



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

SLOVENIAN FORESTRY INSTITUTE
NEWFOR – PROJECT PARTNER
(SFI –PP7)
October 2013

The fifth Project Report

Report Period 5:
04/2013 – 09/2013

Jaka Klun, Tina Jemec, Matevž Triplat, Robert Robek,
Milan Kobal, Nataša Milenkovič, Nike Krajnc

Fourth interim report of the project NEWFOR covers the period from April 2013 to the end of September 2013. Activities of SFI workers during this period are presented by project work packages (WP). Some activities were realized in cooperation with another Slovenian project partner Slovenia Forest Service (SFS – PP12) and Italian Project Partner Dipartimento Territorio e Sistemi Agro-Forestali – Università degli Studi di Padova (TeSAF – PP10). In fifth reporting period SFI disseminated project objectives to interested public. Analysis of LiDAR data and available ground data was taken. States of the art on different issues were preparing and analyses of different tools were started. SFI started to produce new software based on LIDAR data. Analysis of LiDAR data come to second phase – modeling inventory data and that benchmark. SFI also prepared and organize part of activities for near coming four project partners meeting in Bled in Slovenia. Issued CoE for the four RP was forwarded to leading partner; CoE for the fourth RP is still in preparation phase.

The fifth Project Report

Report period 5:

04/2013 – 09/2013

WP 2

Within WP 2 **Project Management** coordination of activities in SFI Newfor project working group, internal project meetings, preparation of 4. NEWFOR partners meeting in Bled, assignments of different tasks to workgroup members, financial reporting, and preparation of fifth progress report were realized. From 22–25 of May two persons contribute on 3 PMM in Innsbruck and presented partial results on WP4 and WP5. Received CoE from FLC for the fourth reporting period were send to LP. SFI participate and organized 2 meetings of Slovenian partners: SFI and SFS to harmonize all activities in pilot areas and during 4 project partner meeting.

WP 3

Within WP 3 **Information & Publicity** SFI started with set of activities for presentation of project objectives and expected outputs relevant for interested stakeholders and other public. A template for good practice examples was prepared and shared with SFS. A template for project newsletter – in Slovenian language was prepared. NEWFOR project is now presented also on new SFI website of department of

forestry technique and economics (<http://www.gozdis.si/projekti/newfor-alpine-space/>) SFI prepared also presentation of NEWFOR at 3rd development day of forest and wood processing sector that will be organised in the beginning of next RP .

WP 4

Within WP 4 **Forest resources & LIDAR** we analysed databases of digital terrain models. GIS spatial layers derived from that data are used in comparison analysis from standard forest sample plots and comparison. Data were also in benchmark analysis in cooperation with TU Wien.



In cooperation with PP2 we organize of UAV flight and test our pilot area. During preparation activities for potential second LIDAR recording of Leskova dolina is SFI

started activities on idea of interactive WEB application to calculate the cost of harvesting and transport of timber and also to collect calculation parameters for different forestry mechanization.

HeProMo–software has been tested with actual cost and the cost calculated with Slovenian normative. We do hope, we can compare data and results on two Slovenian PA.

WP 8

One of the objectives of WP8 **Logistical planning strategy** is to provide forest managers and decision makers with reliable information for the evaluation of technical and economical conditions for their decision–making on timber supply chain logistical planning and land use strategies.

The development of a Web–GIS tool for optimal cable layout and supplementary user friendly 3D visualization of single line layout and unified tool based on methodology are in testing phase and will be published in NEWFOR website. A cost calculation of forest operations seems to be good idea to live on as interactive tool after project comes to the end.