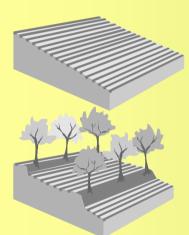
The DESIRE Decision Support System

on strategies for sustainable land management at local and regional scales





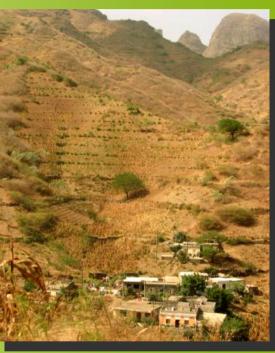












Simone Verzandvoort, Alterra, Wageningen UR Gudrun Schwilch, CDE **DESIRE** project partners









The DESIRE Decision Support System

on strategies for SLM at local and regional scales

- 1. What does it do?
- 2. How does it work?
- 3. How can it be used for decision support?

















1. What does it do?

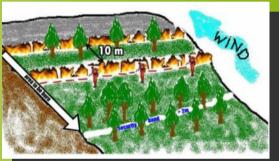
Develop and test promising prevention and remediation strategies

against desertification and land degradation

in 16 hotspot areas around the world

in a unique collaboration between local stakeholders, scientists and NGOs













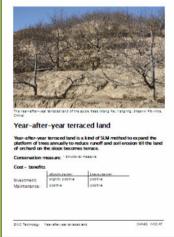


Core outputs

- Tested strategies for SLM for a range of dryland contexts, documented and shared between stakeholders
- '2 route' methodology for decision support on the remediation of desertification and sustainable land management



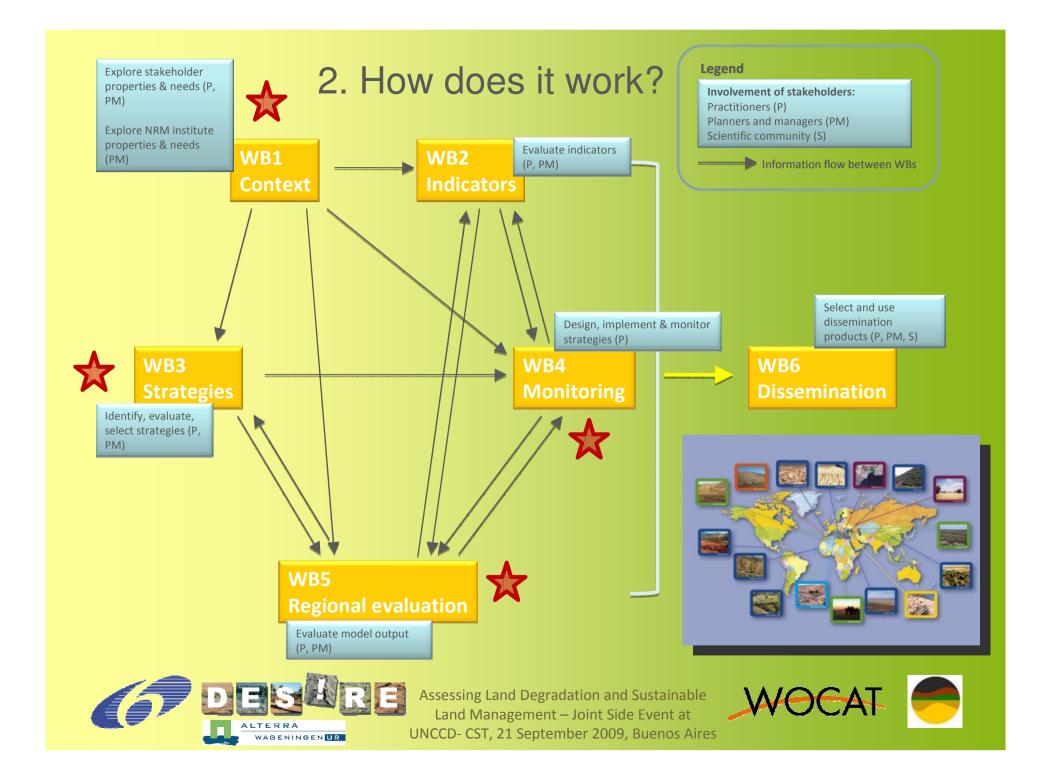












Add-ins from DESIRE into the LADA-WOCAT approach











Applying and testing the LADA-WOCAT QM approach for land degradation assessment at 'site' scale



Embedding the WOCAT framework of technologies and approaches in a 3-step methodology to identify, document and prioritize SLM strategies with stakeholders



Implement and trial strategies, and feedback results into the 3-step method, including the WOCAT database of T & A



Upscale biophysical and socio-economic effects to regions









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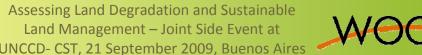


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Embedding the WOCAT framework in a 3-step method...

