

Evidence-based decision support What can WOCAT offer?



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What is WOCAT?



A global, open **SLM network**



Tools and methods for SLM documentation and evaluation







A global SLM data repository



Capacity building



WOCAT: World Overview of Conservation Approaches and Technologies (www.wocat.net)



WOCAT Network

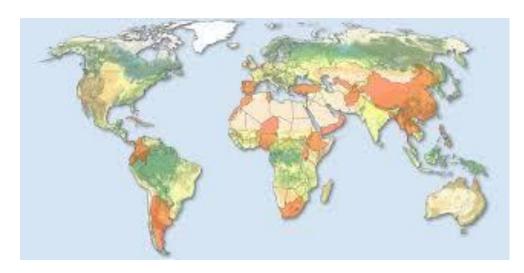


WOCAT International with eight Consortium Partners (Steering Committee)



- Established in 1992
- Biannial international network meetings
- Semi-annual steering committee meetings

WOCAT Regional / National with partners in over 50 countries and *regional hubs*

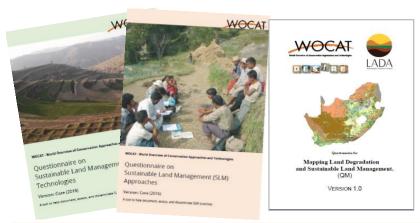


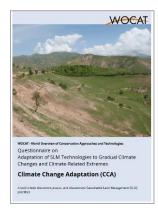




WOCAT tools and methods











Documentation, evaluation and dissemination of good practices

Spatial assessment of land degradation and SLM

Link to global issues (climate change, LDN)

Decision support at national and local level

Scaling up and adoption of SLM



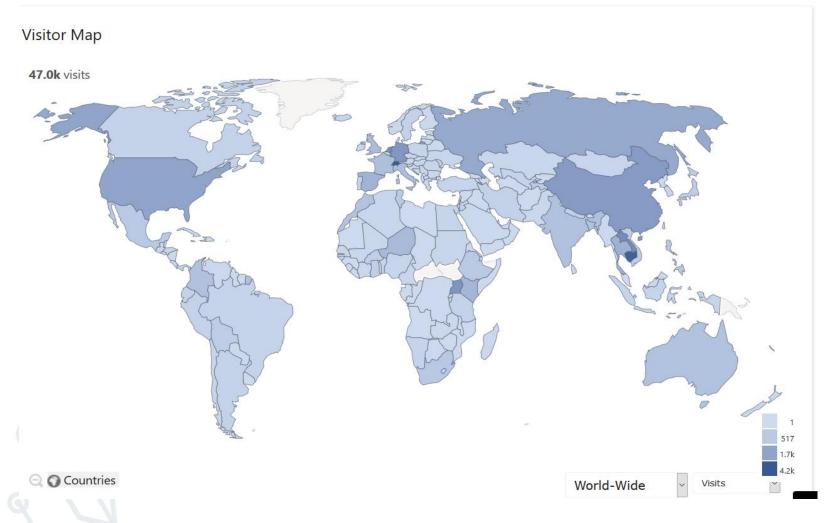




WOCAT Database



WOCAT is the primary recommended SLM database by UNCCD





Key Numbers

- 1993 SLM Practices published from 131 countries by 404 users.
 - 1085 SLM Technologies
 - 465 SLM Approaches
 - o 443 UNCCD PRAIS Practices
- 79 new practices drafted in the past 90 days.
- 62410 visits from 195 different countries since launch in August 2016.



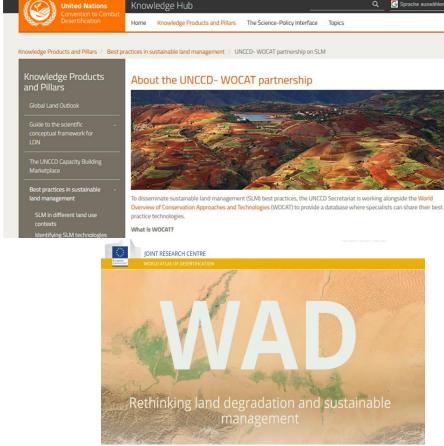
WOCAT's global position

WOCAT is now globally used and cited in major recent initiatives and publications.

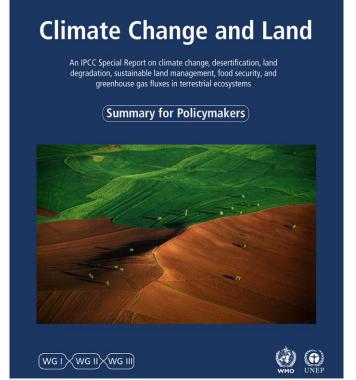
WOCAT was fundamental in the change in focus in the past 20 years from solely LD towards SLM.















