



Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area

# **Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area**

**(Bénin, Burkina Faso, Côte d'Ivoire, Ghana, Mali Togo)**

Project Number: 53885

## **Annual report**

**January 2009**





First published in Ghana in 2009 By the UNEP-GEF Volta Project.

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**For citation purposes this document may be cited as:**

UNEP-GEF Volta Project, 2009. Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area: Annual report *UNEP/GEF/Volta/RR 1a/2009*

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## List of abbreviations and acronyms

<b>Abbreviation</b>	<b>Definition</b>
AFO	Africa Regional Office
APNP-VRB	Action Plan for the National Part of the VRB
BFP	Basin Focal Project
DGEF	Division of GEF Coordination
ECOWAS/WRCCC	Economic Community Of West African States/Water Resources Coordination Centre
EU	European Union
GCLME	Guinea Current Large Marine Ecosystem
GEF	Global Environment Facility
GLOWA	Global Change and Hydrological Cycle
GWP	Global Water Partnership
GWP-WAWP	Global Water Partnership-West Africa Water Partnership
HYCOS	Hydrological Cycle Observation System
HYR	Half year Report
ICARM	Integrated Coastal Area and River Basin Management
IRB	International River Basin
IRD	Institut de recherché pour le Développement
IUCN	International Union for Conservation of Nature and Natural Resources
IW-LEARN	Internal Water Learn
IWMI	International Water Management Institute
IWRM	Integrated Water Resources Management
LOU	Letter Of Understanding
M&E	Monitoring and Evaluation
MOA	Memorandum Of Agreement
MOU	Memorandum Of Understanding
NBA	Niger Basin Authority
NFP	National Focal Point
NOFP	National Operational Focal Point
OMVG	Organisation pour la Mise en Valeur du fleuve Gambie
OMVS	Organisation pour la Mise en Valeur du fleuve Sénégal
PAGEV	Projet d'Amélioration de la Gouvernance de l'Eau dans le Bassin de la Volta
PMU	Project Management Unit
PSC	Project Steering Committee
RBO	River Basin Organisation
SAP	Strategic Action Program
SIAAP	Syndicat Interdépartemental pour l'Assainissement de l'Agglomération de Paris
TBGW	Transboundary Groundwater
TDA	Transboundary Diagnostic Analysis
ToR	Terms of References
UDC	UNEP DHI Centre for Water and Environment
UNEP	United Nations Environment Program
UNEP/DGEF	United Nations Environment Program/ Division of GEF Coordination
UNEP/IW	United Nations Environment Program/ International Water
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNOPS	United Nations Office for Project Services
VBA	Volta Basin Authority
VRB	Volta River Basin
WRC	Water Resources Commission (Ghana)
WSSD	World Summit on Sustainable Development

## Executive summary

The overall objective of the project for “Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area” is to enhance the ability of the riparian countries to plan and manage the Volta River Basin and its downstream coastal area (including aquatic resources and ecosystems) on a sustainable basis, by achieving sustainable capacity and establishing regional institutional frameworks for effective management; developing national and regional priorities; effective legal, regulatory and institutional frameworks and management tools as a basis for action, as well as initiating national and regional measures to achieve sustainable ecosystem management.

In view of this, the project is pursuing the following specific objectives:

- Build capacity, improve knowledge and enhance stakeholders’ involvement to support the effective management of the VRB;
- Develop river basin legal, regulatory and institutional frameworks and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area;
- Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin.

The GEF Volta project implementation, despite the review of the initial document (project logframe, activities, work plan, budget and institutional framework) and challenges encountered during the inception period, is very much on course based upon the approved work plan. The main challenges in the implementation of the project activities during the first year consist of the delays in feedbacks from national partners and in reports submission by the consultants. The project work plan and budget have undergone a number of revisions in order to address changes required and to keep it abreast with ongoing processes.

Over the past one year, attempts have been made to strengthen the established partnerships with institutions and organizations from within and outside of the project region. Apart from this, strengthened partnerships and representation at both the regional and international meetings have also increased the regional and international visibility of the project.

Most of the planned project activities are in the process of implementation. During the year, activities related to the identification/analysis of national institutions, ongoing/planned initiatives and collaboration opportunities, stakeholder involvement plan and training gaps were initiated. Many of the studies were launched at the national and regional levels and reports have been prepared by consultants and reviewed by the PMU. These studies are expected to substantially contribute to the planned revision of the initial project Transboundary Diagnostic Analysis (TDA), and the development of Strategic Action Plan (SAP) and Action Plans for National Part of the Volta River Basin (APNP-VRB) among other anticipated thematic outputs required for the project.

The development of a data management and information exchange strategy was launched with the study focusing on the inventory and analysis of existing data and information at national and regional levels, including the identification of training gaps and prioritisation of training needs for data management and monitoring.

The GEF Volta Project also launched the review and situation analysis of the proposed three demonstration projects in order to ensure that they are in agreement with the wishes of the stakeholders especially the potential beneficiaries, and realities in the field before the commencement of their implementation.

