PROJECT BRIEF on the Climate Information Early Warning Systems

1.	Title/ Name of the project	STRENGTHENING CLIMATE INFORMATION AND EARLY WARNING SYSTEMS(SCIEWS) IN UGANDA	
		The Government of Uganda in partnership with the United Nations Development Programme, launched the Early Warning System (EWS) Project to strengthen the country's capability to provide timely climate information and Early warning Systems to minimize the impact of these climate-related disasters.	
2.	Background of Project	The project, "Strengthening Climate Information and Early Warning Systems project for Climate Resilient Development and Adaptation to Climate Change in Uganda" was launched on 21 st March 2014 in Mbale Eastern Uganda. The project is part of the UNDP Climate Information and Early Warning Systems Africa Regional initiative which covers 10 Countries in Africa and is funded under the Global Environment Facility's Least Developed Countries Development Fund (LDCF) for climate change. Rationale of the project: Basic components of a functioning weather, climate and hydrological monitoring system (including synoptic, agro-meteorological and hydrological stations, satellite receivers, radar and upper air stations) in Uganda have not been updated with appropriate automated equipment and have been insufficiently maintained over the last 20-30 years. Insufficient coverage of meteorological and hydrological observation stations has resulted in limited monitoring of vulnerable regions and populations, e.g. drought conditions (rainfall) are not monitored for agricultural lands, intense rainfall is not monitored in areas prone to landslides and flooding, and rapid rises in rivers are not identified as a precursor to flooding The project's main objective is to establish a functional network of meteorological and hydrological monitoring stations to help understand better the weather and climatic changes overtime and provide timely information to avert any weather and climate	
3.	Implementing arrangements	 Executing Entity/Implementing Partner: Ministry of Water and Environment (MWE) Implementing Entity/Responsible Partners: Department of Meteorology (DoM)/Ugandan National Meteorological Authority (UNMA), Department of Water Resource Management (DWRM) are the key implementing entities with the following collaborating responsible partners: Department of Relief, Disaster Preparedness and Management (DRDPM)/Office of the Prime Minister (OPM), and Ministry of Agriculture, Animal Industries and Fisheries (MAAIF). All these partners are represented on the Project Board that provides curreight to the project 	
4.	Project Cost & Donors	 The project is funded through GEF to a tune of 4,000,000 USD, and co-follows: Co-financier 1. Government of Uganda (GoU), MWE, Department of Meteorology (DoM) budget allocation 2. GoU, MWE, Joint Partnership Fund, Joint Water and Environment Sector Support Programme (JWESSP) 3. UNDP Strengthening Uganda's Disaster Preparedness and Management Capacities (SUDPMC) 4. GoU, Directorate of Water Resource Management budget allocation 5. GoU, Department of Relief, Disaster Preparedness and Management (DRDMP)/Office of the Prime Minister (OPM) budget 	Funded as US\$ 6,000,000 5,400,000 3,900,000 2,800,000 1,500,000

		allocation		
		6. German Agency for International Cooperation (GIZ)	1,264,000	
	7. MWE, World Bank (WB), Water Management and Development		1,100,000	
		Project (WMDP)	1 000 000	
		8. GOU, MAAIF, Agricultural Technology and Agribusiness	1,000,000	
		Advisory Services Frogramme (ATAAS)	400.000	
		Drought Early Warning System (DEWS)	400,000	
		10 The International Telecommunications Union and Uganda	300.000	
		Communication Commission (ITU/UCC)	200,000	
		Total	23,664,000	
5.	Project Geographical Location and duration	Scope: The project is being in Eastern and Northern Uganda focusing on the Kyoga Water Management Zone which includes the Teso, Mt. Elgon and Karamoja regions. Others include Bukedi, Busoga, Acholi and Lango sub-regions. However the entire country will benefit from the placement of automatic weather stations and automatic water level stations which will extend the geographical coverage of Uganda's weather, climate and hydrological observation network. The project is lasting four (4) years effective September 2013, and is expected to be completed by December 2014.		
		Following are the implementing and responsible partners:		
6.	Expected Results/ Outputs	 The project has two key outcome areas: 1: Enhanced capacity of the Department of Meteorology/Uganda National Meteorology Authority (UNMA) and Department of Water Resource Management (DWRM) to monitor and forecast extreme weather, hydrology and climate change. 2: Efficient and effective use of hydro-meteorological and environmental information for making early warnings and long-term development plans. Key milestones/Achievements to date: Project inception/official launch was held on the 21st March,2014; Project Board was constituted in April,2014; Project Management Unit has been established; OUTCOME 1: Enhance the capacity of Uganda National Meteorology Authority (UNMA) and the Directorate of Water Resources Management (DWRM) to monitor and forecast extreme weather, hydrology and climate change. A systematic analysis of existing and planned synoptic, agro/hydro-meteorological stations and AWSs was undertaken to inform procurement planning; Procurement of 25 AWSs (LTA) and upgrading of 32 weather stations at sourcing stage; Procurement of 16 Automatic Water Level Stations (AWLSs) and repair of 40 WLSs at Evaluation stage; A plan has been developed for integrating new stations into the existing UNMA network and linked with the DWRM hydrological network and forecasting information systems; Synergies on weather data sharing between the meteorological, hydrological and the National Emergency Coordination Center (NECOC) in the Office of the Prime Minister has enabled a more coordinated approach to dissemination of weather data; 		
		 A Cost-Benefit Analysis and Marketing of UNMA services has lorganization for better resourcing from the consolidated Fund and sector. This is a positive step towards long term sustainability of the miservices in the country; 	everaged the the Aviation neteorological	

		 Training packages and toolkits for assisting meteorologists and hydrologists to build in-house forecasting capacity in the DWRMA and UNMA has been developed; Standard Operating Procedures for sharing and disseminating weather, climate and hydrological information have been established between DWRM and UNMA; 12 synoptic stations and 28 District Disaster Management Committee members have been facilitated with smartphones and modems for faster weather data transmission to the National Meteorological Center (NMC) and the NECOC. Technical support from Kenya Meteorological Service is being utilized to restore the Uganda Fibre Optics in Entebbe; and an IT Specialist is being hired to critically analyse and address the ITC systems issues by November 2014; Sub-National Committees have been established in the 4th quarter of 2014 to reinforce linkage with communities and partners in the project area; A protocol and agreement between the DWRM and UNMA(former DoM) for sharing weather and meteorological data has been developed; A one year stock (366 sets) of upper air balloons and radiosondes were procured and delivered to UNMA and upper air sounding services have resumed. Over the past one year 6 consultancies have been conducted to assess the systems in the Uganda National Meteorological Authority (formerly DoM) and Directorate of Water Resources Management to inform preparation of specifications for procurement of equipment, civil works, equipment, goods and services. 		
7.	Key Contact Persons/Addresses of IPs and Implementing Agencies	Mr. Paul Isabirye Ag. Executive Director Uganda National Meteorological Authority (UNMA) 10 th Floor Postel Building P.O. Box 20026,Kampala, Uganda Mob: +256 772592032 Email: paul_isabirye@yahoo.com	Mr. Pascal Onegiu Okello Project Manager Early Warning Systems Project Plot 11, Yusuf Lule Road, Nakasero/ Plot 57B,Park Lane, Lower Kololo P.O Box 7184, Kampala, Uganda Mob: +256 772289156 Email: pascal.okello@undp.org	
8.	Official logos	ge ge	f Contractions	