

INFOTECH LESINFORM

**FORESTRY
GEOMONITORING
SYSTEM**

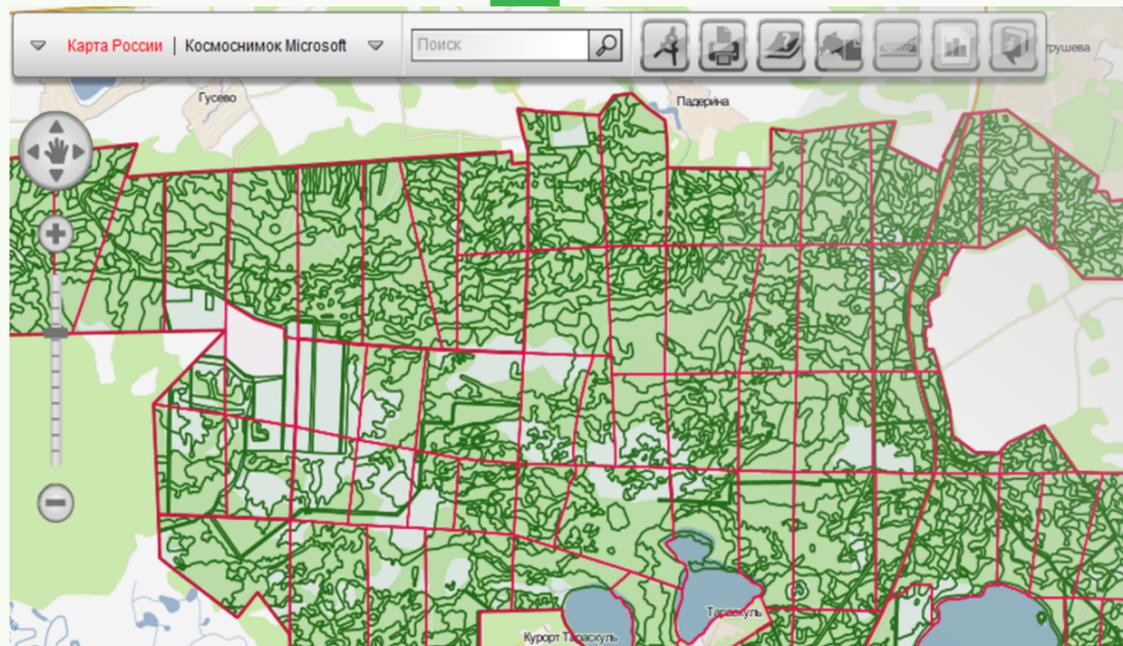


Issues to be solved by forestry management

Forest resources management requires constant control on the part of executive management. However, in terms of a large forest complex, performance control for each employee is rather challenging, since the required data search and processing take a lot of time, and the information quickly becomes outdated. As a result, the efficiency of decision-making decreases.

In order to automate the executive work and improve the quality of large forestry management, Infotech Lesinform geomonitoring system was developed.

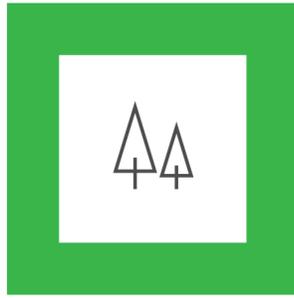
Infotech Lesinform geomonitoring system



The system is designed for forestry complex management and provides solutions for the following tasks:

- **Collection of all information about the forest complex in a single system**
- **Integration with accounting systems**
- **Simplification of interdepartmental interaction**
- **Establishment of interaction with residents**
- **Activities planning and control**
- **Reports preparation**

How does the system work



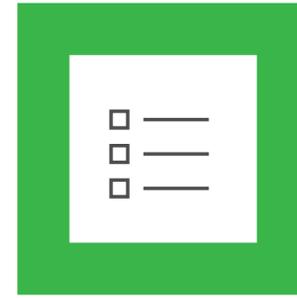
Location of forest fire-fighting and emergency response teams