Search

> Contests

> About WOCAT

> Global issues related to SLM

Climate Change Adaptation

Climate Change Mitigation

Food Security

Water Security

Biodiversity

Disaster Risk Reduction

Sustainable Development Goals

- > SLM Practices
- > Tools & Methods
- > WOCATpedia Library

→ Help

PORTAL DISCUSSION

Portal Climate Change Adaptation

All Articles on Climate Change Adaptation

Welcome to the Climate Change Adaptation Portal

In this portal you will general and focus specific articles related to the overall topic of climate change adaptation worldwide.

General articles are related to general information on climate change adaptation, e.g. overviews of the adaptation process, general adaptation measures or indicators of measurements, scientific insights on on climate change and the need for adaptation, etc.

Specific articles are related to case- or topic-specific articles on climate change adaptation, e.g. specific adaptation measures, focus on one aspect of adaptation (e.g. agriculture), case studies, etc.



Actions

WOCAT and Climate Change

(from WOCAT Technology questionnaire)

6.3 Exposure and sensitivity of the Technology to g disasters (as perceived by land users)	radual	l clim	ate cl	iange	and	clima	
ndicate gradual changes in climate and climate-related extremes nore detailed assessment, fill in questionnaire module on climate				l users	in the	e last i	
everal answers possible.							
Fick all gradual changes in climate and climate-related extremes/disasters to which the Technology is exposed	cope disa ach	How does the Technology cope with these changes and disasters in view of achieving its main purposes (as defined in 3.1)?					
Type of climatic change/extreme	very poorly	poorly	moderately	well	very well	not known	
radual climate change							
annual temperature							
seasonal temperature		_	_	_	_	_	
indicate season*:							
seasonal rainfall indicate season*:							

Climatological disasters: heatwave cold wave (any time of the year, e.g. frost) extreme winter conditions drought forest fire land fire (grass, shrub, bush)								
Hydrological disasters: general (river) flood flash flood storm surge/ coastal flood landslide / debris flow avalanche								
Biological disasters: pidemic diseases (viral, bacterial, fungal, parasitic) insect/ worm infestation (grasshoppers/ locusts/ worms, etc.) Other climate related extremes/ disasters:								
Other climate-related consequences extended growing period reduced growing period sea level rise (gradual change) other (specify):								
* For temperate, boreal, and polar/arctic climate choose: winter, i For tropics and subtropics choose: wet/rainy season, dry season. Comments:	-	, sum	mer, a	utum	r		 	
6.4 Cost-benefit analysis Refer to questions 4.5 and 4.7 (where costs for establishment and mo	ainten	ance i	have t	oeen sj	pecifie	d).	 	

How do the benefits compare with the establishment costs (from land users' perspective)?



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

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Engagement for Land Degradation Neutrality



- Collaboration with UNCCD and countries
- WOCAT is the primary recommended database by UNCCD
- Use of WOCAT tools and methods for LDN
- Capacity building
- Interface between science and implementation

