

Requesting Organization : Food & Agriculture Organization of the United Nations

Allocation Type : Standard Allocation 1 (Feb 2015)

Primary Cluster	Sub Cluster	Percentage
Enabling Programmes		100.00
		100

Project Title : Somalia Water and Land Information management (SWALIM) Project

Allocation Type Category :

OPS Details

Project Code : **Fund Project Code :** SOM-15/DDA-3485/SA 1/EP/UN/2406

Cluster : **Project Budget in US\$:** 350,000.00

Planned project duration : 12 months **Priority:**

Planned Start Date : 01/03/2015 **Planned End Date :** 31/12/2015

Actual Start Date: 15/11/2015 **Actual End Date:** 14/11/2016

Project Summary : N/A

Direct beneficiaries :

Men	Women	Boys	Girls	Total
500,000	500,000	500,000	500,000	2,000,000

Other Beneficiaries :

Beneficiary name	Men	Women	Boys	Girls	Total
Aid Agencies	200	0	0	0	200
Staff (own or partner staff, authorities)	20	0	0	0	20

Indirect Beneficiaries :

Catchment Population:

Link with allocation strategy :

N/A

Sub-Grants to Implementing Partners :

Partner Name	Partner Type	Budget in US\$

Other funding secured for the same project (to date) :

Other Funding Source	Other Funding Amount

Organization focal point :

Name	Title	Email	Phone
Hussein Gadain	Chief Technical Advisor	Hussein.Gadain@fao.org	+254204000000

BACKGROUND

1. Humanitarian context analysis

Humanitarian situation in Somalia has deteriorated since the start of 2014 due to a combination of factors including delayed rains, disrupted planting season and rising food prices in south central regions affected by the on-going military offensive. Recent assessment by the Food Security and Nutrition Analysis Unit (FSNAU) indicates that the number of people facing crisis and emergency food security situation has increased to over 1 million. An additional 2.1 million people are barely able to meet their food needs and remain vulnerable to shocks that could push them back into a food security crisis. This brings the total number of people in need of lifesaving and livelihood assistance to over 3 million. Additional, to reduce vulnerability against future shocks, interventions are required to protect livelihoods and assets and strengthen the resilience of communities.

Droughts and floods in Somalia remain a major development challenge causing agricultural damage and loss and contributing significantly to the perpetual problem of food insecurity in the country.

Droughts and floods cause great suffering to the affected communities, with women and children bearing the heaviest brunt. The gains made through sustained humanitarian actions will be compromised if drought and flood risks continue to be high among affected communities, and will subsequently limit the impacts of reconstruction and development investments in Somalia.

2. Needs assessment

In the last three years, through the support of CHF and other donors, SWALIM has developed drought and flood datasets, tools and information products and services that are helping humanitarian agencies effectively address the perpetual problem of droughts and floods in Somalia. These includes a high resolution spatial database of flood prone areas on the Juba and Shabelle rivers, Spatial temporal drought severity analysis using the Combined Drought Index (CDI), the Flood Risk and Response Information Management System (FRRIMS) for the Juba and Shabelle rivers and Drought and Flash Flood Information Centres in Somaliland (NERAD) and Puntland (HADMA).

To increase the impact of these investments, a number of gaps need to be addressed. Awareness on SWALIM drought and flood datasets, tools and information products and services and their potential application to addressing drought and flood related problems should be increased among the organization involved in drought and flood interventions. The technical capacity of organizations should be improved so that they can use these datasets, tools and information products and services more efficiently. Mass media, particularly radio and mobile phone Short Message Service (SMS) should be used to reach a larger proportion of the affected communities in a timely manner.

3. Description Of Beneficiaries

N/A

4. Grant Request Justification

N/A

5. Complementarity

For over 10 years, SWALIM has addressed droughts and floods problems in Somalia. Two Early Warning centres have been established in Puntland Somaliland. Major activities include the monitoring of weather across the country through an array of weather stations, that provide near real time information. SWALIM also monitors droughts using the Combined Drought Index (CDI) which gives spatial distribution and severity of droughts. Together with HADMA and NERAD, SWALIM has developed droughts and floods contingency plans for Puntland and Somaliland. The capacity building of line ministries and other key stakeholders for disaster risk reduction information management has been built.

