

USING LAND FOR THE BENEFIT OF ALL

Researchers collaborate with local people in
developing solutions to combat land degradation

Gudrun Schwilch
Centre for Development and Environment CDE

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Land degradation





G. Schwilch



G. Schwilch



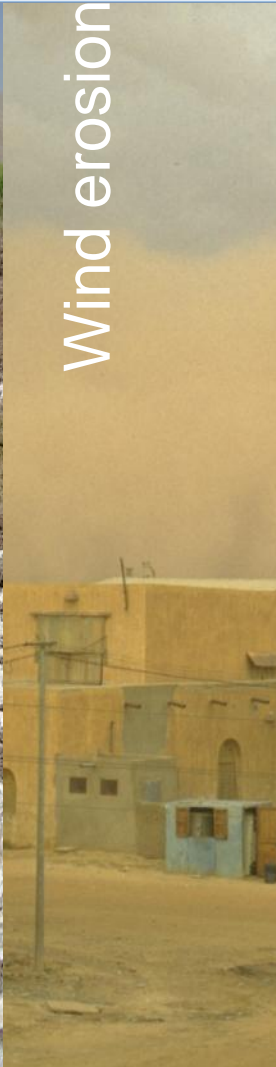


Land degradation has many faces

Salinization



Wind erosion



Degraded
vegetation



Forest fires



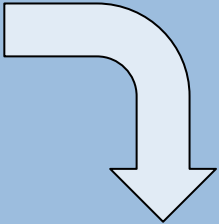
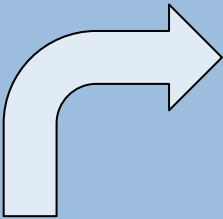
Soil compaction



