

# Assessment of grassland forage quality using hyperspectral remote sensing



## Objectives:

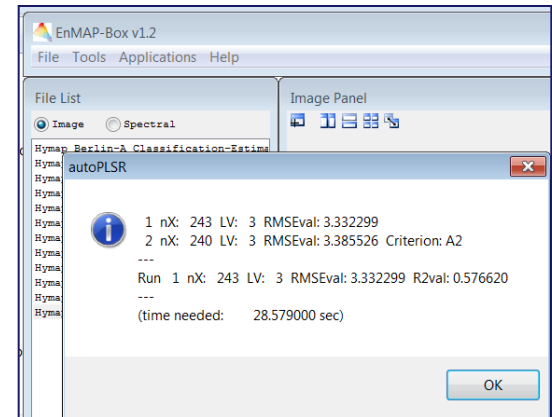
- Provision of methods for a globally distributed monitoring of rangelands using EnMAP
- Provision of algorithms for the detection of forage quality

## Duration :

- 1 Jul 2010 - 30 Jun 2013

## Products / parameters:

- PLSR added to the EnMap Toolbox
- Algorithm for the detection of forage quality
- Optimization of pre-processing for these applications



autoPLSR (S. Schmidlein) in der EnMap-Box

Gefördert durch:



Bundesministerium  
für Wirtschaft  
und Technologie

aufgrund eines Beschlusses  
des Deutschen Bundestages



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## Added Value (quantitative /qualitative):

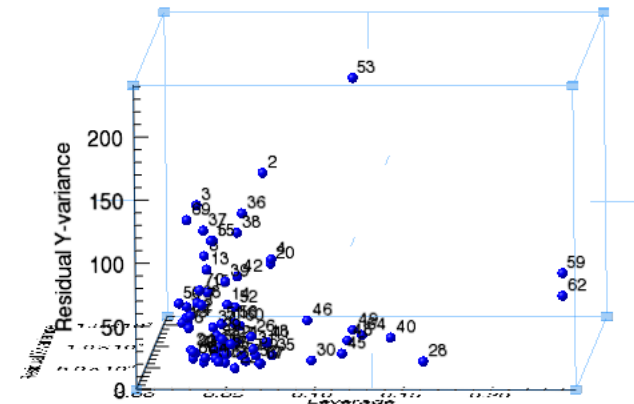
- autoPLSR with improved performance as compared to conventional PLSR (especially regarding robustness)
- Methods for an effective detection of forage quality

## Involved User Organisation:

- EFTAS Münster
- LUP Potsdam

## Additional:

- Area: Mitteleuropa, Südeuropa, Westafrika
- Data: HyMap, Apex, Aisa; reference: HFT
- Validation: test-sets, cross-validation (10-fold)



## Contact information

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