Tenants information



List of forest fire-fighting teams, machinery and equipment

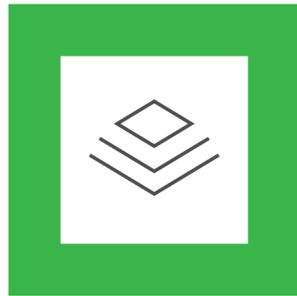


Event plans

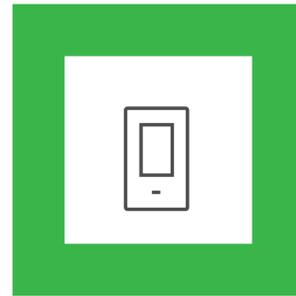


Incoming messages from the residents

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Geoportal



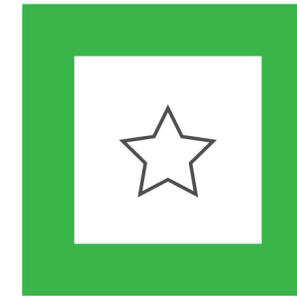
Display on mobile devices



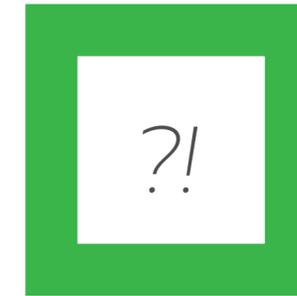
Fire display and analysis system



Reporting system



Events and activities accounting system

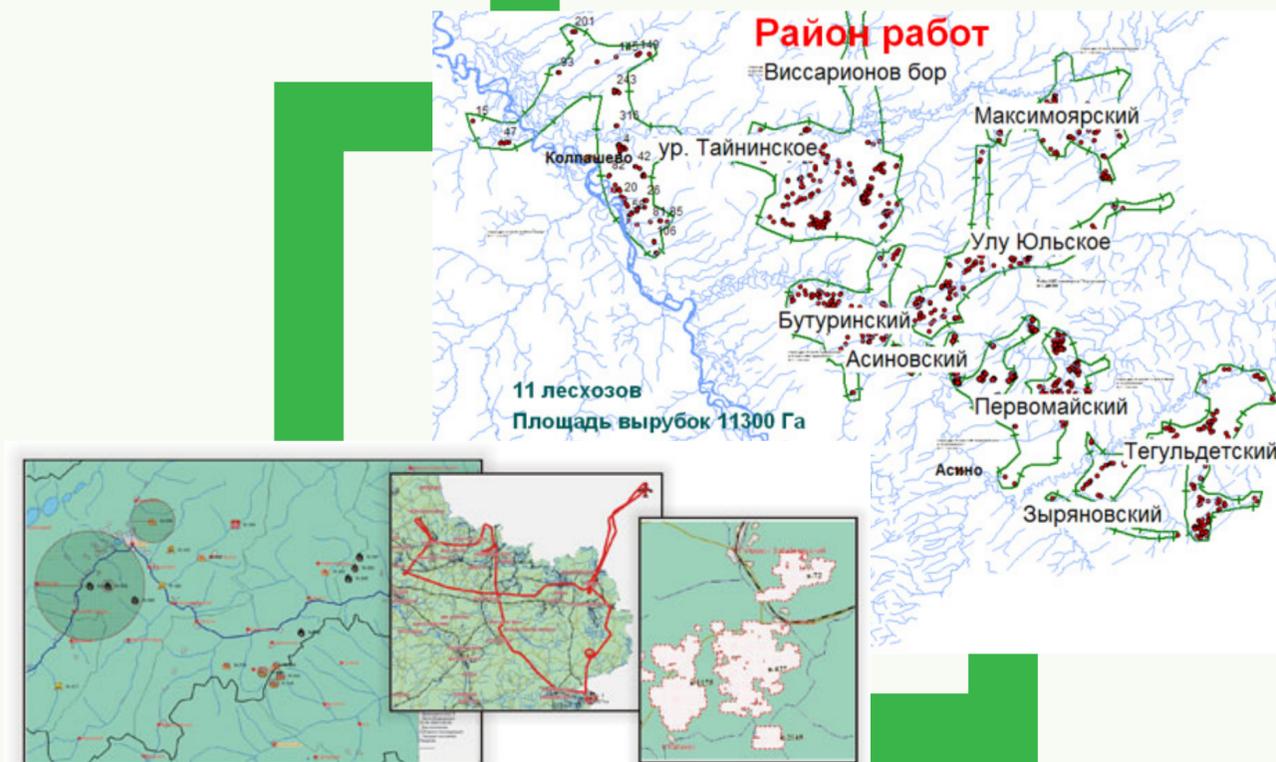


Interdepartmental interaction system

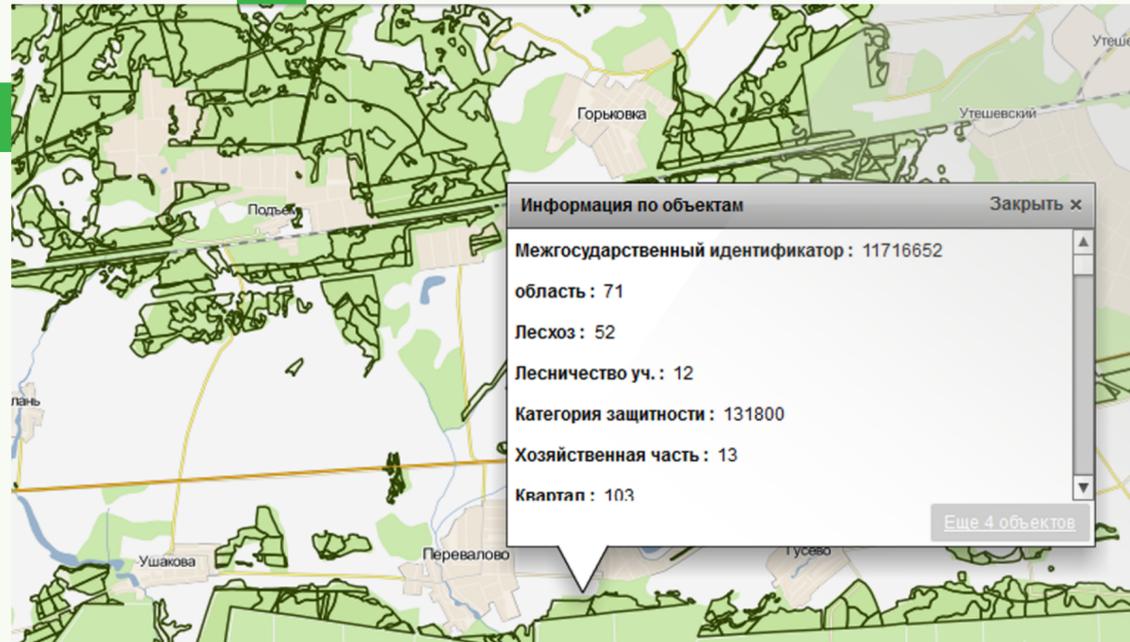
Information collection in a single system

