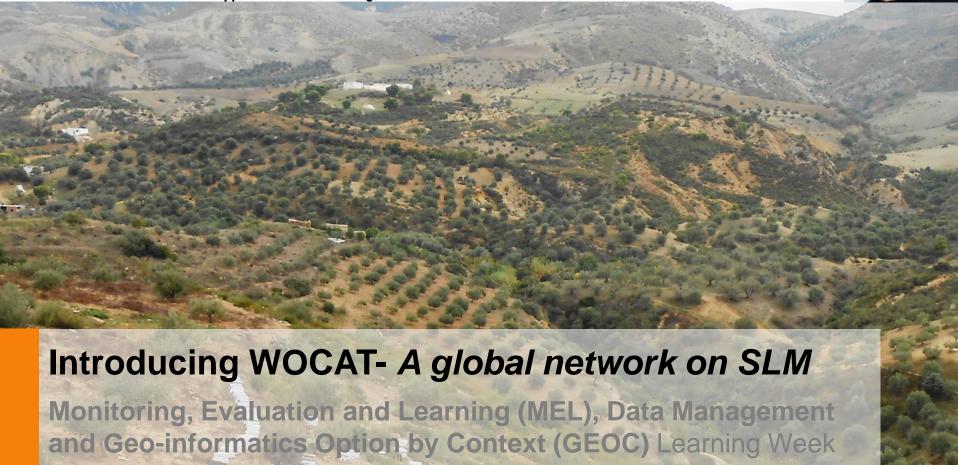


World Overview of Conservation Approaches and Technologies



5th November 2019

Tatenda Lemann

WOCAT Secretariat, Centre for Development and Environment, University of Bern, Switzerland

WOCAT is...



- ...a **global network** of specialists working in the field of **SLM**
- ...a framework for **Knowledge Management** and **Decision Support** for SLM



WOCAT's mission



... is to support innovation and decision-making in SLM

maintain global, open **SLM network**



harmonize and further develop tools and methods with partners







provide open access global SLM data repository



build capacities at local, regional and national level

with the underlying principles of:

- neutrality
- inclusiveness
- linking local land user to national/ global policy level

Main target groups



- SLM specialists at the field level, incl. technical staff, extension workers, agricultural advisors, project implementers
- SLM specialists at the (sub-)national level, incl. planners, project designers, decision makers, and researchers
- SLM specialists at the regional and global level, incl. international programme planners, and donors

Ultimate target group & beneficiaries: land users and public benefitting from more secure ecosystem services

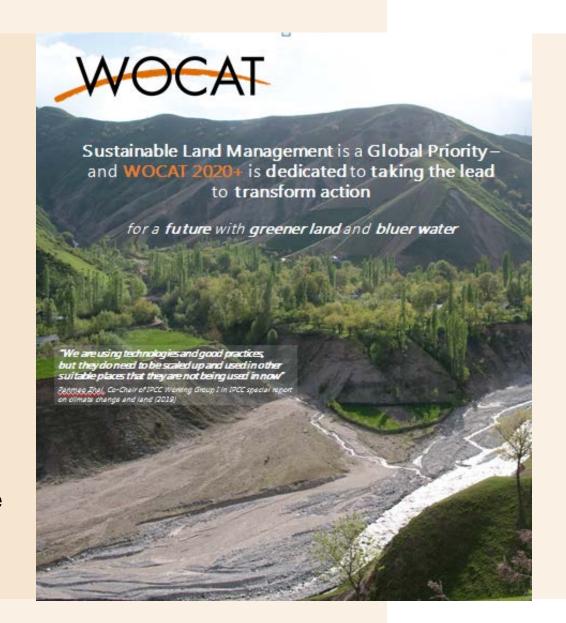


WOCAT Network





- Established in 1992
- New set-up in 2014 with 8 consortium partners
- New WOCAT 2020+ initiative in preparation







April 2016:

'Primary recommended database for the SLM best practices reporting'

Supporting the 196 members in the reporting of good SLM practices



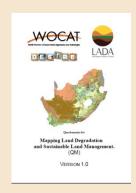


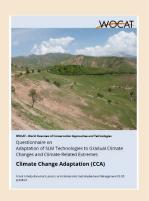
WOCAT tools and methods



of SLM









documentation, evaluation and dissemination of good practices

spatial assessment

global issues (climate change)

decision support scaling up and adoption







Solid & easily accessible WOCAT knowledge products





Questionnaires and Database



bution of SLM and land degra

for documentation and evaluation of SLM practices



Entering data in database

Data available online

An EM Technology is a lord management practice that correct load ending the correct load ending the correct load ending the correct load ending to end or other endograms services.