SWALIM continues to take lead in the Somali Flood Working Group (FWG) and has been managing the Flood Risk and Response Information Management System (FRRIMS) which is widely used to provide key information on floods along the Juba and Shabelle Rivers.

Using high resolution satellite imageries, the project has been able to map the river breakage and weak river embankments along the Juba and Shabelle Rivers.

Other activities include compilation and distribution of regional monthly weather updates and drought and flood watch bulletins as well as establishment and staffing of data centres in key ministries. Currently, there are 12 support staff working hand in hand with the Ministries of Agriculture, Water and Environment supporting natural resources information management.

LOGICAL FRAMEWORK

Overall project objective

Improved flood and drought early warning, preparedness and response in Somalia through the use of SWALIM drought and floods information products and services.

Enabling Programmes

Cluster objectives	Strategic Response Plan (SRP) objectives	Percentage of activities
N/A	N/A	100

Contribution to Cluster/Sector Objectives :

Outcome 1

SWALIM information is applied efficiently to reduce drought and flood risk and improve preparedness and response in Somalia.

Output 1

Description

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Assumptions & Risks

Indicators							
Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 1.1	Enabling Programmes	None					0
Means of Verification :							
Indicator 1.2	Enabling Programmes	Number of bulletins produced during the Gu and Deyr rainy seasons					100
Means of Verification :							
Indicator 1.3	Enabling Programmes	Number of organizations and communities receiving flood information products and services.					200
Means of Verification :							
Activities							
Activity 1.1.1							
Standard Activity : Not Selected							
Produce daily, weekly, dekadal and monthly rainfall, flood and drought bulletins including maps of the overall rainfall performance during the 2015 Gu and Deyr rainy seasons and disseminate the same through various outlets including email, radio and website.							
Activity 1.1.2							
Standard Activity : Not Selected							
Analyzing together with the flood information group (FSNAU, OCHA, FEWS NET and others) the Gu and Deyr 2015 flood information including areas inundated, affected population and infrastructure and disseminate the information through the Flood Risk and Response Management Information System (FRRMIS).							
Activity 1.1.3							
Standard Activity : Not Selected							
Continue monitoring river breakages and flooded areas during the 2015 Gu and Dery rains using satellite imagery and field verification.							
Outcome 2							
Capacity of Somaliland and Puntland disaster management agencies (NERAD and HADMA) strengthened.							
Output 2							
Description							
-							
Assumptions & Risks							
Indicators							
Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 2.1	Enabling Programmes	None					0
Means of Verification :							
Indicator 2.2	Enabling Programmes	Training workshops and on job working session					10
Means of Verification :							
Indicator 2.3	Enabling Programmes	Number of organizations supported by NERAD and HADMA on drought emergency					20
Means of Verification :							

Activities
Activity 2.2.1
Standard Activity : Not Selected
Further develop the capacity of NERAD and HADMA disaster early warning centres to monitor, analyze, interpret and disseminate drought and flood information through staff training, provision of equipments and software.
Activity 2.2.2
Standard Activity : Not Selected
Share, promote and support the use of the Somaliland and Puntland drought and flood contingency plans by all organizations working on drought and flood interventions in the two regions.
Activity 2.2.3
Standard Activity : Not Selected
Support NERAD and HADMA on the use and analysis of the strategic water sources information to address drought emergencies and response by humanitarian agencies including staff training.
Additional Targets :