Effects of land degradation



The usual way of finding solutions

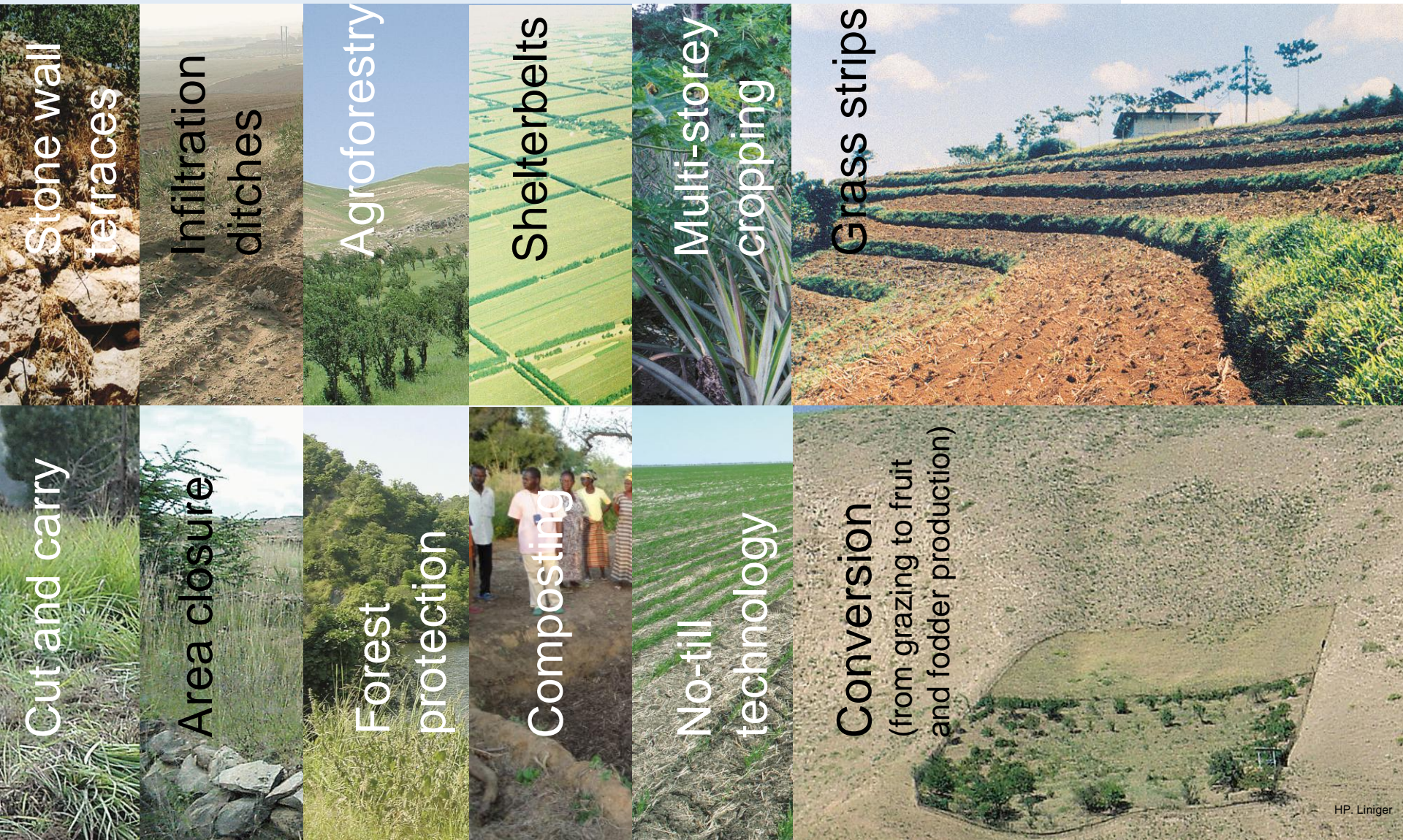


Undesired effects



K. Herweg

Local strategies and solutions



WOCAT

World Overview of Conservation Approaches and Technologies

Documents and collects examples of sustainable land management worldwide.



Sustainable land use

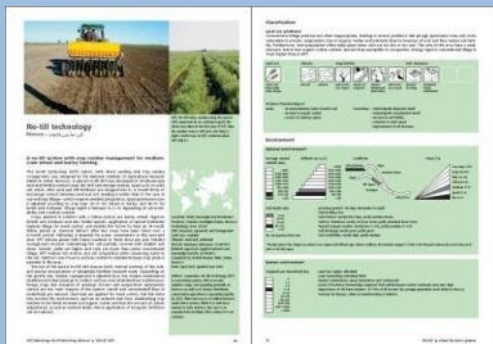
- > **economically** viable
 - > **socially** acceptable
 - > **ecologically** compatible
-
- > all involved actors agree
 - > «reasonable use»
 - > productive, physical and cultural functions
 - > meets the long-term needs

Methodology

- **Part I – Identification:**
participatory learning-based approach
(first workshop)
- **Part II – Assessment:**
standardized WOCAT questionnaire
- **Part III – Selection:**
decision support
(second workshop)



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Part I: Sharing and negotiating knowledge

young land user

experienced land user

researcher

local authority



Agricultural advisor

possible solutions

Joint field visits



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F. Bachmann

Water cycle





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Part II: Assessment of possible solutions



