

Project Closing Workshop

Harnessing Floods to Enhance Livelihoods and Ecosystem Services in Gash Area

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Outlines

- ▶ Generalities
- ▶ Research Objective
- ▶ Overview on the research project activities
- ▶ Achievements



Fund & Duration

- ▶ CGIAR research program on Water, Land and Ecosystems / IWMI
- ▶ Start date: January 2015
- ▶ Finish date: December 2016
- ▶ Allocated budget: around 99 000 US \$

Lead Organization

MetaMeta/Spate Irrigation Network Foundation,

The Netherlands

www.spate-irrigation.org



Research Objective

It aims to optimize the use of floods for agriculture and ecosystem services to support livelihoods settings in the Gash, Sudan.



12/19/2016

Beneficiaries

- Farmers
- Government officials - decision makers
- Technical experts - Investment planner
- Civil societies and community organizations
- Donors
- Research and knowledge centres

Inception Workshop

28-30 April, Kassala,
Sudan



Workshop Outputs

All research proposals as raised by the stakeholders in GAS

1. زمن الري وكمية المياه المناسبة للمحصول المحدد (15-20-30 يوم).

2. تقسيم وتسوية المساقى بتقليل مساحتها وذلك لتسهيل الري ورفع كفاءة استخدام الماء داخل الحقل.

3. تنويع المحاصيل وإدخال محاصيل نقدية تتناسب مع تقنية الري الفيضي.

4. توزيع وإدارة مياه الري أثناء الفيضان من الفم الرئيسي

5. معالجة مشكلة الإطماء بالفموم (فوتا ، مكلى ،

6. تعميم روابط مستخدمي المياه علي تفتيش هــ

7. استخدام المكننة و التقنيات الحديثه في الزر



Cont.

- The optimal allocation and distribution of Gash River's water resources considering different water uses namely:
 - Agriculture
 - Water supply
 - Groundwater recharge
 - Environmental needs
 - Etc ...



Cont.

- The availability of groundwater resources and the possible interlinkage with surface water resources
- Upstream/downstream interventions with special emphasis on the impact of the current and future upstream developments on Gash Die
- On farm water management in GAS





HARNESSING FLOODS TO ENHANCE LIVELIHOODS AND ECOSYSTEM SERVICES PROJECT

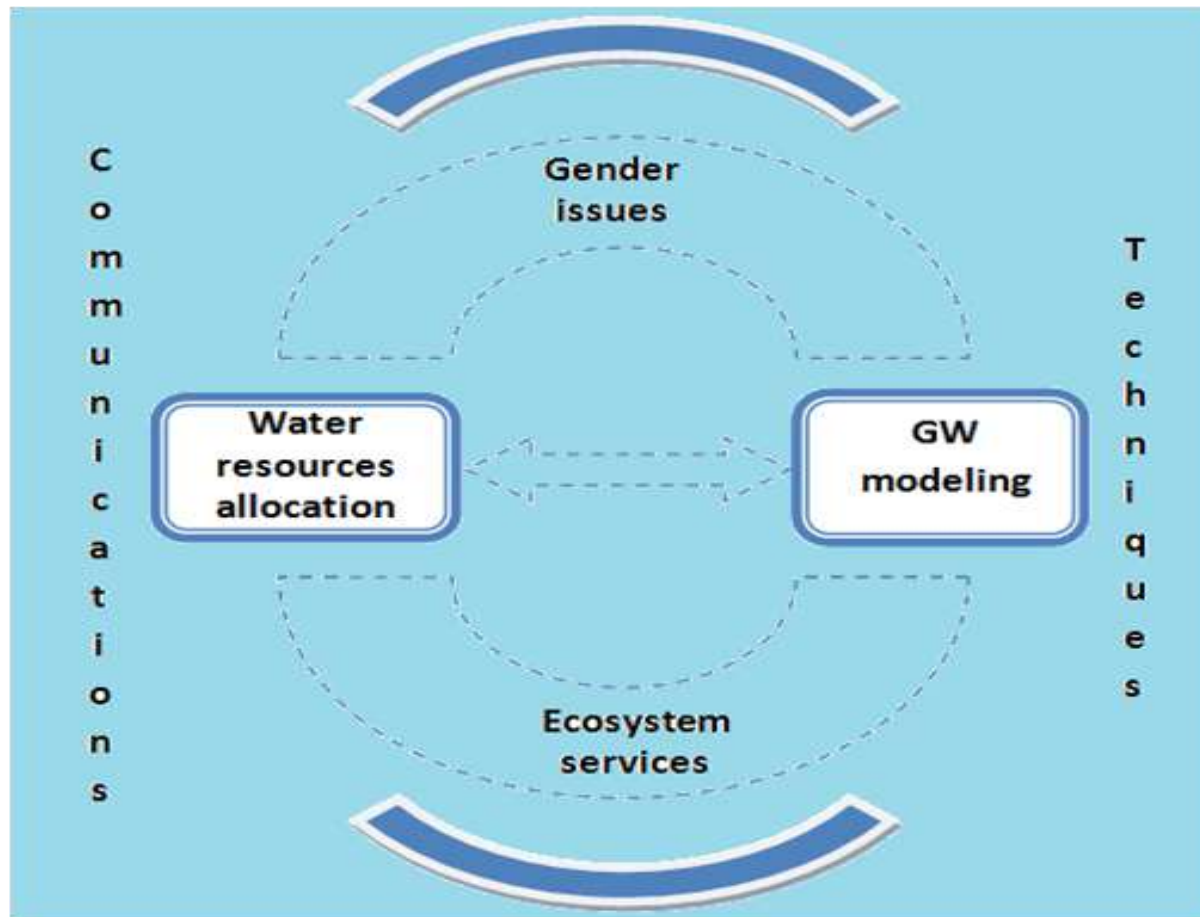
RESEARCH GUIDE FOR INCLUSIVE DEVELOPMENT

