IFM Newsletter Issue No. 012

## GENERAL INFORMATION OF THE PROJECT

### The Implementation Agency

Recipient

: Government of the Republic of Kenva represented by Water Resources Management Authority (WRMA), Ministry of Water and Irrigation (MWI).

: Japan International Cooperation Agency (JICA)

### The Employer

Implementing Agent

**The Consultants** 

Name

Project

Name

NEWJEC Inc.

The Project on Capacity Development for effective Flood Management in Flood Prone Areas



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WRMA training in



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Inside Story 5 Site visits in Japan



Gucha Migori River Basin is a He thereafter explained the unique basin. Its peculiarities stems Nyando Project and lesson from the fact that it is a vast basin learnt wherein he exstretching across five counties i.e. plained that the Nyando Nyamira, Kisii, Narok, Homabay Project implementation and Migori counties. Because of its was expensive and difficult uniqueness the preparation for the for community to implefirst Gucha Migori Integrated Flood ment on their own or even aturwemakes opening remarks Management Committee Meeting started in earnest in August 2013 and Governor and the Executive under the support of the eventually the meeting was held on for Environment and Disaster that the average District of the 18th December 2013 at Migori were engaged in the Migori aims at capacity develop-Teachers Training College in Migori County Government Cabinet ment in flood management County. The meeting was attended Meeting. for WRMA and WRUA. by various relevant stakeholders in She pointed out that the County Government was apprecia-Management was currently He explained that Flood the river basin. The purpose of this first Gucha tive of JICA effort in flood the mandate of WRMA Migori IFMC was as follows: 1) To management in the Migori and sixteen Flood Manageget understanding on flood situation County. She challenged the ment Officer had been disand flood management within Gucha education sector to incorporate Migori River Basin among the rele- flood and disaster manage-

vant 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 rele-ment and Disaster are engaged WRMA-LVSC vant stakeholders to assist and coop-in 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 represent-ed by Flood Management Unit marks by pointing out that the explained the background of the Lower Cuche members i.e. Mr. NZYKO and Eng. County Government was Migori. He thereafter gave KIMANGA.

Mr. Maturwe acting Regional Man- stakeholders in the manage-Migori. Mr. Elly Onyango ager WRMA-LVSC made the open- ment of floods disaster. ing remarks where he described the Eng. Kondo the JICA Chief where 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 from the upstream made a the management of the river basin. and purpose of the first IFMC. He welcomed the stakeholders to the presentation on human activifirst Gucha Migori IFMC and thereties in the upstream the imafter gave a brief overview of the pact negatively the down-Lake Victoria South Catchment. stream.

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

ments also attended.

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

JICA Project Team organized a home and she would warn communi- Ooi assisted communities in Isiolo and Lumi 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!

INSTALLATION OF WATER GAUGE GADGET

During the lectures the participants The flower beauty of this narrative is 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 WRUA members dig trench to lay in

community based flood early warn- ties in the downstream to evacuate to set up the community based early warning. ing workshop in from 15<sup>th</sup> to 18<sup>th</sup> 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 commu- the community based Flood early warning the 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 5<sup>th</sup> and 19<sup>th</sup> 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 of water level gadget at Wath Ongrr 1KB05



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

### 3<sup>rd</sup> February, 2014

# FIRST GUCHA MIGORI IFMC MEETING



vant stakeholders to assist and cooperate with WRMA and WRUAs for-mulation of flood management plans. sub-regional level. The meeting was also attended by JICA Project Team led by the Team Level Draw SAWA and UCA Chief ready to cooperate with other the flood history in Gucha

Manager Gucha



Mr. Nzyuko made the closing remarks wherein he pointed importance of integrated approach in management of floods.

Linking nature and people through technology

## WRMA STAGE ONE TRAINING

held on 14<sup>th</sup> to 25<sup>th</sup> 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.

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

tendance in all the lectures.

sessions by the lecturers. Just like they

for every minute of the lecture by

(DRR); Vulnerability assessment;

Developing a Community Flood Haz-

ard Map; Flood Early Warning Sys-

tem; Community Based Flood Early

Warning; Introduction to Integrated

Flood Analysis System (IFAS) and



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.



# WRMA STAGE ONE TRAINING PROCEEDINGS IN KISUMU

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-Point Presentation mode.

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

Disasters mainly earthquake,

Tsunami and floods have

nation in the world.

was timely.

Therefore the training in Ja-

pan by WRMA staffs on Ef-

Map development. The areas visited that fall under the jurisdiction of Winam WRUA were Okana and Nvamware 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.

# **TRAINING IN JAPAN**

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 indi- missed 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-

abeth Diego. A) Timeliness which is a Other notable issues Osaka train sta strong characteristics of Jawere work ethics, sea pan the City Shuttle leave on food, hospitability. Humilfective Flood management time and the smallest delay ity etc. For more do not by a passenger means missmiss the next month issue The training in Japan en- ing the Shuttle! Let's put in a of IFM Newsletter! tailed of 20 staffs from context, "The welcome was Eng. Matagaro receives a 3D Mag

## SITE VISITS IN JAPAN

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:

your copy!

view 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 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

that in each of their offices for

the class A rivers managed there

NE JEC



A participant to the training states his expectations

scious and to maintain some! period.



Group Photo



Opening Session of the training



WRMA STAGE ONE TRAINING PROCEEDINGS IN NAIROBI

from the participants and passion for Presentation on Progress in Lumi **River Basin** 

ter" the participants were accounting (GFAS); Evacuation Plan- between Upstream and their attentiveness, raising issues of ning; Evacuation Centre Downstream ; Role of Co-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 cation on Desired Infor- DDMC; Role of District high level of disciple The modules covered during stage one mation to Schools; Effecthrough out the training included: Cause and effect of tive Public Awareness mittee (DDMC).





Presentations after Group discussion

NE<sup>SS</sup>JEC

**Training in progress** 

structural mitigation measures including community-based measures; Cosay "accounting for every drop of wa- Global Flood Alert System operation and Co-ordination Disaster Management Com-

Raising on Flood; Planning

and design of flood damage

mitigation measures; Flood

Damage Mitigation Non-

Structural Measures includ-

ing Community Based

Measures; Flood damage



Group discussion in progress



Linking nature and people through technology

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Briefing meeting at Rabuor



Field excursion to Okana villag



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







office this has empowered the Japanese

The training in Japan was charac- is Disaster Information system that com- NEWJEC for the entertainment the dinners, terized 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 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 " my-





Linking nature and people through technology

Amagase Multipurpose dam Dinner: Sea food delicacies