



Lead Partner:	<b>Národné lesnícke centrum (NLC)</b>
Project name:	<b>Inovatívne metódy inventarizácie a monitoringu lužných lesov Dunaja s využitím 3-D technológií diaľkového prieskumu Zeme/ Innovatív módszerek a Dunamenti ártéri erdők leltározására és monitorozására korszerű 3-D-s távérzékelési technológiák segítségével</b>
Project code:	<b>HUSK/1101/1.2.1/0141</b>
Activities:	<b>1, 2, 3, 4, 5</b>

Place of meeting: Hédervár  
Date of meeting: 10.-11.10.2013

## WORKING MEETING MINUTES

### THURSDAY, 10<sup>TH</sup> OCTOBER 2013

The third working meeting of the project partners was opened by Mr. Gábor Illés from ERTI who welcomed participants and informed them about organisational and technical matters (see annex 1 Workshop schedule).

The project coordinator Dr. T. Bucha thanked to G. Illés for organizing a meeting and informed participants about state of the project implementation on LP side. He informed about the aerial survey which was done during the September. Remotely sensed data were obtained and are being processed by Žilinská University.

The new product “Face of trees” – the software on LiDAR data processing was introduced to partners.

The next issue was procurement of equipment. Most of the equipment is already bought or in the process of procuring.

T. Bucha suggested organizing the international scientific INMEIN seminar in the High Tatras as the side event during the annual international conference about the forest protection, which will be held at the end of April 2014. This event would be a good opportunity to meet the Chinese delegation, which will be invited by T. Bucha within another SK-CN project.

I.Sačkov presented the first field measurements (8 from 61), which were carried out at the beginning of August 2013. The next aerial survey will be done on March 2014.

About the achievements on the Hungarian side informed G. Király (NYME) and G. Illés (ERTI).

G. Király informed step by step about all work which has been from the beginning of the project by UWH Sopron: procurements, upgraded software, participation and solving task connected with aerial survey, data processing and connection with other HU-SK DUREFLOOD project and possibilities to share LiDAR data with this project. T. Bucha is initiating the official agreement between 2 projects.

Regarding the acquired remotely sensed data there were raised several questions and notes about the data formats, reference systems and required additional data (e.g. technical report of

a flight). The INMEIN data will be available soon via FTP server for partners. The NFC is responsible for that.

G. Illés informed about procurement of technology in ERTI; about methodology of surveys, selection of model sites and the selection of inventory plots in Hungarian side (in Szigetköz) and about implementation of field investigations and measurements in selected plots and processing of data (FieldMap technology)

Discussed was derivation of dendrometric parameters and volume derivation, and exchange of developed algorithms between the research teams of NLC, ERTI and NYME.

Suggested was the exchange of these algorithms for which the meeting could be organized on 12th of December 2013 in Sopron. Project teams will prepare short descriptions of the approaches and will compare it with the others. Teams will deal with the economical efficiency of developed methods.

Financial part introduced M. Slivková, who informed about actual spending of project budget and about submitted progress reports. Discussed was the submission of the request for technical changes regarding additional area for project final conference, which could be held in the High Tatras on SK side on April 2014.

M. Vančo informed about actual publicity activities. Two big information boards were delivered to HU partners to install them in their organizations. Another issue was exchange of data through the internal site of project website.

Also the project indicators were discussed:

- a project webpage is updated
- workshop was organized during the Kick-off meeting
- flyers were printed and distributed
- information panels were placed in partners institutions
- 2 original scientific papers were published and 1 submitted
- 2 press releases (SK&HU) in the print media were published and next two should be prepared before the scientific seminar with promotional information on seminar.

JTS must be informed about the planned international scientific seminar before the event start. Participants must be informed orally about the EU financial support and publicity elements must be placed on the visible place.

#### **Steering committee meeting:**

Steering committee discussed about further cooperation within future programming period (2014-2020). Dr. Bucha presented some ideas of the project centre creation under “umbrella” of European Forest Institute. He proposed to continue „Remote Sensing based” cooperation focused on actual forestry issue as climate change, carbon balance a sequestration. G. Illés pointed out other forestry important themes. The partners after short discussion agreed to exchange in short time the idea about possible future cooperation and then finalize the commons project proposal. Such proposal could be use by all partners as starting point at negotiation, calls etc according to situation.