Prepared by the project team

July 08, 2015

WLE Nile Basin
and East Africa
Focal Region

Project Framework



Work Plan



REGIONAL
PROGRAM ON
Water, Land and
Ecosystems

Harnessing floods to enhance livelihoods and ecosystem services
in Gash area

Work plan 2015/ Feb. 2016

Activity	2015										20 16	Deliverables	Deliverables dates	Responsibility	Requirements
	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.				
1. Groundwater modelling:												Short report on:	Aug. 31	Eng. Kabeer	
- Reconnaissance field survey												collected reports,		Assis. hydrogeologist	
- Develop the conceptual model					#							maps, sections,		Field hydrogeologist	
Information collection and identifying gaps												satellite images			
Field survey to collect data (Gash die, etc...)												reporting outcomes	Oct. 31		
data to model												field survey/data entry			
development												Progress on model	Dec. 31		
sensitivity analysis												development/sen. analysis			
												Completed report	Feb. 29		

Project Activities



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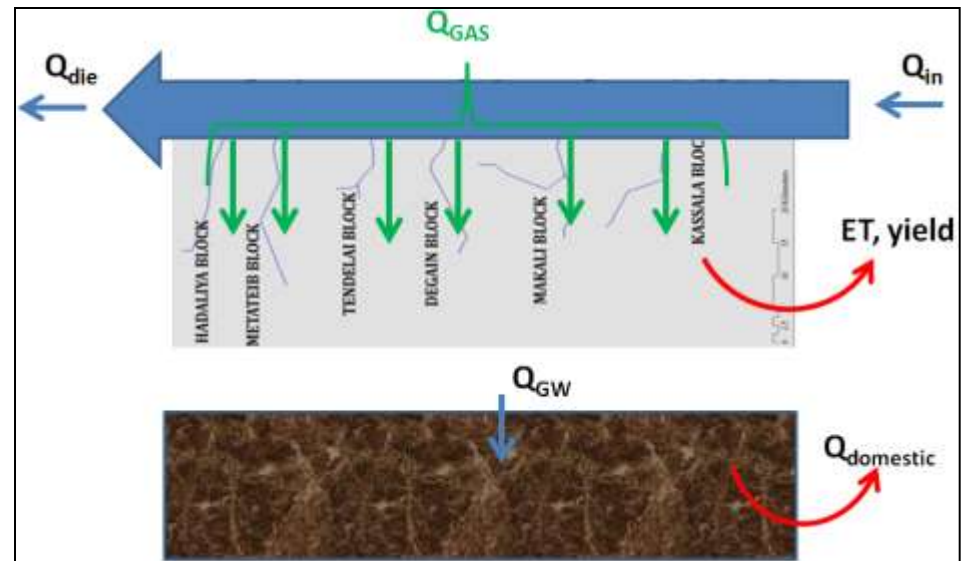
Cont.



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Achievements/outputs

- The most 'efficient' use of floods in Gash basin and what interventions can support this



Cont.

- The impact of current upstream agricultural development on downstream FBFSs and livelihoods
- The added value of including socio-economics and ecosystems perspective in investment plans in FBFS



Communication Products

Communication product	Description	Remarks
Article: Water allocation at sub-basin levels ..	Joint work with research partners	
Submission of a scientific paper to WIF2	Joint work	
Published blogs		Contribution from project staff
Videos	<ul style="list-style-type: none"> - Launch workshop - Introductory on research basic data - Final documentary video (research findings) 	The last one is under progress
Updated brochures, poster, ...	In Arabic & English	Available
Updated web page of the project	Under the HRC-Sudan website: www.hrc-sudan.sd	

Challenges Faced

- ▶ Reduction of allocated budget by 20%
- ▶ Changes in research staff based on their availability

Words of Thanks

- Donors
- International partner
- Team members & assisting staff
- National partners in Gash
- You ALL
- ...



A scenic landscape photograph featuring a body of water in the foreground, a grassy shoreline in the middle ground, and a line of trees on the left and a large tree on the right. The sky is blue with light clouds. The text "THANK YOU" is overlaid in the center.

THANK YOU

12/19/2016