A major study has been conducted to review the preliminary TDA and the development of a detailed methodology for the preparation of the revised TDA and SAP documents. In the attempt to build the national partners’ capacity and also prepare them for the planned TDA/SAP development, the project organised the regional TDA/SAP training workshop for national and key project partners on the TDA/SAP development process. The successful training workshop helped to build partners capacity with the aim of getting them to appreciate the procedures and requirements to be anticipated during the



revision of TDA and the development of SAP.

As detailed in this Annual Report, the progress towards achieving the immediate GEF Volta project objectives is satisfactory. It is expected that the anticipated outcomes of the project will be adequately achieved as earlier envisaged.

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## 1. Background information

**Project title:** Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area

**Project number (if applicable):** 53885 (UNOPS)

**Responsible division(s)/unit(s) in UNEP:** UNEP/GEF

**Project starting date:** 2<sup>nd</sup> January 2008

**Project completion date:** 31<sup>st</sup> December 2011

**Reporting period:** January-December 2008

**Reference to UNEP sub-programme(s) and expected accomplishment(s):** UNEP/GEF International Waters

### 1.1 Overall objective(s) of the Project

1. The UNEP/GEF Volta River Basin Project is a regional initiative designed to facilitate the integrated management, sustainable development and protection of natural resources of the Volta River Basin within the six riparian countries of Benin, Burkina Faso, Côte d'Ivoire, Ghana, Mali and Togo. It is developed specifically to address priority regional transboundary issues and problems as identified through a preliminary Transboundary Diagnostic Analysis (TDA) prepared during the project development phase. The Project has a primary focus on addressing some of the major environmental problems and issues of the basin leading to the degradation of the environment by human activities.
2. **Project's long-term goal:** equitable and sustainable management of water resources and other connected natural resources in the Volta River Basin and its downstream coastal area.
3. **The project's overall objective is to** enhance the ability of the riparian countries to plan and manage the Volta River Basin and its downstream coastal area (including aquatic resources and ecosystems) on a sustainable basis, through enhanced capacity building and established regional institutional frameworks for effective management; developing national and regional priorities and effective legal, regulatory and institutional frameworks including management tools as a basis for action, as well as initiating national and regional measures to achieve sustainable ecosystem management.
4. **The broad development objective** of this project is to address the perceived major transboundary problems and issues of the Volta Basin causing the degradation of the environment as a result of human activities, by reducing those activities that lead to water scarcity, land and water degradation, and to integrate environmental concerns with present and future development of the basin. The broad development objectives are in line with the WSSD recommendations, national IWRM planning processes, and national development and poverty reduction strategies.
5. The three Specific Objectives of the project are as follows:
  - Specific Objective n° 1: Build capacity, improve knowledge and enhance stakeholders' involvement to support the effective management of the VRB
  - Specific Objective n° 2: Develop river basin legal, regulatory and institutional frameworks and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area
  - Specific Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin.

## 1.2 Partners and Financial details (budget)

6. The UNEP GEF Volta Project is implemented by the United Nations Environment Programme (UNEP). The executing agency is the United Nations Office for Project Services (UNOPS) and UNEP DHI Centre for Water and Environment (UDC) as co-executing agency. The roles of these institutions are mentioned in the project inception reports as approved by the Project Steering committee meeting held in Bamako, Mali on 15th May, 2008.
7. The project has discussed and negotiated partnership arrangements with several institutions and organisations. Specifically, discussions have been held with VBA, IUCN-PAGEV, SIAAP, IW-LEARN, GEF Niger River, GEF-Senegal River, ECOWAS/WRCC, OMVG, OMVS, NBA and GWP-WAWP on possible areas to collaborate. During the discussion with some of these partners (mainly SIAAP, VBA, IUCN-PAGEV, GWP-WAWP) MOAs or collaboration agreements have been proposed towards the execution of key projects activities within the 2009 project work plan. These commitments will be captured as co-financing contributions as soon as the MOAs or such collaboration agreements are finalised during the forthcoming year.
8. The main financial partners are the Global Environment Facility (GEF) and the Governments of the riparian countries, contributing US\$ 5,844,880 and US\$ 3,424,739 respectively. Countries participating in the Project are Benin, Burkina Faso, Côte d'Ivoire, Ghana, Mali and Togo. Project activities in these participating countries are coordinated by the National Focal Points.
9. Activities at national level are undertaken by the National partners from the six riparian countries, based upon the MOA signed with UNOPS and the agreed project work plan and budget. However, during the reporting year, mobilising the co-financing from some of the national partners and other project partners as stated in the initial project brief have remained very difficult<sup>1</sup>.

