GENERAL INFORMATION OF THE PROJECT

The Implementation Agency

Recipient : Government of the Republic of Kenya represented by

Water Resources Management Authority (WRMA), Ministry

of Water and Irrigation (MWI).

The Employer

Implementing Agent : Japan International Cooperation Agency (JICA)

The Consultants

Name NEWJEC Inc.

Project

The Project on Capacity Development for effective Name

Flood Management in Flood Prone Areas

JICA Project Team Offices

WRMA HQ NHIF Building 4th Floor; WRMA-LVSC Kisii Sub-regional Office; WRMA Athi Loitoltok Sub-regional Office; and WRMA Ewas o Ng'iro Isiiolo Sub-regional Office

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Flood Kenya

OPEN LECTURE ON COMMUNITY BASED FLOOD EARLY WARNING AND INSTALLATION OF WATER GAUGE GADGET

ments also attended.

During the lectures the participants The flower beauty of this narrative is otal role in flood early warning. The many lives! woman an observer in the upstream After the lectures Mr. Omachi and Mr. accepted an alarm to installed in her

ject Team facilitated WRUA mem-downstream. Mr. Ooi further narrated and its sensor. bers from Gucha Migori (LOGUMI that the woman observer did not need WRUA), Isiolo (Isiolo WRUA) and an accolade for her role but all she Lumi (Lower Lumi WRUA) river desired was that someone in the downbasins. WRMA staff from headquar-stream to just say thank you or show ters, the Lake Victoria South, Athi gratitude to those in the upstream who and Ewaso Ng'iro North catch-sacrifice their time to help the people in the downstream!

were taught on how to make rain the fact that there are those people gauges and river water levels gadg- who are in the shadows in the phases ets using locally available resources. of floods but yet play important roles Thereafter the participants were also in saving human lives and reducing taught on the importance of coordi- human suffering and casualties during nation between the downstream and occurrence of floods. The lesson we upstream for effective community draw from the narrative is that the litbased flood early warning. Mr. Ooi tle effort that one puts towards flood narrated a story of a woman in Costa management in area may not be recog-Rica in Latin America played a piv- nized by many but the impact touches wrund members dig trench to lay in

NE WJEC

JICA Project Team organized a home and she would warn communi- Ooi assisted communities in Isiolo and Lumi community based flood early warn- ties in the downstream to evacuate to set up the community based early warning. ing workshop in from 15th to 18th anytime the alarm rings. She added While in Lower Gucha Migori Eng. Kondo October 2014 held at KEWI in Nai- that despite of her role the communi- led a team that included WRMA-LVSC Rerobi. The keynote lecturers were Dr. ties in the downstream did not even gional and Kisii Sub-regional office that as-Omachi and Mr. Ooi from Japan. who she was! She pointed out that she sisted LOGUMI WRUA to set up and install The two had worked extensively in would meet with downstream commuthe area of disaster (flood) manage- nity members in the market but yet wherein the water level gadget was installed ment. The two lecturers had vast they did not even know who she was at Wath Onger on 5th and 19th October 2014. experience in working with the com- and the role she plays in issuance of LOGUMII WRUA members utilized the munities in Asia and Latin America. flood early warning and thereby reduc-skills they had acquired during the open lec-During the open lecture JICA Pro- ing the impacts of the floods in the ture to install the water level gauge gadget









cabling pipes that links the gadget at the river and alarm at observer's

Group photo after installation Ongrr 1KB05

Integrated Flood Management Newsletter

THE PROJECT



ON CAPACITY DEVELOPMENT FOR EFFECTIVE FLOOD MANAGEMENT **IN FLOOD PRONE AREAS**



IFM Newsletter Issue No.012

3rd February, 2014

He thereafter explained the

Nyando Project and lesson

learnt wherein he ex-

plained that the Nyando

Project implementation

was expensive and difficult

for community to imple-

ment on their own or even

He explained that Flood

the mandate of WRMA

ment Officer had been dis-

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Inside Story 5 Site visits in Japan



FIRST GUCHA MIGORI IFMC MEETING

Gucha Migori River Basin is a unique basin. Its peculiarities stems from the fact that it is a vast basin stretching across five counties i.e. Nyamira, Kisii, Narok, Homabay and Migori counties. Because of its uniqueness the preparation for the first Gucha Migori Integrated Flood Management Committee Meeting started in earnest in August 2013 and Governor and the Executive eventually the meeting was held on for Environment and Disaster that the clarified 18th December 2013 at Migori were engaged in the Migori Teachers Training College in Migori County Government Cabinet County. The meeting was attended Meeting. by various relevant stakeholders in She pointed out that the Counthe river basin.

