

# STUDY ON USER REQUIREMENTS FOR REMOTE SENSING APPLICATIONS IN FORESTRY

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## ABSTRACT:

State forest administrations in Central Europe have to adapt to future climatic and socioeconomic conditions. This results in new demands for actual and precise forest information - especially in regard to increasing forest damages by natural hazards. Therefore the data requirements of professional foresters were investigated to derive development goals for remote sensing applications in forestry. A questionnaire was sent to 655 professionals in Southern Germany and answered by 347 of them. Two third describe deficiencies in their forest information and 90 % of them expect improvements by the application of remote sensing techniques. The majority of the professionals want to be supported by a forest information system based on spatial and remote sensing data. More than 200 examples were defined for the potential use of remote sensing applications. The majority of the examples are related to the management of natural hazards and the consulting of private land owners. The mostly expected resolutions are annual forest stand data.

**TOPIC:** Remote sensing applications

**ALTERNATIVE TOPIC:** Land cover classification