



Mission reference

2006 C4 T23 M

Date: 14<sup>TH</sup> AUGUST, 2006

# Mission report

## Expert Name and Function

RICHARD TWUM BARIMAH KORANTENG

EXECUTIVE DIRECTOR

Wording of missions: *In short, objective or content of mission*

INTEGRATED FLOOD MANAGEMENT

## 1. CONTEXT

Place, location: *Country visited, Basin Organization concerned, other information about location*

**BENIN CITY, NIGERIA, SOCIETY FOR WATER AND PUBLIC HEALTH PROTECTION (SWAPHEP)**

Mission duration: **THIRTY ONE (31) DAYS**

## 2. OBJECTIVES

Initial objectives		Results	Results indicator <i>explain with some details how far the results have been achieved if compared to initial objectives</i>
1	<b>REDUCING THE SCALE OF FLOODS</b>	<b>BETTER CATCHMENT MANAGEMENT</b>	<b>Reducing the scale of floods implies managing the quantity and quality of surface water run-off. Catchment management measures include</b> <b>i) Infiltration measures such as infiltration trenches, detention basins, infiltration ponds and wetland areas to reduce run-off.</b> <b>ii) Forest protection, reduced impact logging practices, avoidance of clear felling techniques and</b>

			less intensive agricultural practices to reduce soil erosion and landslides that lead to channel siltation, raising flood levels proportionately.
2	<b>ISOLATING THE THREATS OF FLOODS</b>	<b>FLOOD PROOFING AND EMBARKMENTS</b>	Dams, earthen embankments, levees, dykes and bonds. Modification of dwellings in a variety of ways to reduce the risk of floodwater penetration: water proofing walls; fitting openings with permanent or temporal doors, gates or other closure devices.
3	<b>INCREASING PEOPLES COPING CAPACITY</b>	<b>EMERGENCY PLANNING FORCASTING</b>	Empowering local communities to make choices about land development and flood alleviation. Reducing the impacts of humans on the environment by promoting flood disaster resilience. Valuing and preserving the best of indigenous adaptations and improving local capacities to respond. Addressing the problem of equity e.g. alleviating poverty and lack of access to resources as a means of addressing flood vulnerability.



## 5. DISSEMINATION (opportunities and difficulties)

*In what measure these learnt lessons are applicable to:*

- **The basin Organization the expert belongs to:**

*Basin and catchments management through vegetative and structural measures offers an opportunity across all sectors to reduce sedimentation of reservoirs and canals and manage the timing and quantity of peak seasonal and annual flows as well as groundwater recharge.*

- **National IWRM practice:**

*An integrated approach to flood management will involve reducing a community's vulnerability to floods through structural, non-structural, technological and policy alternatives and increasing people's capacity to cope with floods.*

- **Regional experience:**

*In Africa, large populations live close to nature and as such changes in the ecological integrity of floodplains have great impact on the quality of life of the local people.*

- **Worldwide:**

*The decision of many donor funded projects should be based on the principles of Integrated Water Resource Management and should adequately address capacity building issues.*

## 6. IDENTIFIED TIPS

*Identified tips which could be useful for colleagues*

*The lack of effective regulatory agreements, the lack of effective institutional structures for Integrated Water Resource Management, the lack of political will by our leaders to enforce those agreements and regulations that do exist all contribute to the dismal future for floodplains.*

## 7. PERSONAL COMMENTS

*What does the missionary think about his mission?*



**Reporting guidelines**

**Number of pages:**

**5 / 5**

*One lesson learnt from the mission is that floods have many beneficial uses in different river basins and that the elimination or reduction of natural flooding can lead to the loss of important downstream ecosystem functions as well as loss of livelihood for flood dependent communities.*

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	<b>Reporting guidelines</b>	<b>Number of pages:</b> 6 / 5
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## 8. CONTACTS

*Principal local contacts met*

Name	Occupation	E-mail	Phone number
DR. MUSLIM IDRIS	DAM AFFECTED PERSON	DRIMUSLIM@YAHOO.COM	
RAPHAEL OGALI	CENTRE FOR INTEGRATED DEVELOPMENT INITIATIVE	RAPHAEOLOGALI@YAHOO.CO.UK	00234-8064304979
JOHN OGBODO	WOMEN ENVIRONMENTAL PROGRAMME	SAINTAJOI@YAHOO.COM	00234-8058543858

## 9. BIBLIOGRAPHY

*Main documents, manuals or supports used during the mission which could be useful for colleagues*

Name	Description / Notice
<ul style="list-style-type: none"> <li>▪ DELANY, 1995</li> </ul>	WCD THEMATIC REVIEW IV.4 FLOOD MANAGEMENT OPTIONS
<ul style="list-style-type: none"> <li>▪ WORLD THEMATIC REVIEW IV.4</li> </ul>	FLOOD MANAGEMENT OPTIONS SECTIONS 1.2.4
<ul style="list-style-type: none"> <li>▪ TOCKNER K, STRANFORD J. A. (2002)</li> </ul>	RIVERINE FLOODPLAINS: PRESENT STATE AND FUTURE TRENDS

Websites		
Name	Description/ Notice	Adress

*N.B. This framework provides necessary information for further capitalisation and dissemination, but should not prevent experts from making any other comments (as far as basins characterisation is concerned, for instance).*

	<b>Reporting guidelines</b>	<b>Number of pages:</b> 7 / 5
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## Financial report

<b>Expert Name: RICHARD TWUM BARIMAH KORANTENG</b>
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Date of arrival	Date of departure	Number of days	days cost (€)	travel cost (€)	Total*
11-07-2006	11-08-2006	31 DAYS	2,170	900	3,070

\* We use the Oanda currency converter to exchange in euro at the date on the travel invoice.

<b>Name and address of the Basin Organisation : VOLTA BASIN DEVELOPMENT FOUNDATION, POST OFFICE BOX MB 516, ACCRA, GHANA</b>
To: VOLTA BASIN DEVELOPMENT FOUNDATION Bank's name: GHANA COMMERCIAL BANK Bank's address: AKOSOMBO BRANCH, AKOSOMBO, GHANA Account number: 2181130002867 Bank Code: 040218 IBAN code **: _____ SWIFT BIC CODE: <i>GHCBGHAC</i>

\*\* IBAN CODE is only for European country.

### Papers to join:

- Original justificatives : Plane Ticket and Boarding Pass**

Just keep one copy of due justificatives for yourself.

<p><b><u>Send due report to following address:</u></b></p> <p>Techware c/o hydrocontrol          Project TWINBASIN          Strada 52 Poggio dei Pini          09012 CAPOTERRA. (CA)          ITALY          E-mail: <a href="mailto:info@techwarenet.org">info@techwarenet.org</a>          Fax: +39 070 725 478</p>
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