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<sup>1</sup> See section 2.1.1 for more details

**Table 1 – Project financial details (including anticipated co-financing)**

Country/Partner	US\$
<b>GEF Support</b>	
Project	5,347,380
PDF – B	472,500
PDF – A	25,000
<b>Subtotal GEF</b>	<b>5,844,880</b>
<b>Co-financing</b>	
Benin	418 200
Burkina Faso	267 353
Côte d'Ivoire	915 000
Ghana	690 000
Mali	314 270
Togo	819 916
UNEP	60 000
Hungary	10 000
Czech Rep.	50 000
IUCN	620 000
ECOWAS/EU <sup>2</sup>	1 962 500
SIAAP <sup>3</sup>	471 000
<b>Subtotal Co-financing</b>	<b>6 598 239</b>
<b>Total Project Budget</b>	<b>12 443 119</b>

## 2. Project Status

### 2.1 Information on the delivery of the Project activities

#### 2.1.1 Status of implementation activities corresponding to Specific Objective n° 1

10. The project implementation started by the inception phase with the following key achievements. The Project Management Unit (PMU) was established at the premises of the Water Resources Commission (WRC - Accra Ghana), as part of Ghana's co-financing to the project and; its staff consisting of one Regional Coordinator (Mr. Hubert Onibon), one Scientific and Information Officer (Mr. Olumide Akinsola), one Administrative Assistant (Mrs. Abigail Sackar) and one Project Bilingual Secretary (Mrs. Angelika Quaye) were recruited. In January and February 2008, an inception mission was conducted in the riparian countries to introduce the project to high level authorities of the riparian countries, collect additional information, identify collaboration opportunities and present and discuss with regional/national partners on the following: i-) preliminary findings of the inception phase, ii-) issues relating to the project logframe, work plan, activities, and budget, iii-) institutional framework and iv-) collaboration opportunities.
11. Based on discussions with national partners on the project management and coordination arrangements, the Project Steering Committee has been established and National Institutional Focal Points (NIFP<sup>4</sup>) nominated by Governments. National Implementation Committees (NIC) have also been established and are functional. Also, a full-time staff has been recruited as National Operational Focal Point (NOFP) in each riparian country. Even though their recruitments have

<sup>2</sup> 1,250,000 euros

<sup>3</sup> 300,000 euros

<sup>4</sup> For each of the six riparian countries, one of the two NIFP is appointed as National Project Coordinator

been delayed by countries' administrative procedures, the 6 NOFP appointed by national authorities are providing support to the National Project Coordinators to manage, on a day-to-day basis the project activities at the country level. The effectiveness of their contribution is monitored by the PMU through the submission of monthly reports approved by the National Project Coordinators.

12. MOUs were signed with the 6 riparian countries to facilitate the implementation of the project activities at national level. The MOU scope covers the salary of NOFP, NIC meetings, validation of reference documents and consultancy reports, computer hardware and accessories, etc. The signing process was extremely complicated and delayed by long discussions and negotiations on national contributions (cash and kind). For example, some countries like Côte d'Ivoire and Togo felt that their current financial situation did not allow them to honour the co-finance commitments that were originally pledged to the project. It is important to highlight however that, apart from the financial contribution (cash and kind) received from Ghana for both the establishment of the PMU office and the field visit for the review of the Demonstration Project 3, cash contributions pledged by other riparian countries are not effective. Upon the PMU request, the Director of UNEP/DGEF has officially contacted Ministers in charge of environment of each of the 6 riparian countries in order to mobilise national contributions. In addition to that, the PMU has undertaken without success several discussions with national partners at different levels. This issue will be further addressed at the next PSC meeting.
13. Discussions regarding contractual modalities for DHI Center for Water and Environment to provide technical support to the PMU were delayed and drawn out. This contributed to the delay in the finalisation of the TORs for the Project Task Force (PTF) Members and their recruitment. The six regional experts jointly selected on competitive basis by UNEP and PMU, and appointed in September 2008 have provided the following specific technical support to the PMU: review of TORs prepared by the PMU for different studies, assessment of proposals submitted by different candidates, review of consultants' reports and participation to key workshops upon PMU request. Nevertheless, it is quite important to state here that the technical assistance to the PMU is weak and should be strengthened.
14. One of the major products of the reporting period is the preparation of the Project Inception Report, including the review of the project brief (logframe, activities, work plan, budget, institutional framework) and the preparation of the project monitoring and evaluation plan in consultation with national and regional institutions/stakeholders and UNEP/DGEF. The project document has been actualised by taking into account developments which occurred after the submission of the project to GEF (signature of the Volta Basin Convention, establishment of the Volta Basin Authority, implementation of IUCN/PAGEV Project, etc).
15. The Inception report, including the revised project brief was discussed and approved by the Project Steering Committee during its first meeting held in Bamako, Mali on 13<sup>th</sup>-15<sup>th</sup> May 2008. The meeting was attended by Government officials (National Institutional Focal Points for the Project) as well as representatives of the Implementing Agency UNEP/DGEF, the Executing agencies UNOPS and the UNEP Collaborating Centre (UCC), and the Volta Basin Authority (Figure 1). Representatives of Non-Governmental Organizations and Research Institutions as well as representatives of the project partners and government technical services in Mali also attended the meeting as observers.
16. In view of the plan to strengthen national institutions capabilities, facilitate local stakeholders participation to the project activities and contribute to the establishment of the Volta Basin Observatory, 3 main studies were initiated both at national and regional levels with the following achievements:
  - In the study relating to the analysis of National Institutions including ongoing/planned initiatives the main activities, mandates, institutional frameworks, weakness, strength and training needs of national/regional institutions involved or likely to be involved in the implementation of the GEF Volta Project, their concerns, perceptions and reactions to transboundary issues and the project

activities are presented and analysed and a training plan proposed. The study also offered the opportunity to gather additional information, identify links and propose a collaboration plan with ongoing/planned initiatives at national and regional levels. In view of this, links have been established with the following UNEP/GEF Volta Project outputs:

- Appropriation of TDA , SAP and associated documents by VBA
  - Establishment of project database and VBA Observatory
  - Development and application of hydrological and hydrodynamic models
  - Training of national staff and awareness creation
  - Implementation of three Demo projects
  - Stakeholders' involvement
  - The study relating to relating to the establishment of Regional Information and Data Exchange Mechanism in the Volta River Basin is focussed on: i-) the Inventory and analysis of existing national/regional data and information on the Volta river basin, including institutional analysis and training gaps, ii-) the setting up of a mechanism for the circulation of data and information at national and regional levels
  - For the study on the development of the stakeholders' involvement plan, only 2 of the 6 national consultants have completed their report as per the TORs. This did not allow the regional consultant to complete his report during the reporting period and therefore it is expected that the consultants would complete their reports during the first quarter of the year 2009.
17. As indicated in Table 2, there is a delay in the submission of reports by some national consultants. This is mainly due to the lack of coordination/monitoring of national studies at the national level and also due to the competence of some consultants appointed by national partners to deliver on the assignment as stated in the TOR.
18. During the reporting period, the project activities and reports were widely disseminated through: the project website, project leaflet, preparation and presentation of the project at different international and regional meetings and also during courtesy visits to project partners as presented in Table 2 and Annex 3.



**Figure 1: Participants to the 1<sup>st</sup> Project Steering Committee Meeting (Bamako, Mali, 13-15 May 2008)**

**Table 2 - Status of implementation activities corresponding to Specific Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB**

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
<b>R1.1: Project management and co-ordination established, including project monitoring and evaluation plan and co-operation mechanisms with other relevant projects/initiatives</b>				
A1.1.1.	<ul style="list-style-type: none"> <li>Establish the Project Management Unit</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The GEF Volta Project's implementation started with the establishment of the Project Management Unit (PMU) office in the premises of the Water Resources Commission (WRC - Accra Ghana) on the 2<sup>nd</sup> January 2008.</li> <li>The Regional Project coordinator, the Scientific and Information Officer, the Administrative Assistant and the Bilingual Secretary were recruited and are located at the Project Management Unit.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the office renovation and supply of office furnitures due to procurement procedures by the hosting institution</li> </ul>
A1.1.2.	<ul style="list-style-type: none"> <li>Prepare and sign MOA with governments on the implementation of the overall project</li> </ul>	Completed	<ul style="list-style-type: none"> <li>During the reporting period, key national partners were identified and recommended to UNEP/DGEF as project implementing institutions at the national level.</li> <li>MOA were prepared by PMU, approved by UNEP/DGEF, AFO Legal UNOPS and signed with the following national partners:                             <ul style="list-style-type: none"> <li>Bénin: Direction Générale de l'Environnement (Ministère de l'Environnement et de la Protection de la Nature)</li> <li>Burkina Faso: Ministère l'Economie et des Finances</li> <li>Côte d'Ivoire: Ministère de l'Environnement, des Eaux et Forêts</li> <li>Ghana: Water Resources Commission</li> <li>Mali: Ministère de l'Environnement et de l'Assainissement</li> <li>Togo: Ministère de l'Environnement, du Tourisme et des Ressources Forestières</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Delay due to difficulty in negotiating and agreeing on the national contributions. This was due to the need for national partners to confirm earlier commitments made during the project development and which was thought to be impossible to honour in the present financial context of riparian countries.</li> </ul>
A1.1.3.	<ul style="list-style-type: none"> <li>Establish the Project Steering committee</li> </ul>	Completed	<ul style="list-style-type: none"> <li>Representatives of riparian countries and other steering committee members were nominated following the requests sent to national authorities.</li> <li>Each riparian country is represented in the Project steering committee by 2 institutional focal points: 1 representative of the ministry in charge of water and 1 representative of the ministry in charge of environment. One of the 2 representatives is also nominated as National project coordinator.</li> <li>The members of the PSC have been nominated and confirmed after</li> </ul>	<ul style="list-style-type: none"> <li>Delay in nomination of countries representatives. The inception mission of the regional project coordinator helped to clarify the issues raised by national partners on the role and responsibilities of their representatives</li> </ul>