SLM Technologies

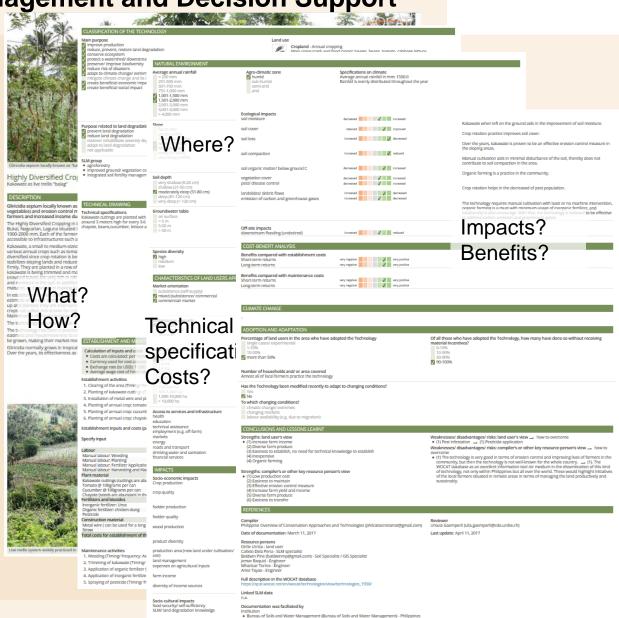
Standardized tools & harmonized products WOCAT

key for Knowledge Management and Decision Support

SLM Technology / Approach Summary

- Automatically generated
- In all languages
- Used for best practices compilations; learning materials for extension services etc.





Mapping LD & SLM





(per mapping unit)

Target 2.4 (area under productive and sustainable agriculture) &

Target 15.3 (land degradation neutrality)

Integrating knowledge in a Decision Support process



Decision Support Framework for SLM mainstreaming and scaling

of the United Nations

Module 1

Partnerships and capacity development

 \mathbf{m} Phase

Operational Strategy and Action Plan for mainstreaming and s

Review and initial strategy and action plan

Module 2 Module 4 National / Subnational Level Landscape Leve Selection Assessment Assessment of Priority Assessment of LD & S Landscapes Assessment of LD & SLM Livelihoods and natura resources Assessme Selection of SLM Bes Module 5 **SLM Territorial F** Priotization and action implementation with stakeholders

The Sustainable Land Management Mainstreaming Tool



DECISION SUPPORT FOR MAINSTREAMING AND SCALING UP SUSTAINABLE LAND MANAGEMENT



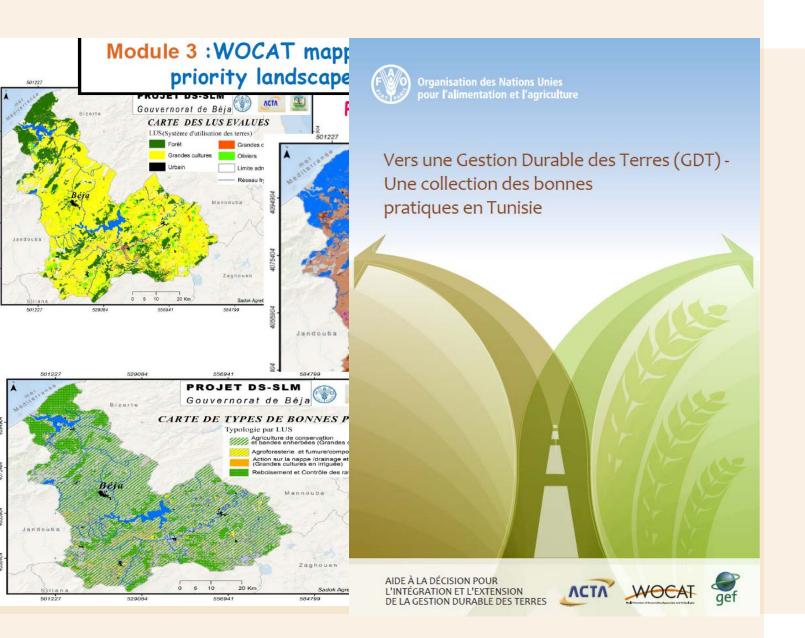


Knowledge management platform for informed decision making

Module 7

DS-SLM in Tunisia





Associated modules







WOCAT - World Overview of Conservation Approaches and Technologies

Questionnaire on

Adaptation of SLM Technologies to Gradual Climate Changes and Climate-Related Extremes