Migori IFMC was as follows: 1) To management in the Migori and sixteen Flood Manageget understanding on flood situation County. She challenged the and flood management within Gucha education sector to incorporate Migori River Basin among the rele-flood and disaster managevant stakeholders. 2) To understand ment in the schools. She added Mr. Leonard Masafu the necessity of river basin wide flood that the Ministry of Environ-Sub-regional management plan. 3) To request relement and Disaster are engaged WRMA-LVSC vant stakeholders to assist and coopin reforestation in the County
Migori made a presenta-

Leader Eng. SAWA and JICA Chief the intended Gucha Migori Flood Management vis-à-Advisor to Project Eng. KONDO. Integrated Flood Management vis-a-vis Japan Experience. He WRMA Headquarters was represented by Flood Management Unit

Plan. She finalized her reexplained the background that the of the Lower Cooks. members i.e. Mr. NZYKO and Eng. County Government was Migori. He thereafter gave KIMANGA.

ager WRMA-LVSC made the open-ment of floods disaster. ing remarks where he described the Eng. Kondo the JICA Chief made a presentation on overview of the Lake Victoria South Advisor to the Project gave LOGUMI SC. Mr. Richard Catchment Area. He explained the the key note address where he Onsongo CAAC member importance of integrated approach in address the objective of IFMC the management of the river basin. and purpose of the first IFMC. He welcomed the stakeholders to the first Gucha Migori IFMC and thereafter gave a brief overview of the Lake Victoria South Catchment.

Ms. Everlyne Onyango representing the County Government in her opening remarks stated that the County Eng. Kondo makes key-note address



under the support of the aims at capacity development in flood management for WRMA and WRUA.

ty Government was appreciaManagement was currently The purpose of this first Gucha tive of JICA effort in flood erate with WRMA and WRUAs formulation of flood management plans. sub-regional level.

The meeting was also attended by JICA Project Team led by the Team the intended Gucha Migori made a presentation on progress of IFM Plan for Gucha Migori River Basin. Mr. Joshua Ouma made a presentation on Lower Gucha Migori the intended Gucha Migori Telestation on Lower Gucha Migori made a presentation on progress of IFM Plan for Gucha Migori made a present ready to cooperate with other the flood history in Gucha Mr. Maturwe acting Regional Man-stakeholders in the manage- Migori. Mr. Elly Onyango

from the upstream made a presentation on human activities in the upstream the impact negatively the downstream. Mr. Nzyuko made the closing remarks wherein he pointed

WRMA STAGE ONE TRAINING

held on 14th to 25th October 2013 at KEWI in Nairobi and Sunset Hotel in Kisumu respectively. It is predetermined by the Project Design Matrix that WRMA staffs be trained in effective flood management. The trainings are divided into three stages i.e. stage one trainees are trained in effective flood management. stage two the qualified trainees train other WRMA staffs and thereafter the training spreads across to all the sub-regional offices and WRUAs are also trained. The stage one training was segmented into two phases: phase one was held in Nairobi while the phase two was The training in Nairobi was theoretiheld in Kisumu.

WRMA Stage One

Training in Nairobi

and Kisumu held from

14th 25th October 2013

opening remarks.



Eng. Kinyua makes the opening remarks

cal in nature and entailed under-The training in Nairobi commenced standing the concepts in flood manin earnest on 14th October 2014 agement and modalities of achieving and the training was officially effective management of floods. opened by Technical Manager Facilitation during this phase was Stage One Participants keenly follow the lecture proceedings

WRMA Stage One Training was WRMA HQ Eng. Kinyua represent- through a workshop mode of approach which ing the Chief Executive Officer entailed PowerPoint presentations and thereafter (CEO) and the Financial Manager questions and comments from the trainees and in WRMA HQ who both made the some cases there were group discussions and thereafter group presentations.

There were also various lecturers engaged during the Stage One Training and they included leading Kenyan Professors, Japanese Experts and Project Supervisor Gucha Migori.

The participants were WRMA staffs mainly from the Flood Management Unit in the Headquarters and the three Project Areas inclusive of the Regional Offices that the Project Areas fall under.



mitigation

Raising on Flood; Planning

and design of flood damage

mitigation measures; Flood

Damage Mitigation Non-

Structural Measures includ-

ing Community Based

Measures; Flood damage

measures including commu-

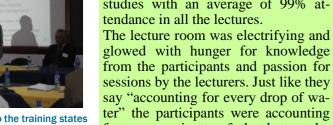
nity-based measures; Co-

Disaster Management Com-

structural

WRMA STAGE ONE TRAINING PROCEEDINGS IN NAIROBI

Nairobi the participants showed hightendance in all the lectures.



A participant to the training states his expectations

scious and to maintain some! period.