LDN partners – partnerships to boost implementation of the UNCCD

























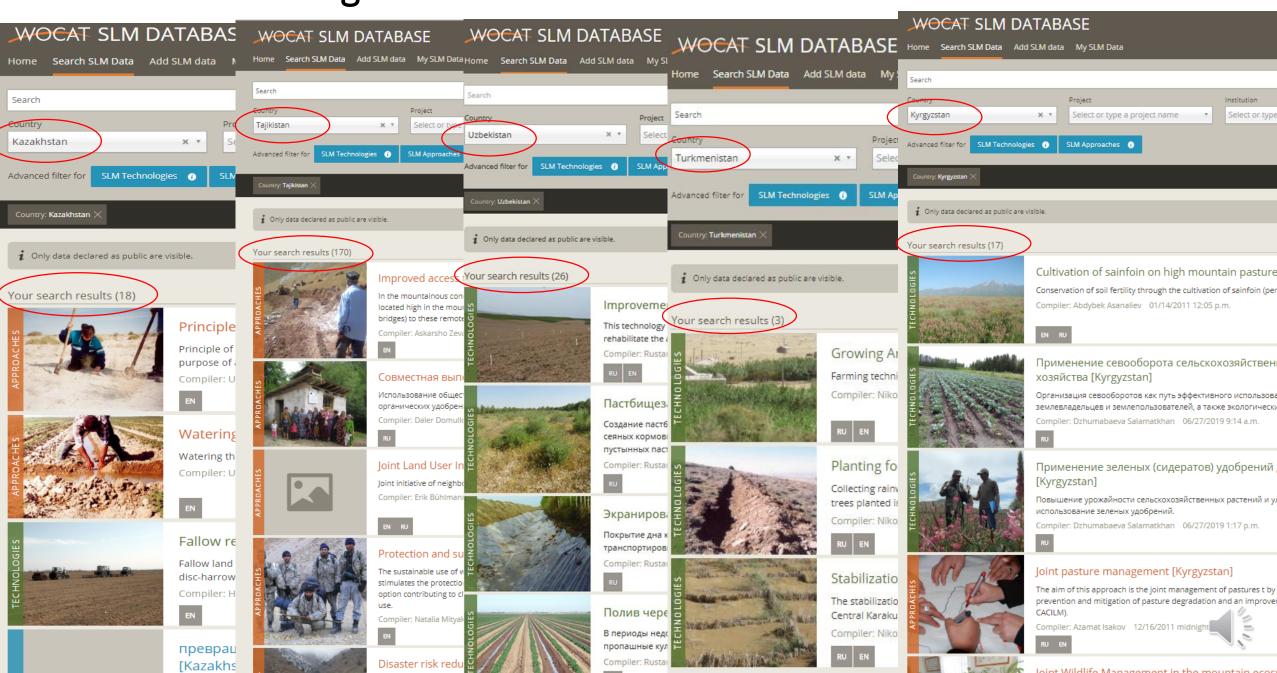








Who is using the Database in Central Asia?



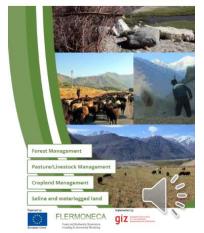
Who is using the Database in Central Asia?



- Pilot Programme for Climate Resilience Tajikistan (WB-PPCR), 'SLM Technologies and Approaches
 Tajikistan', 2011 in English and Russian.
- Environmental Land Management and Rural Livelihood Project (WB-ELMARL)
- Central Asian Country Initiative for Land Management (CACILM I), Technologies and Approaches on Sustainable Land Management in Central Asia (ICARDA, IFAD)
- Integrated natural resources management in drought-prone and salt-affected agricultural production landscapes in Central Asia and Turkey (FAO-CACILM II)
- Decision Support for Mainstreaming and Scaling up of SLM (FAO-DS-SLM)
- Forest and Biodiversity Governance Including Environmental Monitoring (GIZ FLERMONECA),
 Land Use Planning Catalogue,
- Initiative on Community-based DRR through IWSM Tajikistan (SDC), Videos: e.g. 'Good land management to reduce disasters in Tajikistan'
- Collaboration with: ICARDA, ICBA, UCA, CAMP Alatoo, Euroasian soil partnership, Central Asian Mountain Partnership (CAMP),



THE LAND USE PLANNING (LUP) CATALOGI



What can WOCAT offer





Pasture rotation in the desert areas of Uzbekistan (CACILM) (Uzbekistan)

Improvement of a livestock grazing scheme ensuring the restoration of pasture vegetation and observance of appropriate pasture loading.

As a result of the existing regulations in the pasture-based livestock production sector of zbekistan, pasture lands are provided for perpetual use to shirkat farms (large

Date of implementation: less than 10

advariation of the second of t



Off-season irrigation of fields and pastures as a mechanism for pasture improvement under climate change conditions in Southern Kazakhstan (CACILM) (Kazakhstan)
Central Asian Countries Initiative for Land Management (CACILM/MCUA/39)

creamy, and the well-being of the local population.

The problem has been solved by the public association "Kogal Sadu Shakirov Village". The canals 12 km length and 5 floodgates were restored to supply water to the area and to artificially retain soll moisture conditions through off-season irrigation during the pre-seeding period when most of the water users upstream don't need water for irrigation. The off-season irrigation allowed for the improved errowth of season contracting the contraction of the

summer.