Climate Change Adaptation (CCA)

A tool to help document, assess, and disseminate Sustainable Land Management (SLM) practices

assess whether SLM Technologies are or can be further adapted to gradual climate changes and climate-related extremes.



WOCAT - World Overview of Conservation Approaches and Technologies

Questionnaire on

Watershed Management

A tool to document and assess land management practices and surface runoff

Version: 2016

assess land management / LM practices interrelations and their sum of impacts on ESS (mainly runoff)

Link between WOCAT and the Carbon Benefit Project (CBP) Tools







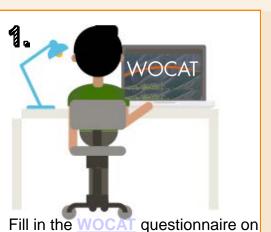


- ✓ A new version of WOCAT Questionnaire on SLM Technologies is. online -> with more drop down answers (adapted from IPCC) which can be linked with the CBP tools (www.carbonbenefitsproject.org)
- ✓ The API of the WOCAT database will be linked with the CBP. simple- and detailed assessment → Until the end of 2019
- ✓ **Approx. 60%** of the questions in the CBP Tool (Simple Assessment) can be answered automatically with the import of SLM Technology data from the WOCAT database.
- ✓ It allows WOCAT users to import a WOCAT SLM Technology entry into the CBP system to carry out a GHG assessment of their Technology.
- ✓ This makes a very **powerful tool kit** reducing the burden on users and will ultimately provide a database of GHG friendly land management technologies available globally.

Link between WOCAT and the Carbon Benefit Project (CBP)



How to use the linkage?







SLM Technologies

Automatic data transfer from WOCAT to CBP



Answer the remaining questions of the CBP tools (approx. 60% filled with data from WOCAT)





Automatic integration of the GHG assessment into the WOCAT output

Total Soil Carbon

Total Greenhouse Gas Emissions



as of 2020

from the CBP tools

Link between WOCAT and CBP



Why the Carbon Benefit Project (CBP) Tools?

- ✓ The CBP is the only GHG calculator that includes a spatial component (e.g. a map). This allows users to analyse multiple areas of land with different types of land use and management at the same time. It makes the tool ideal for landscape scale analysis and scenario planning.
- ✓ The tool set includes both a simple assessment (Tier 1) and a
 more detailed assessment (Tier 2) option where users can put in
 their own project, country or region specific emission factors.
- ✓ The CBP tools include socioeconomic tools that allow users to
 consider the economic social and cultural practicalities of
 implementing carbon friendly land management practices.
- ✓ The CBP tools are online making them available to anyone with an internet connection. No software is required.

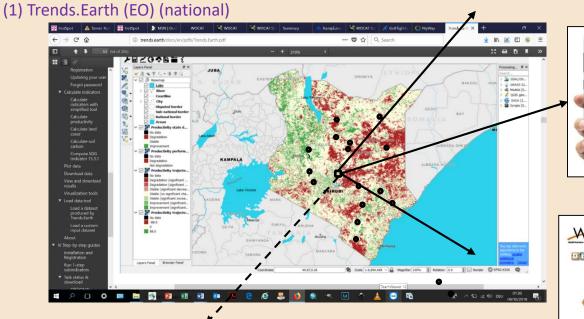
www.carbonbenefitsproject.org

New Project Tools4LDN Monitoring LDN – linking local / national / global



(2) WOCAT-UNCCD SLM BP reporting (local)





(3) Add. Data e.g. Collect Earth (FAO)

→ (local-landscape)

Quedinante for

Mapping Land Degradation
and Sustainable Land Management.

(QM)

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(3) Mobile App
LandPKS – WOCAT
light – Trends.Earth
(GEF prop 2019)
→ Crowd sourcing
(local)

(4) LADA-WOCAT mapping combined with data from (1), (2), (3), ...

→ National – landscape) (exist.)