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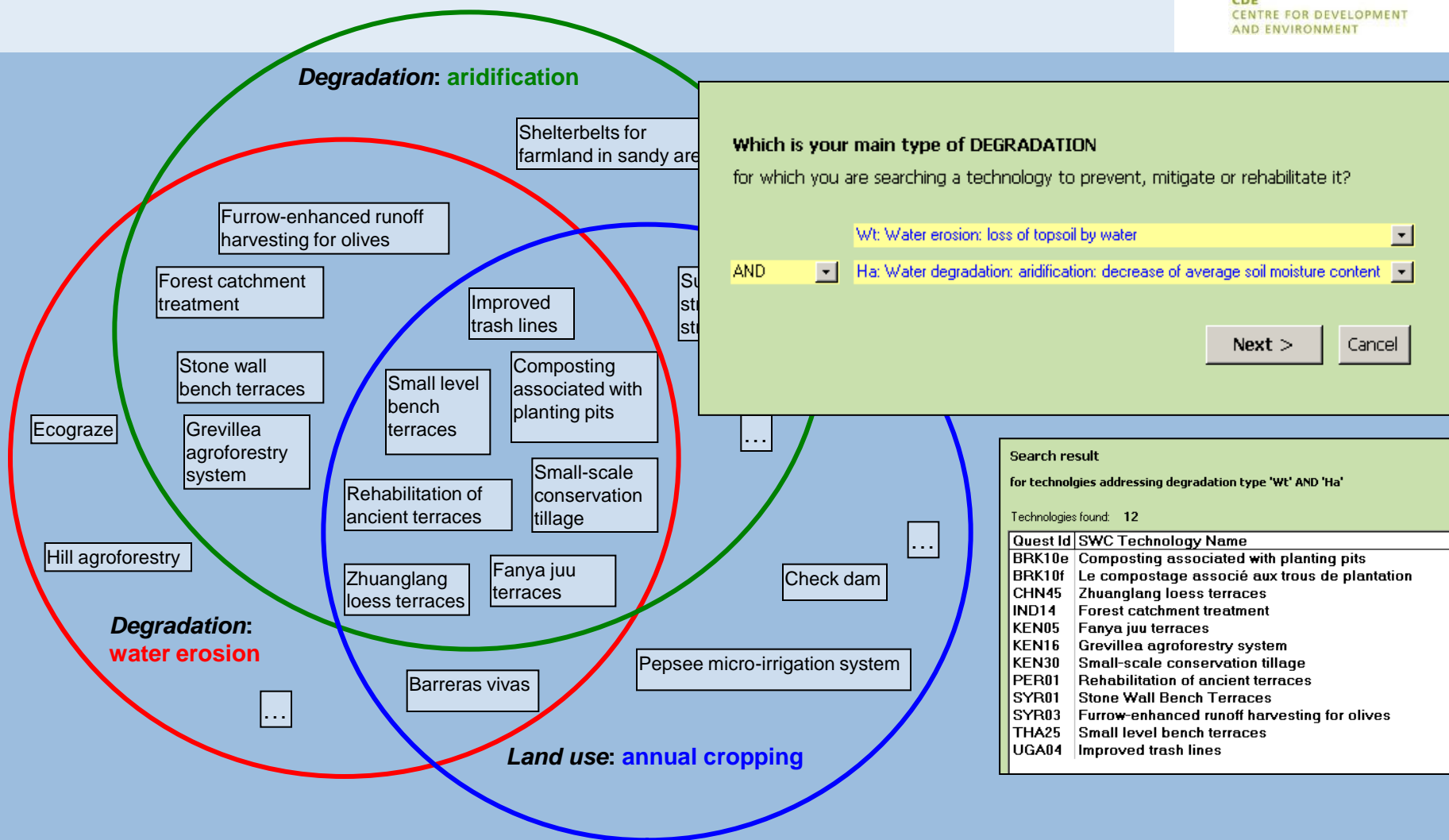
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Part III: Selection of solutions for implementation



