

FG1: Forest ecosystem monitoring:

disturbances, health and biomass assessment using hyperspectral, LiDAR data

Panel:

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Topics at the Meeting SCERIN2

- 1.National overview/general RS-based forest research trends, topics**
- 2.Methodology – quantitative or qualitative RS (multispectral, hyperspectral, LIDAR, etc.) combinations, problems to solve**
- 3.Facilities, products, data available**
- 4.Research questions/tasks (data, tools, projects support, cooperation etc.)**
- 5.Research needs/lacks (data, tools, projects support, cooperation etc.)**
- 6.List of current RS forest research projects (national, international)**
- 7.Links of projects web pages and other national forest research related links**

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Project applications in future:

- Networking:

- COST ? Volunteer for the Main Coordinator wanted

- NATO – meeting, publication

- EU: Horizon 2020, Life+, ESA, Visegrad Fund

- International projects eg NASA

-Group of interest, working groups

- climate change, C fluxes,
- forest ecosystem services
- bark beetle
- soil acidification, heavy metal pollution,
- identification of driving forces of LCLUC,
- European forest map (different scales of details)
- Forest inventory and RS definitions
- Monitoring forest health by qualitative RS,
- Monitoring forest composition, community by combining quantitative et qualitat. RS
- natural ecosystem disturbances in protected areas
- Validation of the forest cover products
- Grassland functioning, detection of grassland management

RS of forest ecosystems in Central, (Eastern) Europe - review paper ?