BayWIS



The overall goal of BayWIS was the construction of a GIS-supported information system which supports the Bavarian Forest Administration in fulfilling their tasks through recording, information, planning and analysis tools.
BayWIS therefore needs to supply and administrate professional forest data with and without special reference together with geo-basic-data and relevant professional data of other offices centrally and redundance-free.
BayWIS is directly connected to the constant optimization of professional task processes.

Qualitative goals of BayWIS are to supply a highly professional, employee-, forest owner-, customer- and citizen-friendly information & communication support. Thereby, the public conception of the completion of tasks of the forest administration is improved and the acceptance through the appliers is increased. Thereby, cost decreasing effects might be possible through the extensive bundling of the information & communication support of all tasks in the forest administration.

In March 2011, the company INTEND Geoinformatik GmbH won the tender for the project with their product WebLine Mobile (WLM). WLM is based on the mobile framework MobileADF of the company ESRI and the Windows Presentation Foundation (WPF). For BayWIS, WebLine Mobile was extended by an online-component. When using the offline version, the program relies on a local to be synchronized mapcache. In the online version, it uses the direct requests of the map pictures to the ArcGIS server. Therefore, the complete amount of geodata (incl. open geospatial consortium (OGC)-services) is available online in the statewide extent.

DETAILS

ORIGIN OF WOOD
Forest

TYPE OF WOOD
Stemwood

KIND OF WOOD CONCERNED
All assortments

IMPACT ON ENVIRONMENT & BIODIVERSITY
High positive as new tree species according soil and climate are initated

INCOME EFFECT
Positive

EXPLOITATION POTENTIAL
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HUB
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ECONOMIC IMPACT
High as there are forest systems stabilized

SPECIFIC KNOWLEDGE NEEDED
High regards referring IT-System

MOBILIZATION POTENTIAL
Medium; key advantage is the consulting for forest owners through state foresters especially for concepts for next wood generation

SUSTAINABILITY POTENTIAL - VALUE
--

EASE OF IMPLEMENTATION
Difficult IT-GIS-System

EASE OF IMPLEMENTATION - EVALUATION
--

KEY PREREQUISITES
Ready to use system for Bavaria state foresters

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED
--

JOB EFFECT
Mobilization on whole area

COSTS OF IMPLEMENTATION (EURO - €)
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MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

TYPE OF SOLUTION

Modelling, simulation, optimization

KEYWORDS

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DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

Germany

SCALE OF APPLICATION

National

START AND END YEAR

2011 -

CONTACT DATA

OWNER OR AUTHOR

REPORTER

info@intend.de

REFERENCES AND RESOURCES

MAIN WEBSITE

http://www.intend.de/produkte/webline-mobile/weblinemobile/

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY