Description of innovation

Innovation	
Title	BayWIS
Picture	
Domain	Digitalization
Source of wood	Woodland/forests
Location	Bavaria (Germany)
Implementers	INTEND Geoinformatik GmbH
Actual status	Running
Approach	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.
Main results	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.
Lessons learned	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.
Contact information	INTEND Geoinformatik GmbH Johanna-Waescher-Straße 5 34131 Kassel, Deutschland Tel.: +49561 316799-0 E-Mail: info@intend.de
Link to website	http://www.intend.de/produkte/webline-mobile/weblinemobile/
Code	IN_DE_03

Innovation assessment

Region	Bavaria
Time scale	Since 2011
Mobilization Potential	Medium; key advantage is the consulting for forest owners through state foresters especially for concepts for next wood generation
Kind of wood concerned	All assortments
Sustainability Potential	Positive
Impact on environment & biodiversity	High positive as new tree species according soil and climate are initated
Ease of implementation	Difficult IT-GIS-System
Economic impact	High as there are forest systems stabilized
Job effect	Mobilization on whole area
Income effect	Positive
Specific knowledge needed	High regards referring IT-System
Costs of implementation	Very high investment costs carried out by state
Technical readiness level	Applicable
Key information for adoption	Ready to use system for Bavaria state foresters