Opening Session of the training

During the entire training period in est level of discipline and more importantly they were all keen with their studies with an average of 99% at-

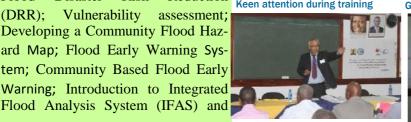
glowed with hunger for knowledge from the participants and passion for Presentation on Progress in Lumi sessions by the lecturers. Just like they say "accounting for every drop of wa- Global Flood Alert System operation and Co-ordination ter" the participants were accounting (GFAS); Evacuation Plan- between Upstream and their attentiveness, raising issues of ning; Evacuation Centre Downstream; Role of Cofor every minute of the lecture by During the Stage One concern, participating in group works Management; Capacity for operation and Coordination; Training the participants making presentations and answering Transmitting and Commuagreed to be time con- every question asked. It was awe- nication Skills; Communi- Government, WRUA and

through out the training included: Cause and effect of tive Public Awareness mittee (DDMC). floods; Understanding flood management; Flood disaster management; Rainfall observation; Rainfall Data 🥕 and Statistical Processing; Integrated River Basin Flood Management (IRBFM); Community managed Flood Disaster Risk Reduction Keen attention during training (DRR); Vulnerability assessment; Developing a Community Flood Hazard Map; Flood Early Warning System; Community Based Flood Early Warning; Introduction to Integrated



cation on Desired Infor-DDMC; Role of District high level of disciple The modules covered during stage one mation to Schools; Effec-







Presentations after Group discussion

The training in Kisumu was held at Sunset Hotel and it involved both theoretical and practical engagement. In theory sessions the participants were given lectures on effective flood management and the lecturers used Power-

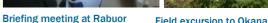
Thereafter a field excursion exercise on community flood hazard mapping was carried out. The Winam WRUA played host to the training wherein the WRUA benefited by being part and parcel of Community Flood Hazard

Point Presentation mode.

Map development. The areas visited that fall under the jurisdiction of Winam WRUA were Okana and Nyamware areas and two Community Flood Hazard Maps for the two areas were developed.

There was also a site visit to rainfall station at Ahero National Irrigation Board Compound and also observation of high flow measurements at R. Nyando. The participants also visited Kamagaga Evacuation Centre a structural measure constructed under the Japan Grant Aid Nyando Project.









Sketching of hazard map on ground Transfer of map to manila paper

TRAINING IN JAPAN

WRMA STAGE ONE TRAINING PROCEEDINGS IN KISUMU

Disasters mainly earthquake, Tsunami and floods have occurred in Japan over centuhas not led to submission of the people but in the spirit of the nation and her people one of the most developed noted: nation in the world.

Therefore the training in Japan by WRMA staffs on Efwas timely.

tailed of 20 staffs from context, "The welcome was

WRMA including 3 mem- very warm and the staff bers from the WRUA. Dur- had prepared everything it ing the training in Japan the made us forget the jetlag ries. This disaster occurrence participants were taken to we were all suffering various sites in Japan but from. Fast forward and the during the sites visits there next day some of us were observations that indimissed breakfast and Group Photo during Japan has exerted resilience cated culture shock and the that was lesson number that has seen the nation ris- amazement of the melting 1: that in Japan, allocated ing up from the horrors of pot characteristics of Tokyo time for activities is stricthistory of disaster to become City. The following were ly adhered to!" Mrs. Eliz-

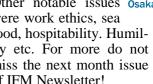
A) Timeliness which is a strong characteristics of Japan the City Shuttle leave on fective Flood management time and the smallest delay by a passenger means miss-The training in Japan ening the Shuttle! Let's put in a

abeth Diego.

Other notable issues Osaka train sta were work ethics, sea food, hospitability. Humility etc. For more do not miss the next month issue of IFM Newsletter!









SITE VISITS IN JAPAN

your copy!

that in each of their offices for the class A rivers managed there

The training in Japan was characise Disaster Information system that comterized with numerous site visits. prises of equipped offices with Fibre op-In the next month Issue of the tic cables, CCTV, C-Band radar ,TV came in ice. More will be in the next is-IFM Newsletter Training in Ja-broadcasts. Data collected is real time sue of this newsletter but I leave you pan will be revisited. Do not miss which is relayed on the screens in the with this quote: "The greatest lesson is office this has empowered the Japanese From Tokyo to Osaka we made in management of all kinds of disasters enhancement of disaster prevention several site visits to rivers, dams, without causing wide spread destruction. with focus on ability by people needs; museums, forest and had a close The management of rivers in Japan is an- 'ji jyo' 'kyo jo' 'ko jyo' meaning " myview of Mt. Fuji on our way chored in River Law which is adhered to by self" each other" public" from Tokyo to Osaka in a Shin-kasen. A site visit to Arakawa the citizens and implemented to the letter. For every river there is a dedicated river mu-

river and we could not believe seum and its history is preserved, the rivers that this was a flood-way i.e. a are continuously maintained, and we obman made river that was built served a multi purpose dam that was first purposely to control floods. The constructed in 616 AD and is in perfect use to river is well managed and there is date over the centuries they have been buildheavy investment by Ministry of ing more embankments. In every place we Land, Infrastructure and transport went the welcoming was warm and thanks to





R. Arakawa flood-gates

Amagase Multipurpose dam Dinner: Sea food delicacies

Linking nature and people through technology