



FIELD TRIP PROPOSAL #3

THEME: Forest research and information about forests: challenges and opportunities

DATE: 13 October 2017, time 09:00 - 15:00

ORGANIZATIONS: Forest Research Institute (Polish abbreviation IBL) and Bureau for Forest Management and Geodesy

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DESCRIPTION OF THE EVENT

The participants will have opportunity to know the main research topics in Polish forestry. The organizers are going to present general information about capacity building of national research in such areas as remote sensing and Lidar measurements used in forest management and monitoring, presentation of the prevention and monitoring of forest fires, methods and results about carbon sequestration in forest soils, the progress in DNA analyses using in forestry, best practises in forest environmental education, forest inventory system in Poland and data management by Forest Data Bank. Besides the cameral presentation, there will be organised the office presentation and both in laboratories, as well as in the local forest.

The host organizations are the leaders in national forest science and inventory. The Forest Research Institute was established in 1930 and currently is subordinated to the Minister of Environment. IBL cooperates within the frameworks of IUFRO, FAO, EFI and Forest Europe. In May 2017, 239 people were employed by the Institute.

Bureau for Forest Management and Geodesy (BULiGL) is a state enterprise. It is the main contractor of forest management planning in Poland. The company consists of the headquarters and 12 branches, employing in total about 700 people.

SCHEDULE

- 09:00 – 09:10 **Welcome (IBL, BULiGL)**
- 09:10 – 09:45 The Forest Research Institute's activities, goals and tools (presentation of general information about forest research in Poland, film about IBL history and activities)
- 09:45 – 10:05 Forest fire protection system in Poland (presentation of Polish results in fire protection of forests, Laboratory of Forest Fire Protection)
- 10:05 – 10:35 Remote sensing and Lidar measurements as a tool for better forest management and monitoring - office presentation (presentation in the field of forest measurements by Terrestrial Lasers Scanner - TLS and other tools using in remote sensing)
- 10:35 – 11:00 **Coffee break**
- 11:00 – 11:45 Carbon sequestration in forest soil (presentation of analysis of carbon content in forest soil, visit in Laboratory of Natural Environment Chemistry - certified by Polish Centre for Accreditation)
- 11:45 – 12:15 Continuing in the field - Remote sensing and Lidar measurements as a tool for better forest management and monitoring (field presentation of tools using in remote sensing and Lidar measurement)
- 12:15 – 12:45 Application of DNA analyses in forestry (presentation of DNA analysis in Laboratory of Molecular Biology)
- 12:45 – 13:30 Forest environmental education (presentation the best practice in forest informal education)
- 13:30 – 14:00 General information about Bureau for Forest Management and Geodesy (presentation of general information about forest inventory system in Poland)
- 14:00 – 14:30 Forest Data Bank (the aims and scope, users of data)
- 14:30 **Lunch**



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