M & R

Monitoring & Reporting plan

N/A

Workplan

Activitydescription	Year	1	2	3	4	5	6	7	8	9	10	11	12
Activity 1.1.1: Produce daily, weekly, dekadal and monthly rainfall, flood and drought bulletins including maps of the overall rainfall performance during the 2015 Gu and Deyr rainy seasons and disseminate the same through various outlets including email, radio and website.	2015											X	X
	2016	X	X										
Activity 1.1.2: Analyzing together with the flood information group (FSNAU, OCHA, FEWS NET and others) the Gu and Deyr 2015 flood information including areas inundated, affected population and infrastructure and disseminate the information through the Flood Risk and Response Management Information System (FRRMIS).	2015											X	X
	2016	X	X										
Activity 1.1.3: Continue monitoring river breakages and flooded areas during the 2015 Gu and Dery rains using satellite imagery and field verification.	2015											X	X
	2016												
Activity 2.2.1: Further develop the capacity of NERAD and HADMA disaster early warning centres to monitor, analyze, interpret and disseminate drought and flood information through staff training, provision of equipments and software.	2015											X	X
	2016	X	X										
Activity 2.2.2: Share, promote and support the use of the Somaliland and Puntland drought and flood contingency plans by all organizations working on drought and flood interventions in the two regions.	2015											X	X
	2016												
Activity 2.2.3: Support NERAD and HADMA on the use and analysis of the strategic water sources information to address drought emergencies and response by humanitarian agencies including staff training.	2015											X	X
	2016	X	X										

OTHER INFO

Accountability to Affected Populations

N/A

Implementation Plan

Daily, weekly, dekadal and monthly rainfall, flood and drought bulletins will be produced based on SWALIM weather monitoring network. The bulletins will then be disseminated by Radio, Email, SMS and flood information website. In collaboration with the flood working group, SWALIM will analyse flood inundated areas, affected population and infrastructure and disseminate the information through the Flood Risk and Response Management Information System (FRRMIS). River breakages and flooded areas for the 2015 Gu and Dery rain seasons will be monitored using satellite imagery and field verification. The capacity of NERAD and HADMA disaster early warning centres to monitor, analyze, interpret and disseminate drought and flood information will be further developed through staff training and provision of equipment and software. SWALIM will organize workshops to share, promote and support the use of the Somaliland and Puntland drought and flood contingency plans by all organizations working on drought and flood interventions in the two regions. SWALIM will also support NERAD and HADMA on the use and analysis of the strategic water sources information to address drought emergencies and response by humanitarian agencies. The performance of the rainy seasons will be analysed and information disseminated to a range of humanitarian stakeholders to support decision making.

Coordination with other Organizations in project area

Name of the organization	Areas/activities of collaboration and rationale
Government ministries and agencies	Production and disseminated of drought and flood bulletins

Flood information group (FSNAU)	Flood information generation and verification
OCHA	Application of drought and flood contingency plans
Government ministries and agencies	Production and dissemination of drought and flood bulletins
Flood information group (FSNAU)	Flood information generation and verification
OCHA	Application of drought and flood contingency plans

Environment Marker Of The Project

Gender Marker Of The Project

2a- The project is designed to contribute significantly to gender equality

Justify Chosen Gender Marker Code

Women and men will be involved throughout project implementation and equal representation will be ensured. Field data collection in Somalia is difficult and requires extensive and long travel distances with teams in many cases spent the nights away from their families. Given the Somali culture, participation of women in data collection or field verification is not foreseen by the project; however, most of the information dissemination, training and awareness creation activities will involve farmer women and men and those who are directly affected by floods and droughts. The SWALIM remote sensing unit that will carry out the analysis and produce and update the river breakage maps is completely managed and run by four professional women who will support the project in the training activities and transfer of skills to Somali men and women. The project will ensure all data collected is disaggregated according to gender. Analysis of the population affected by flooding will separate the number of men, women, boys and girls affected. When promoting the use of the Somaliland and Puntland contingency plan, organization undertaking interventions will be encouraged to disaggregate the population into men, women, boys and girls.

Protection Mainstreaming

Country Specific Information

Safety and Security

Access

BUDGET

Code	Budget Line Description	D / S	Quantity	Unit cost	Duration Recurrence	% charged to CHF	Total Cost
1. Supplies (materials and goods)							
NA	NA	NA	0	0.00	0	0	0.00
	NA						
	Section Total						0.00
2. Transport and Storage							
NA	NA	NA	0	0.00	0	0	0.00
	NA						
	Section Total						0.00
3. International Staff							
NA	NA	NA	0	0.00	0	0	0.00
	NA						
	Section Total						0.00
4. Local Staff							
NA	NA	NA	0	0.00	0	0	0.00
	NA						
	Section Total						0.00