Through the consolidation of a large data volume from different sources in a single system, the complex provides insight into objects, tasks and current events in the forestry complex.

Objects location on the map allows systematizing large data volumes, and photo/video materials facilitate the perception. Infotech Lesinform can be integrated with third-party software.



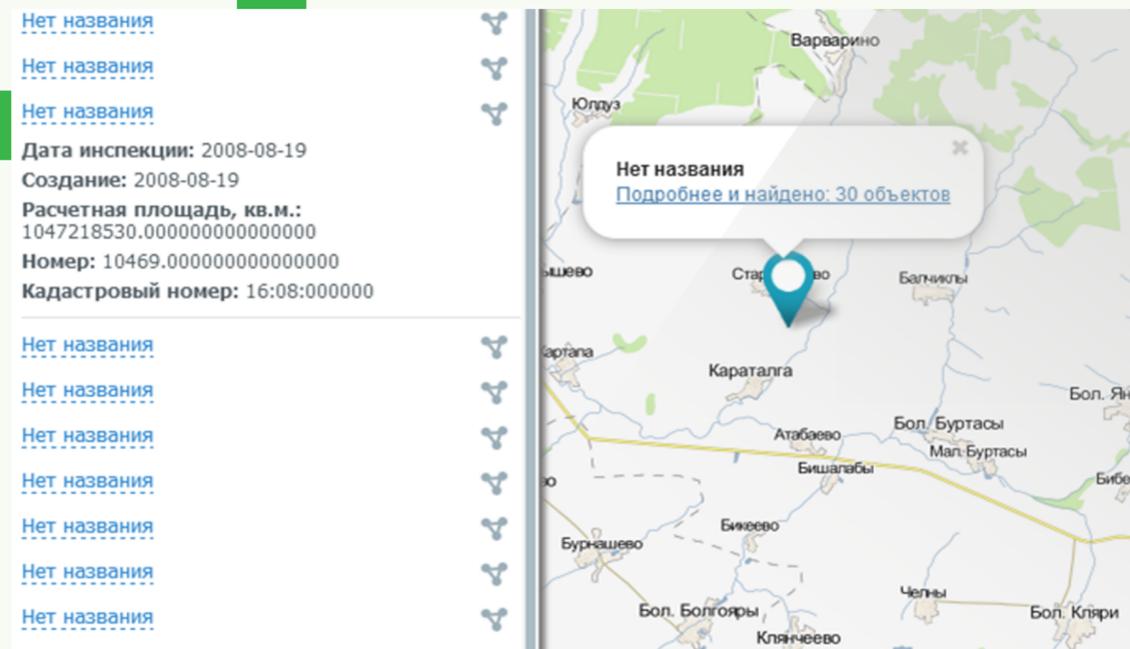
Forest resources



Infotech Lesinform displays:

- Municipal units boundaries
- Forestry and forest compartment territories
- Centers of population
- Locations of forest fire-fighting and emergency response teams
- Locations of transport and equipment units

