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.

DETTAGLI

ORIGINE DEL LEGNO

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TIPO DI LEGNO

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TIPO DI LEGNO IN QUESTIONE

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IMPATTO SULL'AMBIENTE E LA BIODIVERSITà

--

EFFETTO SUL REDDITO

--

POTENZIALE DI SFRUTTAMENTO

--

HUB

Polo Centro-Est

IMPATTO ECONOMICO

--

CONOSCENZE SPECIFICHE NECESSARIE

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POTENZIALE DI MOBILITAZIONE

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POTENZIALE SOSTENIBILITà - VALORE

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FACILITà DI IMPLEMENTAZIONE

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FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE

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PREREQUISITI CHIAVE

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TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO

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EFFETTO SUL LAVORO

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I COSTI DI ATTUAZIONE (EURO - €)

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Più DETTAGLI

SFIDA RISOLTA

1. Migliorare la resilienza delle foreste e l'adattamento ai cambiamenti climatici

DOMINIO

La gestione forestale, selvicoltura, i servizi ecosistemici, resilienza

TIPO DI SOLUZIONE

piattaforme di dati, hub di dati, dati aperti

PAROLE CHIAVE

nature conservation; GIS; mobile app; forest management

SOLUZIONE DIGITALE

Sì

INNOVAZIONE

Sì

PAESE D'ORIGINE

Polonia

SCALA DI APPLICAZIONE

Nazionale

INIZIO E FINE ANNO

2009 -

CONTATTI

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REFERENCES AND RESOURCES

SITO PRINCIPALE

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

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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RISORSE

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LOGO DELLE MIGLIORI PRATICHE

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

TAXUS IT INNOVATION

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

3 Dic 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
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