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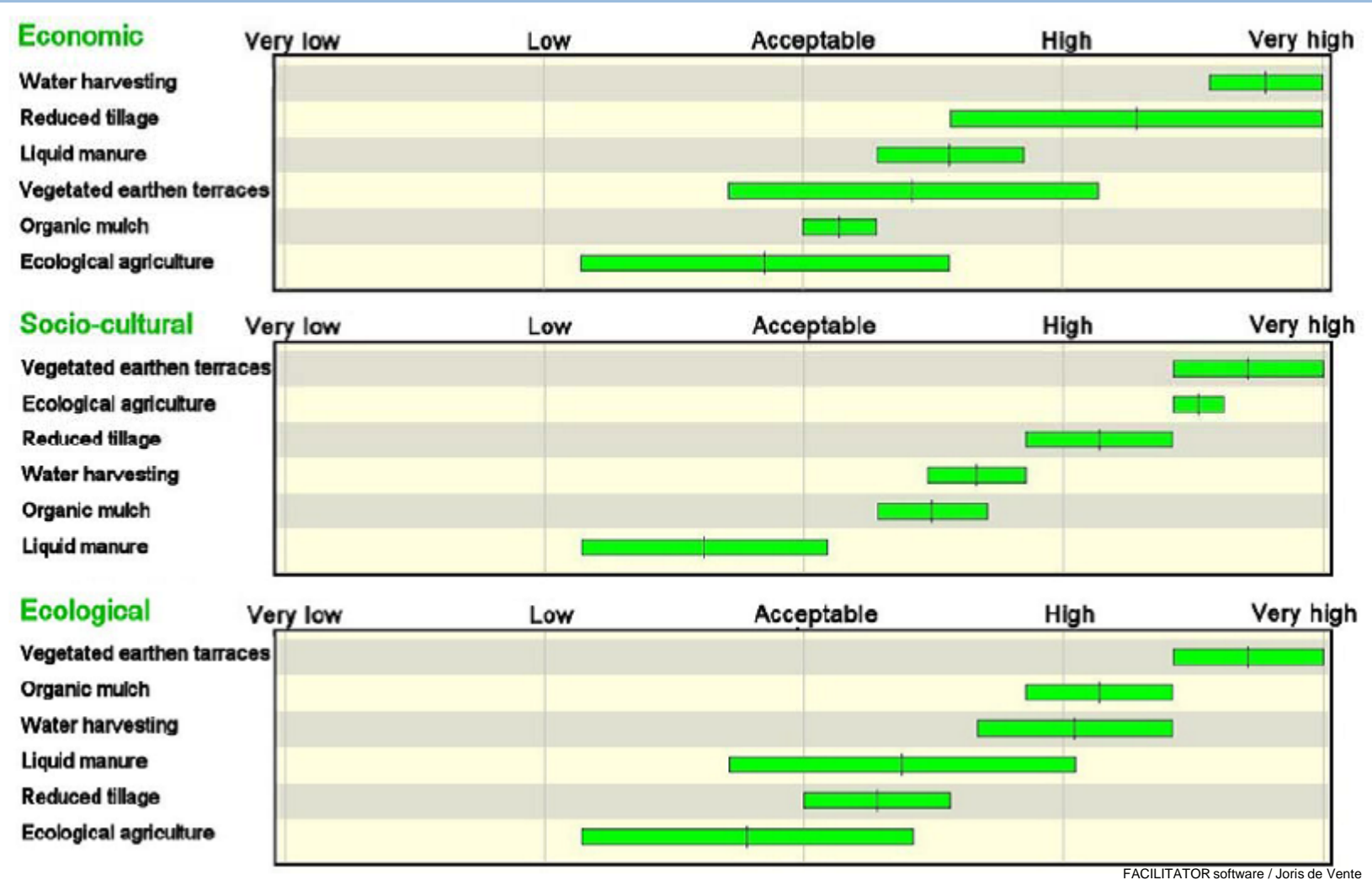
Searching for external solutions



Assessing the different options



Software «Facilitator»



Test-Implementation



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April 2009



G. Schwilch

April 2011

Research project

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UNIVERSITÄT
BERN

CDE
CENTRE FOR DEVELOPMENT
AND ENVIRONMENT

DESIRE

DESIRE:

Desertification mitigation
and remediation of land –
a global approach for local
solutions

EU FP6

www.desire-project.eu



Desertification, climate protection and biodiversity



Thank you



gudrun.schwilch@cde.unibe.ch