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
			the first PSC meeting, and as identified in the draft inception report <ul style="list-style-type: none"> <li>The 1st PSC meeting was hosted by the Government of Mali from 13 to 15 May 2008. During the meeting, the PMU submitted and received approval of the project inception report, including review of project objectives, logical framework, work plan, budget, institutional framework, monitoring and evaluation plan, update of the 3 demonstration projects.</li> </ul>	
A1.1.4.	<ul style="list-style-type: none"> <li>Nominate the Project National Focal Points</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The idea of recruiting National Operational Focal Points (NOFP) to support the national coordinators was approved by the steering committee during its first meeting. Based on this, TORs for NOFP have been updated by PMU, approved by UNEP/DGEF and sent to national partners for their recruitment. NOFP have therefore been nominated/appointed by high level authorities.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the recruitment of NOFP due to countries administrative procedures.</li> </ul>
A1.1.5.	<ul style="list-style-type: none"> <li>Prepare the inception report</li> </ul>	Completed	<ul style="list-style-type: none"> <li>Inception report including the review of project objectives, logical framework, work plan, budget, institutional framework, monitoring and evaluation plan, update of the 3 demonstration projects has been prepared by the PMU with the support of the UNEP/DGEF</li> </ul>	<ul style="list-style-type: none"> <li>The PMU did not receive technical support from UDC as expected because of lack of clear agreement between UNEP/DGEF, UNOPS and UDC.</li> </ul>
A1.1.6.	<ul style="list-style-type: none"> <li>Submit the inception report to the steering committee for approval</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The project Inception report has been presented, discussed and approved during the first Project Steering Committee Meeting held in Bamako, Mali.</li> </ul>	N/A
A1.1.7.	<ul style="list-style-type: none"> <li>Establish the Project National Implementation Committees</li> </ul>	Completed	<ul style="list-style-type: none"> <li>Requests were sent to National Coordinators for the establishment of National Implementation Committees (NIC). NIC have been established in the 6 riparian countries to guide project implementation at the national level and ensure intersectoral coordination as a step towards sustainability as stated in the Project inception report</li> <li>The first in the series of NIC meetings have been organised in the 6 riparian countries based upon the signed MOAs and reports sent to the PMU by national partners</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the establishment of NIC due to countries administrative procedures.</li> </ul>
A1.1.8.	<ul style="list-style-type: none"> <li>Establish the Project Task force</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The idea of recruiting regional experts to provide technical support to the PMU when requested was approved by the project steering committee during its first meeting.</li> <li>While taking into consideration the key environmental and water issues in the region, six fields of competency were identified and approved by the PSC. These are water resources, land degradation, agriculture and economy, forestry, sociology and participatory</li> </ul>	<ul style="list-style-type: none"> <li>In order to avoid duplication and conflict of responsibilities, UNEP/DGEF has requested the finalisation of the UDC TORs before those of the PTF members. The recruitment of Task force members has therefore been impacted by this delay in finalising UDC TORs and work plan.</li> </ul>

Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB				
Code	Output/Service	Status	Description of work undertaken during the reporting period	Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken
			<p>approach, environment and pollution. Based on this, TORs for Project Task Force (PTF) Members have been updated by PMU, approved by UNEP/DGEF and shared with several partners.</p> <ul style="list-style-type: none"> <li>• After a desk review, potential Task force members have been identified by the PMU, approved by UNEP/DGEF and appointed by UNOPS</li> <li>• The 1<sup>st</sup> Project Task force meeting to agree on methodology and work plan was organised in Benin on 14 September 2008 and the Task Force Members had the opportunity to also participate and contribute to the regional training organised on the TDA/SAP process.</li> <li>• The PTF Members have supported the PMU for the accomplishment of the following activities: review of TORs for specific studies, selection of consultants and review of several national and regional consultancy reports (see activities of the sub-objectives 1.2, 1.3 and 1.4)</li> </ul>	
A1.1.9.	<ul style="list-style-type: none"> <li>• Develop and implement project monitoring and evaluation plan</li> </ul>	Completed	<ul style="list-style-type: none"> <li>• The project Monitoring and Evaluation Plan was prepared by the PMU with the support of UNEP/DGEF and approved by the Project Steering Committee (PSC).</li> <li>• The M&amp;E plan is used by the PMU to monitor the project work plan and achievement through the tracking of key indicators</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the updating of stress reduction indicators and corresponding baseline data due to the delay in the finalisation of Demo Projects documents (see results for Specific Objective 3)</li> </ul>
A1.1.10.	<ul style="list-style-type: none"> <li>• Analyse all relevant national and regional projects/initiatives and develop collaboration plan</li> </ul>	Completed	<ul style="list-style-type: none"> <li>• During the inception phase, ongoing and planned initiatives have been reviewed and linkages with the GEF Project carried out and discussed during the 1<sup>st</sup> PSC meeting. Further investigations are requested and consultants were hired to that end (see results for the activity A1.2.1</li> </ul>	<ul style="list-style-type: none"> <li>• A Memorandum of Understanding between UNEP and VBA was prepared but could not be signed due to the legal status of the VBA during the reporting period</li> </ul>
A1.1.11.	<ul style="list-style-type: none"> <li>• Identify linkages, establish and implement cooperation agreements with: GCLME and other GEF IAs, other Sahel basin projects and complementary projects in the region</li> </ul>		<ul style="list-style-type: none"> <li>• Negotiations are ongoing between VBA, UNEP/GEF and the implementing/executing agencies of relevant projects in the aim to establish cooperation/collaboration agreement.</li> <li>• In the pursuit of the same objective, the establishment of collaboration with key project partners is ongoing and specific areas of parallel activities and cooperation have been identified with GCLME, IUCN/PAGEV, Volta-HYCOS, SIAAP, BFP-Volta, GWP West Africa, ECOWAS/WRCU, EU Volta Initiative, IWMI, GLOWA, Volta Observatory Project, GEF Niger and GEF Senegal Projects, etc. Most of these partners were met during the reporting</li> </ul>	<ul style="list-style-type: none"> <li>• Some partners lack good understanding of the GEF Volta project focus and several discussions were undertaken for clarification.</li> <li>• Collaboration with the GCLME Project has been impacted by the ongoing institutional challenges faced by the GCLME</li> </ul>

Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB				
Code	Output/Service	Status	Description of work undertaken during the reporting period	Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken
			<p>period and key areas of collaboration and way forward defined.</p> <ul style="list-style-type: none"> <li>Depending on the partner's activities, the following levels of collaboration have been identified: i-) Mutual information, exchange of reference documents, ii-) Reciprocal invitations to attend key events (meetings, workshops, conferences etc.), iii-) Coordination of activities, iv-) Organisation of joint activities</li> <li>Since one of the key objectives of the project is to support the VBA to develop and implement management tools at the basin level, understanding has been reached with VBA on ways to involve collaborate at each step/level of the project implementation. To this end, a collaboration framework between the PMU and the Executive Directorate of the VBA has been prepared by the 2 partners and sent to UNEP/DGEF for approval inline with the directive of the project steering committee.</li> </ul>	
A1.1.12.	<ul style="list-style-type: none"> <li>Document project implementation and communicate results through publications, regional and internal reports, project newsletter and project website</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>The Project website was developed (English and French versions) by the PMU with the support of the IWLEARN. The website was made available to the public since August 2008 and regularly updated.</li> <li>Key project reports are posted on the website and shared with partners</li> <li>The Project information leaflet was developed (in English and translated to French) and distributed to countries, partners and during different meetings.</li> <li>The Inception report including revised project logframe, activities, work plan, budget, institutional framework and M&amp;E plan completed and circulated to the PSC members and project partners.</li> <li>Further disseminations to the public are ongoing.</li> <li>Participation/presentation of the GEF Volta Project in several workshops:                             <ul style="list-style-type: none"> <li>African water week (Tunis, Tunisia)</li> <li>IV International Symposium on Transboundary Waters Management (Thessaloniki, Greece)</li> <li>Volta Basin water quality monitoring (Tamale, Ghana)</li> <li>VBA Experts committee and council of ministers meetings (Bamako, Mali)</li> <li>ECOWAS/WRCC Experts committee and council of ministers meetings (Bamako Mali)</li> </ul> </li> </ul>	N/A

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
			o Celebration of the World Water Day (Accra, Ghana)	
<b>R1.2: Enhanced capacity for sustainable international basin management including education, training, institutional development and monitoring</b>				
A1.2.1.	<ul style="list-style-type: none"> <li>Prepare the matrix of national institutions concerned by the management of the Volta Basin, analyse their mandates and capacities</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>The study relating to the Analysis of National Institutions including training gaps and plan, ongoing/planned initiatives and collaboration plan was launched at the national and regional level during the 4<sup>th</sup> quarter of the year.</li> <li>The first draft reports prepared by national and regional consultants have been reviewed by PMU, PTF and NFP, and comments sent to consultants for consideration. From the expected six national reports, four have been finalised: Burkina Faso, Côte d'Ivoire, Ghana, Mali and Togo. The six national reports and the regional reports have been finalised and approved by the PMU.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners. This impacted on the finalisation of the regional synthesis.</li> </ul>
A1.2.2.	<ul style="list-style-type: none"> <li>Identify training gaps and prioritise training needs of national institutions for IRB management</li> </ul>			
A1.2.3.	<ul style="list-style-type: none"> <li>Develop national training plans for the training of personnel in the key institutions</li> </ul>			
A1.2.4.	<ul style="list-style-type: none"> <li>Develop replicable modules and other training material on IRB management relevant to the training of personnel in the key institutions</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.2.5.	<ul style="list-style-type: none"> <li>Organise national training sessions on IRB management for personnel in the key institutions (1 session per country)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R1.3: Stakeholders fully involved</b>				
A1.3.1.	<ul style="list-style-type: none"> <li>Prepare and analyse the stakeholders matrix: main activities and mandates, links with the management of the Volta Basin, and capacities to address IRB issues</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>The study relating to the Analysis and development of stakeholders' plan including training gaps and plan was launched at the national and regional levels during the 4<sup>th</sup> quarter of the year under review.</li> <li>The first draft reports prepared by national consultants have been reviewed by PMU, PTF and NFP, and comments sent to consultants for consideration. From the expected six national reports, 3 have been finalised: Burkina Faso and Mali.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners. This impacted on the finalisation of the regional synthesis.</li> </ul>
A1.3.2.	<ul style="list-style-type: none"> <li>Identify training gaps and prioritise training needs for stakeholder involvement in</li> </ul>			

