





WADI PARTNERS

FOOD SECURITY AND DISASTER RESILIENCE THROUGH SUSTAINABLE DRYLANDS MANAGEMENT IN NORTH DARFUR, SUDAN.



First published in 2016 by the United Nations Environment Programme © 2016, United Nations Environment Programme

This project was made possible by the generous contribution of the European Commission.

United Nations Environment Programme P.O. Box 30552, Nairobi, KENYA

Tel: +254 (0)20 762 1234 Fax: +254 (0)20 762 3927 E-mail: uneppub@unep.org Web: http://www.unep.org

UNEP. (2016). Wadi Partners: Food Security and Disaster Resilience through Sustainable Drylands Management in North Darfur, Sudan.

This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes without special permission from the copyright holder provided acknowledgement of the source is made. No use of this publication may be made for resale or for any other commercial purpose whatsoever without prior permission in writing from UNEP. The contents of this volume do not necessarily reflect the views of UNEP, or contributory organizations. The designations employed and the presentations do not imply the expressions of any opinion whatsoever on the part of UNEP or contributory organizations concerning the legal status of any country, territory, city or area or its authority, or concerning the delimitation of its frontiers or boundaries.

The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Cover image: © Albert Gonzalez Farran, UNAMID

Prepared by the Eco-DRR Project Team for Sudan: Niloufar Bayani, Chado Tshering, Marisol Estrella, Mohamed Siddig Suliman



WADI PARTNERS

FOOD SECURITY AND DISASTER RESILIENCE THROUGH SUSTAINABLE DRYLANDS MANAGEMENT IN NORTH DARFUR, SUDAN



LIST OF FIGURES	5 5
EXECUTIVE SUMMARY	6
INTRODUCTION TO THE ECO-DRR PROJECT IN SUDAN I.I LOCAL CONTEXT	10 18
2. MAIN HAZARDS, DEVELOPMENT TRENDS AND CHALLENGES IN THE KILIMONDO LOCALITY, NORTH DARFUR	24
2.1 HAZARDS AND CLIMATE CHANGE	26
2.2. FOOD INSECURITY AND VULNERABILITY TO DISASTERS AND CLIMATE CHANGE	27
2.3. ENVIRONMENTAL DEGRADATION AND LINKAGE WITH DISASTER RISK	28
2.4. WATER RESOURCE MANAGEMENT CHALLENGES	28
2.5. CONFLICT AND UNSUSTAINABLE NATURAL RESOURCE MANAGEMENT	29
3. MAIN COMPONENTS OF THE ECO-DRR PROJECT IN SUDAN	30
3.1 ECO-DRR FIELD INTERVENTIONS IN THE KILIMONDO LOCALITY AND INITIAL RESULTS	33
3.2 IMPROVING NATURAL RESOURCE GOVERNANCE	47
3.3 STRENGTHENING LOCAL AND NATIONAL CAPACITIES FOR MAINSTREAMING ECO-DRR IN SUSTAINABLE DRYLANDS MANAGEMENT	52
4. HOW DID THE PROJECT CONTRIBUTE TO DISASTER RISK REDUCTION?	58
4.1 IMPROVING FOOD AND WATER SECURITY	60
4.2 ENHANCING SUSTAINABLE AND EQUITABLE NATURAL RESOURCE GOVERNANCE	60
5. LESSONS LEARNED	62
5.1 ADAPTING ECO-DRR TO A DRYLANDS CONTEXT	65
5.2 COMMUNITY ENGAGEMENT	67
5.3 BUILDING PARTNERSHIPS	68
5.4 ENSURING PROJECT SUSTAINABILITY	69
6. ACRONYMS, ABBREVIATIONS & REFERENCES	70

	MAP 1. The WEK project area (shaded in blue) in relation to the Eco-DRR project activities	17
	MAP 2. Wadi El Ku is located in the Kilimondo locality, in the State of North Darf	fur 19
	FIGURE 1. Women and children of the household play an important role in farming and livestock rearing	21
	FIGURE 2. The pilot Ecosystem-based Disaster Risk Reduction (Eco-DRR) projec in North Darfur integrated sustainable drylands management, disaster risk reduction and improved ecosystem management to increase food security and community resilience to water-related hazards	t 32
	TABLE 1. Summary of Eco-DRR field interventions undertaken in selected demonstration sites in the Kilimondo locality disasters between 1990 and 2014 categorized by type of hazard	34
公 一	MAP 3. Eco-DRR field interventions in the Kilimondo locality, North Darfur	35
交连交	TABLE 2. Local and national level trainings and workshops delivered by the project	52
经验的	是在一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的	
	现在这样的"大型"的"大型"的"大型"的"大型"的"大型"的"大型"的"大型"的"大型"	
北海公	只是经过的自己的自己的。 第一次	SE
	是是是是是一个人的	少工
	のでは、一般	THE SE
		1
11-11-1		
TATACA		
The second		
47 多复	要是这个人的工作。	3
131 17	発達を変えて大きながら	
UNEP 2016 • ECO-D	DRR IN SUDAN	5

から 大学 のま

EXECUTIVE SUMMARY

Community tree nursery established by the Eco-DRR project and managed by the local women's group.

2014 © Albert Gonzalez Farran, UNAMID



In 2012-2015, the United Nations Environment Programme (UNEP) and the European Commission (EC) supported a pilot demonstration project on Ecosystem-based Disaster Risk Reduction (Eco-DRR) in Sudan. The Eco-DRR project was implemented in partnership with the National Government, the State Government of North Darfur, Practical Action, and local community-based organizations.

It aimed to reduce vulnerability to water-related hazards, in particular droughts and floods, mitigate conflict among pastoralists and farmers, and support community livelihoods through sustainable dryland management in the Kilimondo locality in the State of North Darfur. The pilot demonstration activities covered five villages (Eid El Beida, Abudelik, Waa'dha, Wad Kota and Bahr Omdurman) along a 40 km stretch of a seasonal water body, or *wadi*.

The project had three main components:

- Undertaking Eco-DRR field interventions in a drylands context, such as improved access to water, community forestry and re-seeding of degraded pastureland;
- 2. Strengthening sustainable and equitable natural resource governance, such as through the establishment of a water resources management committee, demarcation of a pastoralist migratory route and improving agricultural support services; and
- **3.** Developing local community, state- and national-level capacities for Eco-DRR implementation.

The project promoted ecosystem-based measures to mitigate water-related hazards and address

ecosystem degradation, which is one of the drivers of local conflict and vulnerability. It applied the concept of Eco-DRR in the context of drylands in order to demonstrate the benefits of Eco-DRR for livelihoods, food and water security, and disaster risk reduction. Two key aspects of disaster vulnerability reduction were addressed directly by the Eco-DRR project:

- **improving food and water security** through sustainable drylands management;
- enhancing water resource governance
 through strengthening of local and national
 capacities (including at state-level) in sustainable
 drylands management, as well as through
 mainstreaming Eco-DRR considerations in
 Integrated Water Resources Management
 (IWRM).

Given that Eco-DRR in North Darfur was implemented against a backdrop of protracted, local conflict among various groups, the project aimed to mitigate conflict between pastoralist and farming communities, through consensus-building over the use of land and water.

The project clearly demonstrated that Eco-DRR can be successfully applied in the context of drylands. While ecosystem-based measures are often perceived as exclusively green infrastructure such

预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5 15370

