

Methods for deriving functional relationships of ecosystem processes based on hyperspectral data of different spatial resolutions

Objectives:

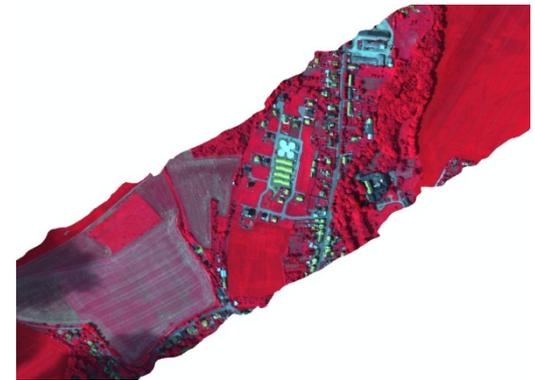
- Derive transfer functions between hyperspectral signals based on different spatial resolutions.
- Derive biophysical vegetation parameters via radiative transfer model inversion.

Project duration:

- 1st July 2010 – 31st June 2013

Products / Parameter:

- Chlorophyll content, LAI, plant water content
⇒ plant vitality



Gefördert durch:



Bundesministerium
für Wirtschaft
und Technologie

aufgrund eines Beschlusses
des Deutschen Bundestages



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Added Value (quantitatively / qualitatively):

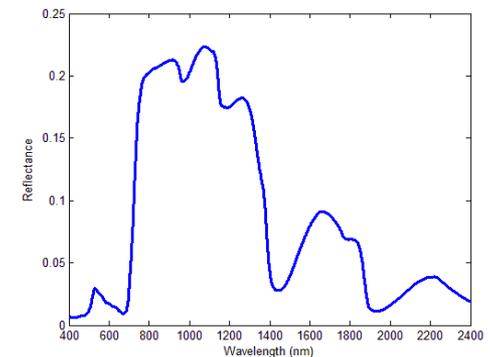
- Automated processing chain for hyperspectral data (AISA system)
- Operational derivation of biophysical parameters from hyperspectral data
- Areas of application: Monitoring of semi-natural areas, precision farming

Users:

- German Research Centre for Geosciences
University of Osnabrück

Further information:

- Harz, Köthen
- AISA dual system
- SPAD-502, ASD Fieldspec Pro 3, LAI 2000



Contact details:

Dr. Daniel Doktor,
Helmholtz-Centre for
Environmental Research – UFZ,
daniel.doktor@ufz.de,
Tel. +49 (0)341 235 1943