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	the project activities			
A1.3.3.	<ul style="list-style-type: none"> <li>Develop national training plans for the involvement of stakeholders</li> </ul>			
A1.3.4.	<ul style="list-style-type: none"> <li>Develop stakeholders' involvement plan using the results of A1.3.1 and A1.3.2</li> </ul>			
A1.3.5.	<ul style="list-style-type: none"> <li>Develop replicable modules and other awareness raising campaigns material relevant to the sensitization and training of stakeholders on IRB management</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.3.6.	<ul style="list-style-type: none"> <li>Organise at national level, awareness raising campaigns on IRB management for stakeholders using the results of A1.3.3 (1 campaign per country)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.3.7.	<ul style="list-style-type: none"> <li>Support and co-organise the celebration of international water or environment events in riparian countries</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R1.4: Basin wide networking, data production and information exchange strategy and mechanisms developed, including: (i) thematic studies; (ii) project database and website established and functioning, and: (iii) hydrological and coastal hydrodynamics models developed</b>				
A1.4.1.	<ul style="list-style-type: none"> <li>Inventory and analyse existing data (water uses, environmental, social and economic) and information at national and regional levels and relevant data for addressing transboundary concerns in the Volta River Basin</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The study relating to the Establishment of Regional Information and Data Exchange Mechanism in the Volta River Basin including analysis of existing Metadata, data holding institutions, training gaps and plan was launched at the national and regional level during the 4<sup>th</sup> quarter of the year.</li> <li>The first draft reports prepared by national and regional consultants have been reviewed by PMU, PTF and NFP, and comments sent to consultants for consideration. The six national reports and the regional reports (synthesis of national report and Regional Information and Data Exchange Mechanism) have been finalised and approved by the PMU.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners. This impacted the finalisation of the regional synthesis.</li> </ul>
A1.4.2.	<ul style="list-style-type: none"> <li>Identify training gaps and prioritise training needs for</li> </ul>			

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	data management and monitoring (national institutions)			
A1.4.3.	<ul style="list-style-type: none"> <li>Develop national training plans on data management and monitoring</li> </ul>			
A1.4.4.	<ul style="list-style-type: none"> <li>Set up a mechanism for the circulation of data and information at national and regional levels</li> </ul>			
A1.4.5.	<ul style="list-style-type: none"> <li>Develop training packages on data management and monitoring using the results of A1.4.1 and A1.4.2</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.4.6.	<ul style="list-style-type: none"> <li>Organise national training sessions on data management and monitoring (1 session per country)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.4.7.	<ul style="list-style-type: none"> <li>Develop and operate project database at national and regional levels</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>Data holding institutions and existing Metadata have been identified and discussion ongoing with IWLEARN and UNEP Early Warning Unit for their support to develop the project database and data clearinghouse.</li> </ul>	N/A
A1.4.8.	<ul style="list-style-type: none"> <li>Collect and analyse relevant data and information and update the project database on regular basis</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>See results of activity A 1.4.1</li> </ul>	N/A
A1.4.9.	<ul style="list-style-type: none"> <li>Develop hydrological and coastal hydrodynamic models of the Volta basin and its Downstream Coastal Area</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>EU Volta Initiative also plan to develop models for the Volta basin, in view of this, discussions and meetings have been held with the EU Volta Initiative and tentative understanding reached on strategy and procedures/approach to develop models for the basin.</li> </ul>	N/A
A1.4.10.	<ul style="list-style-type: none"> <li>Carry out thematic study on relations between catchments area and stream flow</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.4.11.	<ul style="list-style-type: none"> <li>Carry out thematic study on the relations between Volta basin and its Downstream</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A

<b>Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	Coastal Area, using ICARM concept			
A1.4.12.	<ul style="list-style-type: none"> <li>Organize one scientific workshop in collaboration with UNESCO</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A1.4.13.	<ul style="list-style-type: none"> <li>Develop and update project website on regular basis</li> </ul>	Completed	<ul style="list-style-type: none"> <li>See results of the Activity A1.1.13</li> <li>Participation in the he UNEP/IW: LEARN IT Workshop for managing GEF Projects websites (Athens Greece)</li> </ul>	N/A
A1.4.14.	<ul style="list-style-type: none"> <li>Carry out a study on the establishment of the Volta Basin Observatory</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A