5. Training of Counterparts								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
6. Contracts (with implementing partners)								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
7. Other Direct Costs								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
8. Indirect Costs								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
11. A:1 Staff and Other Personnel Costs: International Staff								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
12. A:1 Staff and Other Personnel Costs: Local Staff								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
13. B:2 Supplies, Commodities, Materials								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
14. C:3 Equipment								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
15. D:4 Contractual Services								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	
16. E:5 Travel								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total						0.00	

17. F:6 Transfers and Grants to Counterparts								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total							0.00
18. G:7 General Operating and Other Direct Costs								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total							0.00
19. H.8 Indirect Programme Support Costs								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total							0.00
20. Staff and Other Personnel Costs								
1.1	1.1.1 Water Resources Team Leader (Hydrologist)	D	1	10,000.00	2	100.00	20,000.00	
	<i>(A:1 Staff and Other Personnel Costs: International Staff) The Water resources Team Leader will take the overall lead and oversee implementation of the all activities under this project (TimeUnit: Months)</i>							
1.2	1.1.2 Operational Finance and Budget Holder Officer	D	1	7,500.00	2	100.00	15,000.00	
	<i>(A:1 Staff and Other Personnel Costs: International Staff) The operational finance and budget holder will control the operations and finances of the project including procurements, field expenses etc. (TimeUnit: Months)</i>							
1.3	1.2.1 National Consultant-Hydrologist	D	1	3,000.00	4	100.00	12,000.00	
	<i>(A:1 Staff and Other Personnel Costs: Local Staff) Thy hydrologist will be involved in organizing and supervising field data collection, analysis and reporting, under the overall supervision of the water resources team leader. The cost is only salary and does not include social security, medical and life insurance and hazard pay (TimeUnit: Months)</i>							
1.4	1.2.2 National Consultant-GIS Officer	D	1	3,000.00	4	100.00	12,000.00	
	<i>(A:1 Staff and Other Personnel Costs: Local Staff) GIS officer will do all the mapping and spatial data analysis for the project. The cost is only salary and does not include social security, medical and life insurance and hazard pay (TimeUnit: Months)</i>							
1.5	1.2.3 National Consultant-IT Officer	D	1	3,000.00	4	100.00	12,000.00	
	<i>(A:1 Staff and Other Personnel Costs: Local Staff) IT officer will be engaged in setting up, updating and maintaining the systems for data collection and analysis. The cost is only salary and does not include social security, medical and life insurance and hazard pay (TimeUnit: Months)</i>							
1.6	1.2.4 National Consultant-Operations Assistant	D	1	2,500.00	4	100.00	10,000.00	
	<i>(A:1 Staff and Other Personnel Costs: Local Staff) Operations assistant will be involved in organising all logistics for the project, especially for the field mission under the guidance and supervision of the Operational Finance and Budget Holder officer. The cost is only salary and does not include social security, medical and life insurance and hazard pay (TimeUnit: Months)</i>							
1.7	1.2.5 Drought / flood management expert	D	1	3,000.00	3	100.00	9,000.00	
	<i>(A:1 Staff and Other Personnel Costs: Local Staff) The drought and flood expert will incorporate the data collected into the field into existing SWALIM flood and drought systems, and develop related products for dissemination to the disaster management agencies. The cost is only salary and does not include social security, medical and life insurance and hazard pay (TimeUnit: Months)</i>							
	Section Total							90,000.00
21. Supplies, Commodities, Materials								
2.1	2.1.1 Satellite imagery for Gu and Dery analysis	D	1	25.00	2000	100.00	50,000.00	
	<i>High resolution satellite images will be procured for monitoring floods and river breakages over the Gu and Dyer rainy seasons. The total imagery coverage is 2,000 square kilometers. (TimeUnit: Sq Km)</i>							
2.2	2.1.2 Stationary and office supplies including government institutions	D	5	1,500.00	1	100.00	7,500.00	
	<i>This cost covers the SWALIM offices and the Somali disaster management agencies HADMA and NERAD, who will be supported to run the disaster early warning centres through provision of stationery and office supplies as per the attached BOQ. (TimeUnit: No)</i>							
	Section Total							57,500.00