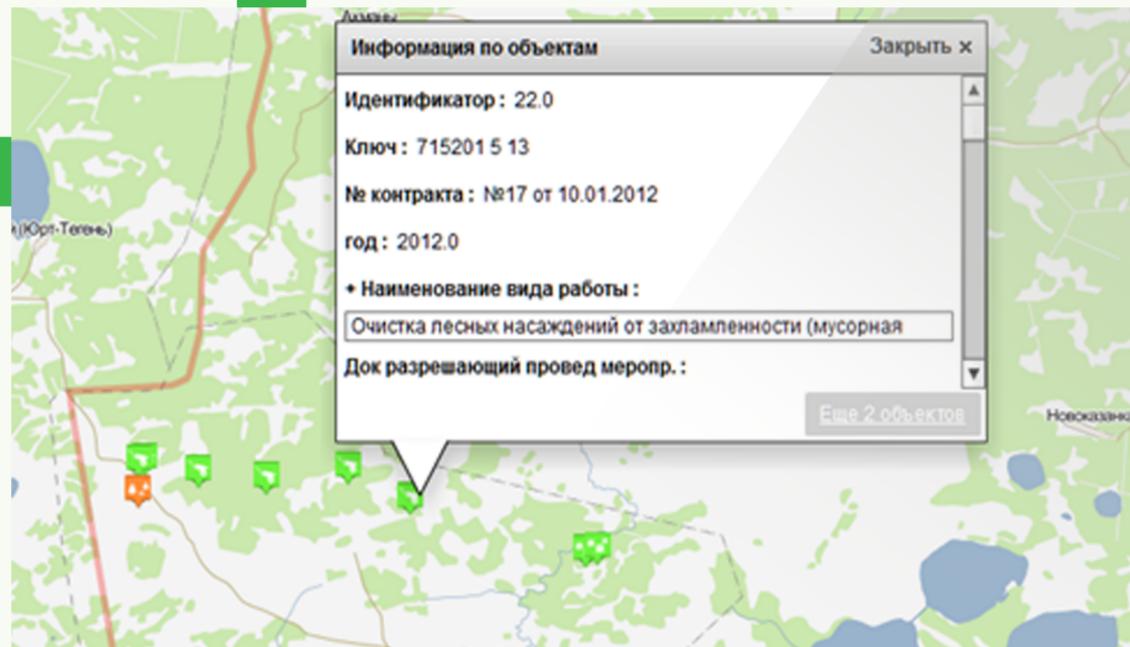
Tenants accounting



Infotech Lesinform allows for tenants accounting with a display on the map.

- Perform cadastral accounting of forest compartments
- Search for the required tenant
- Control the term of compartment lease
- Determine activity types allowed for the tenant of a land plot

Events planning and monitoring



The system allows for tasks fulfillment accounting and control. Task assignment and results acceptance through mobile applications with photo recording.

- Activities planning for the current and subsequent years
- Assignment of persons responsible for execution
- Control of operations accuracy
- Verification of the performed activities geolocation
- Generation of reports on the activities performed

Vehicle monitoring

Infotech Lesinform allows for transport monitoring, regarding, in particular, ground and air fire-extinguishing means mapped to the topographic base and mensurational description.

Reduction of spending on activities organization and POL consumption

Ensuring comprehensive control of transport units status, including their location, route, movement schedule, figures and connected sensors performance

Continuous awareness of the tracked object location and status

Improvement of staff labour discipline

Reduction of manual labour role in the document flow

Convenient reports on a transport unit (or a group of TU) performance

Complex analytics and statistics for management decision-making

Aggregation of data from different systems in a single program complex offers wide potential for analysis required for management decision-making. The availability of a single access point significantly facilitates interdepartmental interaction and document flow.

Analytics use example:

Taxational analysis allows systematizing data by trees density and their diversity, and draw a conclusion about forest resources expansion reasonability, cutting-down or other activities in the forestry.

Integrated data analysis allows drawing a conclusion about fire abundance in a certain region, and initiate measures of fire supervision improvement for the specified area.

The analysis of activities performed and messages allows for information systematizing.

System mobile use



Mobile geoportal allows the enterprise employees send corporate data in real time via iOS and Android smart phones, tablets and other mobile devices.

Mobile version of the application functions both online and offline. If there is no Internet connection, you must download the following data into the device memory in advance, in order to use the application: topographic base, forest resources data, taxation data, information about activities, etc.

Access means

Infotech Lesinform system can be used with the following technical devices:

Desktop PC

Laptop

Tablet

Smart phones (Android and iOS)



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**THANK YOU
FOR ATTENTION!**

