerospace monitoring.