22. Equipment							
3.1	3.1.1 NERAD & HADMA Drought / Flood monitoring equipment	D	2	7,500.00	1	100.00	15,000.00
	<i>BOQ attached (TimeUnit: Month)</i>						
3.2	3.1.2 NERAD & HADMA Computing equipment	D	2	6,000.00	1	100.00	12,000.00
	<i>BOQ attached (TimeUnit: Month)</i>						
3.3	3.1.3 NERAD & HADMA Data analysis and presentation software	D	2	2,500.00	1	100.00	5,000.00
	<i>BOQ attached (TimeUnit: Month)</i>						
	Section Total						32,000.00
23. Contractual Services							
4.1	4.1.1 Field data collection - Flood area verification	D	10	120.00	10	100.00	12,000.00
	<i>This cost covers floods and droughts field data collection through a contract (LOU) with the implementing partners. (TimeUnit: Field Visit)</i>						
4.2	4.1.2 FRRIMS Training workshop in Mogadishu and Nairobi	D	1	2,500.00	3	100.00	7,500.00
	<i>This covers the trainings on the SWALIM information systems.</i>						
4.3	4.1.3 Drought and Flood contingency plans workshops - Somaliland & Puntland	D	2	2,000.00	2	100.00	8,000.00
	<i>Two workshops will be held in SL and PL for the dissemination of the flood and drought contingency plans for the two regions</i>						
4.4	4.1.4 Bulk SMS software for dissemination of flood information	D	1	2,500.00	1	100.00	2,500.00
	<i></i>						
	Section Total						30,000.00
24. Travel							
5.1	5.1.1 Vehicle rent for field work	D	1	100.00	150	100.00	15,000.00
	<i>Car hire for flood and drought field data collection (TimeUnit: Day)</i>						
5.2	5.1.2 Freight and transport	D	1	2,500.00	2	100.00	5,000.00
	<i>(TimeUnit: No)</i>						
5.3	5.1.3 Perdeim and DSA	D	10	100.00	15	100.00	15,000.00
	<i>(TimeUnit: Day)</i>						
5.4	5.1.4 Air tickets	D	5	1,100.00	5	100.00	27,500.00
	<i>Covers international travel, travel between Nairobi and Somalia, and travel within Somalia as per the attached BOQ (TimeUnit: No)</i>						
	Section Total						62,500.00
25. Transfers and Grants to Counterparts							
6.1	6.1.1 Money vendor cost	D	1	200.00	10	100.00	2,000.00
	<i>(TimeUnit: No of transfers)</i>						
	Section Total						2,000.00
26. General Operating and Other Direct Costs							
7.1	7.1.1 Security cost	D	1	6,000.00	3	100.00	18,000.00
	<i>Contribution to security for the Nairobi, Garowe, Hargeisa and Mogadishu offices (TimeUnit: Months)</i>						
7.2	7.1.2 Office Rent	D	1	9,300.00	3	100.00	27,900.00
	<i>Contribution to rent for the Nairobi, Garowe, Hargeisa and Mogadishu offices (TimeUnit: Month)</i>						

7.3	7.1.3 Communication and utilities	D	1	2,400.93	3	100.00	7,202.80
<i>Telephone, internet, electricity etc for the four offices (TimeUnit: Months)</i>							
Section Total							53,102.80
SubTotal			54.00				327,102.80
Direct							
Support							
PSC Cost							
PSC Cost Percent							7.00
PSC Amount							22,897.20
Total Cost							350,000.00

Project Locations

Location	Estimated percentage of budget for each location	Estimated number of beneficiaries for each location					Activity Name
		Men	Women	Boys	Girls	Total	
Awdal -> Baki -> Abokor-Caddaawe	100						

Documents

Category Name	Document Description
Project Supporting Documents	Supplies and Commodities BOQ
Project Supporting Documents	Equipment BOQ
Project Supporting Documents	Contracts BOQ
Project Supporting Documents	Travel BOQ
Project Supporting Documents	Direct Costs BOQ