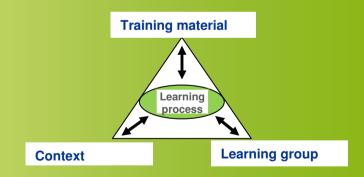
...leading through whole procedure from initiation to final decision

Based on:

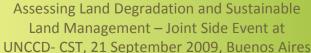
- the WOCAT database of best practices
- tools to assess and select SLM strategies
- a methodology to apply these tools within a participatory process















Concept of framework

Assessment

of locally

solutions

and ideas

strategies

for potential

Prioritize

local and

potential

further

solutions for

assessment

applied

Part I - Identification

- Stakeholder workshop 1
- Mutual learning
- Identification of current and potential solutions
- 3 days

Preparations:
Description of natural and human er
First list of actual technologies and environment approaches

(incl. photos)

ocal water and biomass cycles:

- disturbances
- · causes and impacts (natural and human) solutions

Indicators of degradation and conservation

Stakeholders

influence and motivation

Part II - Assessment

- Documentation and evaluation of 3-5 local and
- using WOCAT
- 2-3 months

Documentation and evaluation

with questionnaires

Technology T1 and Approach A1

Technology T2 and Approach A2

Technology T3 and Approach A3

Technology T4 and Approach A4

Technology T5 and Approach A5

For each T and A:

- Description, specifications and
- · natural and human environment
- · analysis (pros and cons, impact, acceptance, etc)

Review and quality assurance

Assessing Land Degradation and Sustainable Land Management – Joint Side Event at UNCCD- CST, 21 September 2009, Buenos Aires

Part III - Selection and decision

- Stakeholder workshop 2
- Selection and decision support for local implementation
- 2 days

Selection from Prepar Prelim **Techn WOCAT database** with local/potential, **DESIRE** and worldwide solutions

> Comparison and appraisal of options for local application, with weighted criteria in decision support tool

Negotiation and decision for test implementation with commitment of stakeholders

> Embedding into overall land management strategy











How it works (Part I): experience from the DESIRE project

Strengths (of methodology)

- Initiating stakeholder collaboration
- Flexibility
- Awareness of local solutions

Weaknesses

- Not enough attention to socioeconomic constraints
- Separation internal-external stakeholders
- Too quick too ,dirty'?

Challenges

- Demanding moderation
- Application in top-down contexts





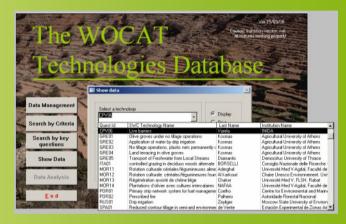


Experiences from the DESIRE project: part II

- Documented: 42 technologies and 20 approaches
- Reviewed by panel of WOCAT coordination team and other researchers
- Taken into part III in the 16 study sites (2nd stakeholder workshops)
- 14 strategies monitored in the study sites























3. How can the DESIRE system be used for decision support on strategies for sustainable land management?



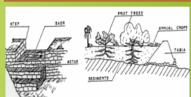








existing and potential **SLM** strategies



select

negotiate





trial and evaluate at local scale





Decision support

evaluate at regional









Conclusions: the route from local assessment to decision support in the DESIRE system

- 1. Structured process of selecting and deciding upon strategies with stakeholders is crucial for acceptance. There is evidence of the possibility to engage stakeholders in the DESIRE project.
- 2. Documentation work is demanding but enriching and gives many new insights into applied strategies, automatically including local knowledge









Conclusions: the route from local assessment to decision support in the DESIRE system

- 3. Standardized documentation allows exchange throughout DESIRE sites and worldwide. Flexibility allows for use in specific local/regional contexts.
- 4. Local field trialing in 16 study sites provides scientific basis of supposed impacts
- 5. Upscaling to regional scales provides means to expand decision support to larger areas and to simulate policy effects











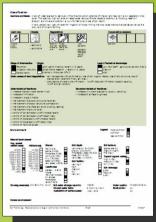


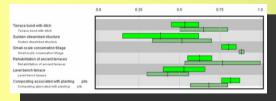


Recommendations for routes to decision support in SLM

- Work with stakeholders, including land users, (sub)national authorities and researchers
- Document and evaluate strategies; ensure review
- Enable joint selection and decision making on strategies and document this process











Recommendations for routes to decision support in SLM

- Share knowledge and experiences at the local, national and global level using harmonised tools like LADA, WOCAT and the DESIRE HIsystem
- Involve 'field-based' NGOs to guide the process to decision support based on local assessment
- Involve 'international NGOs' to disseminate key messages and methods to the international policy arena and to support the implementation of the UNCCD















For more information, visit: www.desire-his.eu www.desire-project.eu



Thank you for your attention!







