



The ENDELEO project

Development of a remote sensing derived tool to assess the impact of conservation policy measures and drought on East African ecosystems



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Introduction

- Drought in East-Africa is a natural recurrent phenomena.
But: the intensity and impact on the environment and people has increased the last decennia.
- Overexploitation and degradation of natural ecosystems results in an increased vulnerability to drought.
- Increasing interest of civil society to participate in natural ecosystems management and conservation
- Obstacles for ecosystem monitoring:
Lack of access to regularly updated information on the location and extent of changes.



Objectives

1. Enhancing the understanding of ecosystem management issues in drought vulnerable areas based on remote sensing data and ancillary data
 - Linkage between the degree and extent of ecosystems changes and their drivers
 - Evaluation of effectiveness of policy measures
2. Development of a remote sensing based monitoring tool

Focus: Rangelands and forest ecosystems

Data :

- Low spatial resolution data (AVHRR, SPOT-VEGETATION, MSG)
- Medium spatial resolution data (MODIS, MERIS)
- High spatial resolution data (Landsat, SPOT-4, ASTER)



Project flow

1. **Stakeholder workshop:** identification of drivers of ecosystem change, assessment of information needs, product formats
2. **Analysis** of RS data and ancillary data on **test cases** defined by stakeholders: How can RS data products contribute to improved ecosystem management?
3. Development of a **prototype** remote sensing based **monitoring system**
4. **Validation** of results/ evaluation of monitoring system



Stakeholder workshop

(Nanyuki, Kenya, July 2nd – 3rd 2007)



Representatives of 10 organisations (NGO, research institutes, government agency)

Work group discussions: drivers of ecosystem change, information needs, data formats, geographic area of interest





Thank you!

For more details and some preliminary results
see poster presentation