LasInfo | Integrated information system for national parks, nature conservation and forest management



A full-scale system supporting the organisation of work and resource planning in national parks, municipal and communal forests and experimental forestry units, covering day-to-day management in a given unit and specific tasks arising from the needs of nature conservation.

The LasInfo system is a comprehensive product consisting of several interlinked applications. It is targeted at national parks, municipal and communal forests and experimental forestry units. It provides support for forest land management and monitoring of timber harvest and sales, as well as for the implementation of tasks specified in the protection plan and nature monitoring.

The solution consists of four basic modules: the central database, the LasInfo Client application, the GIS application and the Forester's Electronic Logbook. This allows for coordinated management of elements such as nature conservation, forest management, spatial data and cadastral data. It is possible to tailor the solution to individual users by implementing only some or all elements of the system. The shared database in turn eliminates the problem of incompatibility between different systems and data formats.

Components of the LasInfo system:

- Software: centralized database, LasInfo application, LasInfo Timber Trade application, Digital Map, Nature Monitoring, Mobile GIS.
- Devices/infrastructure: server (local or "in the cloud"), network and VPN devices, mobile devices.

Functionalities of the Lasinfo system:

- property records: cadastral records, forest inventory data;
- planning (protection tasks) system: stock surveys, creation of planning items, handling of invitations to tender, register of execution (work orders, work acceptance);
- timber sales: documentation on incoming and outgoing timber, timber contracts, timber stock, forester's logbook;
- Forest protection and silviculture documents: dead wood inventory, fire registry, regeneration assessment report, natural regeneration assessment report;
- reporting of: planned works, timber sales, work orders/executions;
- numerical map: the Digital Forest Map standard, the GIS data standard in nature conservation, nature monitoring, map reporting, mobile GIS.

The system has been rolled out in 11 Polish national parks; moreover, among the LasInfo users are forestry experimental units (Murowana Goślina, Siemianice, Rogów, Krynica-Zdrój), municipal and communal forest managers and maritime offices managing forest areas.

DéTAILS

ORIGINE DU BOIS

--

TYPE DE BOIS

--

TYPE DE BOIS CONCERNé

--

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé

--

EFFET SUR LE REVENU

--

POTENTIEL D'EXPLOITATION

--

HUB

Centre-Est

IMPACT éCONOMIQUE

--

CONNAISSANCES SPéCIFIQUES REQUISES

--

POTENTIEL DE MOBILISATION

--

POTENTIEL DE DURABILITé - VALEUR

--

FACILITé D'IMPLéMENTATION

--

FACILITé D'IMPLéMENTATION - ÉVALUATION

--

PRéREQUIS CLéS

--

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE

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EFFET SUR L'EMPLOI

--

COûTS D'IMPLéMENTATION (EURO - €)

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PLUS DE DéTAILS

DéFI CONCERNé

1. Améliorer la résilience de la forêt et son adaptation au changement climatique

DOMAINE

Getsion forestière, sylviculture, services écosystémiques, résilience

TYPE DE SOLUTION

Plateforme de données, hubs de data, open data

MOTS-CLéS

nature conservation; GIS; mobile app; forest management

SOLUTION DIGITALE

Oui

INNOVATION

Oui

PAYS D'ORIGINE

Pologne

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

2009 -

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

https://www.taxusit.com.pl/lasinfo

SITE WEB DU PROJET

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RéFéRENCE DU PROJET

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RESSOURCES

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LOGO DE LA BONNE PRATIQUE

LOGO DE L'ORGANISATION PRINCIPALE

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

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