Concerning the project progress Dr. Z. Somogi recommended to continue preparing the drafts of outputs:

- *Proposal of the concept of surveys, selection of model sites and the selection of inventory plots*
- *Proposal and harmonisation of procedures to detect and measure the stand and tree variables between SK-HU partners.*
- *Proposal of innovative and harmonized methodological procedures of the derivation of dendrometric variables and assessment of health and ecological condition of floodplain forests in different hierarchical level (tress, stand, group of stand).*

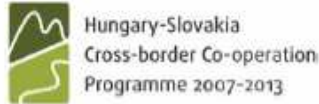
**FRIDAY, 11<sup>TH</sup> OCTOBER 2013**

Short visit of Szigetköz floodplain forest. Practical demonstration of plot establishing and measurement of dendrometric characteristic of trees on monitoring plots by use of FieldMap technology. Exchange knowledge about the project creation using FieldMAP software.

In Hédervár 11. 10. 2013



Dr. Tomáš Bucha  
Project coordinator



European Union  
European Regional Development Fund



### HUSK/1101/1.2.1/0141

Innovatív módszerek a Duna menti ártéri erdők leltározására és monitorozására korszerű 3D-s távérzékelési technológiák segítségével

Inovatívne metódy inventarizácie a monitoringu lužných lesov Dunaja s využitím 3-D technológií diaľkového prieskumu Zeme

## PROGRAMTERV – WORKSHOP SCHEDULE

Készítette – Prepared by: ERTI

A munkamegbeszélés helye – Place of workshop: Kont Panzió H-9178 Hédervár, Fő u. 29. (Térkép mellékelve – See attached map).

A munkamegbeszélés ideje – Date of workshop: 2013. 10. 10-11. – 10-11st October, 2013.

A munkamegbeszélés témája – Topic of discussion: Egy éves előrehaladás értékelése és aktuális feladatok megvitatása. – One year progress evaluation upcoming tasks.

Részletes program – Detailed program

2013. 10. 10.

- 10:00 – 10:30.: Érkezés – Arrival.
- 10:30 – 10:50.: Regisztráció, adminisztratív dokumentáció – Registration, administration.
- 10:50 – 11:00.: Kezdet – Opening (Gábor Illés)
- 11:00 – 13:00.: Első évi eredmények – Results of the 1st year. Elnök – chair: T. Bucha.
  - o 11:00 – 11:45.: Szlovák oldali előrehaladás – Achievements on Slovak side (Procurements, data acquisition, sample plot selection, status of field surveys, status of remotely sensed data etc.)
  - o 11:45 – 11:55.: Rövid hozzászólások – Short comments
  - o 11:55 – 12:10.: Kávészünet – Coffee break
  - o 12:10 – 12:55.: Magyar oldali előrehaladás – Achievements on Hungarian side (Procurements, sample plot selection, status of field surveys etc.) Megosztva NYME és ERTI között – Shared among ERTI & NYME.
  - o 12:55 – 13:05.: Rövid hozzászólások – Short comments
- 13:10 – 14:00.: Ebéd – Lunch.
- 14:00 – 16:00.: Második évi tervezés – Planning of the 2nd year. Elnök – chair: G. Illés.
  - o 14:00 – 15:00.: Sürgős szakmai kérdések és feladatok megvitatása – Discussion of urgent professional questions and tasks. (Field survey completion, data exchange, etc.)
  - o 15:00 – 16:00.: Hátralévő feladatok meghatározása, specifikációja és ütemezése – Further task definition, specification and timing.
- 16:00 – 16:15.: Coffee break
- 16:15 – 17:30.: Pénzügyek – Financial matters. Elnök – chair: M. Slivkova.
- 17:30 – 18:30.: Public relations. Elnök – chair: M. Vanco.
- 18:30 – 19:00.: Closing (T. Bucha)
- 19:00 – Vacsora – Dinner.

2013. 10. 11.

- 09:00 – 13:00.: Terepi felvételek elméletben és gyakorlatban – Theory and practice of field surveys. Elnök – chair: G. Király.
- 09:00 – 10:00.: Terepi felvételek elmélet – Field survey theoretical (indoor)
- 10:00 – 13:00.: Terepi felvételek gyakorlat – Field survey practical (outdoor)
- 13:00 – Hazautazás – leaving.