

Hyperspektrale Satellitendaten für forstbetriebliche Bestandesinventuren

Objectives:

- Development methods for modelling the biophysical description of forest structure derived from hyperspectral radiation measurements.

Duration :

- 01.10.2010 – 30.06.2013

Products / Parameters:

- Leaf area index, crown cover, tree species proportions, number of stems, basal area, volume, stand height, mean crown diameter, mean diameter at breast height



Gefördert durch:



Bundesministerium
für Wirtschaft
und Technologie

aufgrund eines Beschlusses
des Deutschen Bundestages



Added Value (quantitative /qualitative):

- Operational tree species detection and characterization of forest stands.
- Derivation of important forest management variables.
- Improved estimation of timber stocks.

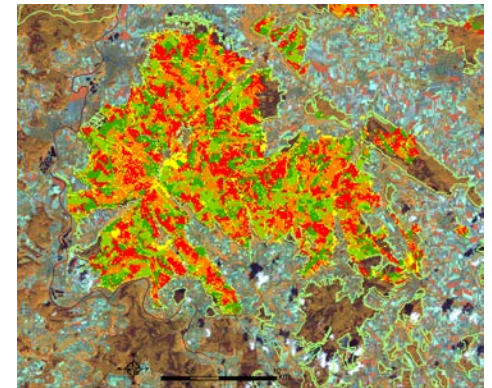
Additional:

Study sites:

- Solling, Hainich, Göttingen Forest

Remote sensing data:

- Landsat 7 ETM+
- Hyperion, CHRIS/Proba, AISA
- Digital airborne images



Solling forest stand age classes. LANDSAT7 ETM+, RGB: 4-5-3

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