90ha of fallow lands were moistened by local communities in the 1st year. A part of then



Location: Talas/Sadu Shakirov village,

Geo-reference of selected sites

Date of implementation: less than 10



Improved access to remote summer pasture - through infrastructure development

Union and break down of the kolkhozes and Sovkhozes in the mountainous area of In this approach participatory methods was used, where community shared labour force and the local government support with formal documentation to allow contraction of new roads and bridges. Funding was mobilized from different sources, such as donor inde governments and cometimes from the community itself

unities as members of PUUs were mobilized to serve as labour with some funding ommunities as memoers or PUUs were monitized to serve as laubout want some our orn project to access materials and means for implementation. The plan was egotiated and coordinated with the local level governmental authorities for legal emission both on improving infrastructure and use of pastures remote from villag ommunities were excited to have access to additional pasture lands, as source of the province of the provinc fodder for livestock development. Under this approach communities were motivated to plan pasture use in a sustainable way. Since the approach involves construction of roads and bridges, it involved a lot of manpower, especially during the agriculture season,

Location: Usually this approach is applicable in many parts of the country which is mainly mountainous regions a

Year of termination: n.a Type of Approach

овековой накопленный опыт земледелия показывает: бесс возделывание почти всех сельскохозяйственных растений приводит к



Применение севооборота сельскохозяйственных культур в условиях фермерского хозяйства (Kyrgyzstan)

Организация севооборотов как путь эффективного использования земель с учетом экономических интересов землевладельцев и землепользователей, а такж

В Кыргызстане вопрос деградации и опустынивания земель является актуальной сказывается на жизненном уровне населения и экономическом развити: Произошедшая в 1991 году аграрная реформа имеет положительные и отрицательные стороны. Одной из положительных сторон аграрной реформ является то, что были созданы равные стартовые условия: свою земельную и имущественную долю могли получить все, кто жил в селе – работающие, безработные, младенцы и пенсионеры, врачи и учителя. В ходе реформь хозяйств состоит из одной семьи. В стране доминируют мелкотоварные срестьянские хозяйства, которые на большие доходы рассчитывать не могут Основные затраты приходятся на производство, транспортировку и сбыт продукции. Кроме того, отсутствие знаний по обработке земель, выращивания оответствующих сельхозкультур, мелкие наделы земель, привели к негативным оследствиям, такие как, снижение калества и плодородия полям, эрозии и др цественному снижению урожайности, эрозии, загрязнению и засолению почв. В решении проблемы регулирования почвенного плодородия важная роль





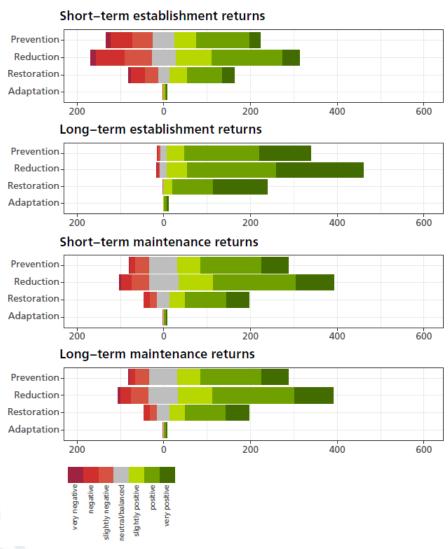


AFGHANISTAN

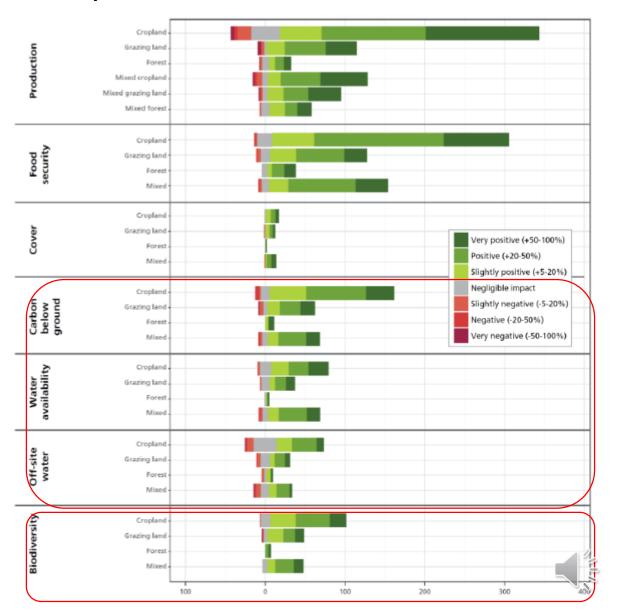
Analysis of WOCAT data



Economics of LD



Impacts on ESS





What can WOCAT offer?

To remember it is about...

- Building a knowledge base for evidence-based decision-making
- Serving as a main data layer for a national/ regional SLM platform
- Sharing knowledge of single experiences with a wide community
- Building capacities in understanding what SLM is how it functions and what it needs
- Bringing stakeholders together to create a dialogue about barriers and solutions







Thank you

www.wocat.net