### **2.1.2 Status of implementation activities corresponding to Specific Objective n° 2**

19. The specific objective 2 of the project aims to finalize and agree on the final, geographically specific, quantitative TDA, and contribute to the development of Strategic Action Programme (SAP) and Action Plan for the National Part of the VRB (APNP-VRB) that address issues of priority transboundary concerns. A transboundary diagnostic analysis is an important tool/approach that GEF has adopted towards the development of a Strategic Action Programme.
20. To ensure the success of the TDA/SAP process, it was recommended that project partners be trained in the approach and methodology of TDA and SAP development and processes, taking into consideration the peculiar situation in the Volta River basin. In view of this, a training session was organised in Cotonou, Benin from 15 to 19 September 2008 with the participation of key representatives of the project from the 6 riparian countries (Benin, Burkina Faso, Côte d'Ivoire, Ghana, Mali and Togo): National Project coordinators, National Operational Focal Points, Project Task Force members, Project Management Unit staff, UNEP DHI Centre representatives and other stakeholders established in Benin (Figure 2). The training equally provided an opportunity for knowledge exchange and establishment of network between the GEF-Volta Project partners. The training made use of the modules developed by GEF-IW.
21. A preliminary TDA for the Volta River Basin was completed in 2002 and served as the basis for preparation of the project document and follow up inception report guiding the project implementation. The GEF Volta Project is therefore expected to update and expand the TDA, and also develop a regionally agreed SAP, following clarification of some aspects of the environmental status of the region as well as building grounds for SAP implementation. The preliminary TDA identifies a number of shortcomings, notably the lack of adequate data and information for several areas of assessment. Moreover, changes in the legal and institutional landscape have occurred since 2002, both at basin as well as at national level. Therefore, a review of the preliminary TDA has been carried out during the reporting period with the following results: identification and provision of recommendations for TDA gaps fillings, detailed methodology for TDA finalisation and SAP development including work plan and TORs for TDA and SAP experts both at national and regional levels.



**Figure 2: Participant to the regional training on TDA/SAP process (Cotonou, Benin 15 - 19 September 2008)**

**Table 3 - Status of implementation activities corresponding to Specific Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area**

Outputs / Results corresponding to Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area				
Code	Output/Service	Status	Description of work undertaken during the reporting period	Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken
<b>R2.1: Support provided through project activities to the regional coordination mechanism (Just for the record)</b>				
A2.1.1.	<ul style="list-style-type: none"> <li>Insert the SAP and APNP-VRB into the VBA work plan (just for the record)</li> </ul>			
<b>R2.2: Support for the ratification of the Convention for the sustainable management of the Volta River Basin (Just for the record)</b>				
A2.2.1.	<ul style="list-style-type: none"> <li>Advocate at Ministerial level and through project meetings, workshops and reports, the importance of ratifying the basin convention (just for the record)</li> </ul>			
<b>R2.3: Transboundary Diagnostic Analysis (TDA) updated and completed</b>				
A2.3.1.	<ul style="list-style-type: none"> <li>Training of national coordinators and NOFP on TDA/SAP process</li> </ul>	Completed	<ul style="list-style-type: none"> <li>A TDA/SAP process training session was organised in Benin from 15 to 19 September 2008 in the aim to:                             <ul style="list-style-type: none"> <li>build the capacity of National Coordinators, National Operational Focal Points from the six riparian countries of the Volta River basin, Project Task Force members and other selected project partners in the approach and methodology of TDA and SAP development and processes, taking into consideration the peculiar situation in the basin</li> <li>facilitate knowledge exchange and establish network between the GEF-Volta Project partners.</li> </ul> </li> <li>In addition, project representatives have participated in the followings:                             <ul style="list-style-type: none"> <li>the pilot Course on Transboundary Groundwater (TBGW) Integrated Management (Thessaloniki, Greece)</li> <li>the regional workshop on Building adaptive capacity - Mainstream adaptation strategies to climate change in managing African transboundary river basins (CCA-</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

<b>Outputs / Results corresponding to Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
			RBO) (Entebbe - Uganda) <ul style="list-style-type: none"> <li>○ regional workshop on Building Adaptive Capacity - Mainstream Adaptation Strategies to Climate Change in Managing Sahel Transboundary River Basins (CCA-SRBO): Sahel Regional Seminar on Climate Change (Abuja Nigeria)</li> </ul>	
A2.3.2.	<ul style="list-style-type: none"> <li>• Gather national and regional documents, data and information and update the situation analysis</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>• See results: A1.2.1 to A1.2.3, A1.3.1 to A1.3.43, A1.4.1 to A1.4.4, A1.4.7, A1.4.8</li> </ul>	N/A
A2.3.3.	<ul style="list-style-type: none"> <li>• Review the preliminary TDA document and identify gaps</li> </ul>	Completed	<ul style="list-style-type: none"> <li>• The study relating to the review of the preliminary TDA document and preparation of methodology for new TDA and SAP development, including TORs for consultants was lunched during the 4<sup>th</sup> quarter of the year.</li> <li>• The first draft reports prepared by the appointed consultants have been reviewed by PMU, PTF and VBA, and comments sent to consultants for consideration. The reports have been updated accordingly, approved by PMU and sent to UNEP/DGEF for final approval.</li> </ul>	N/A
A2.3.4.	<ul style="list-style-type: none"> <li>• Organize 6 workshops at country level with stakeholders and national institutions</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
A2.3.5.	<ul style="list-style-type: none"> <li>• Update and complete the transboundary diagnostic analysis document</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
A2.3.6.	<ul style="list-style-type: none"> <li>• Organize validation regional workshop with national, regional and international institutions and stakeholders</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
A2.3.7.	<ul style="list-style-type: none"> <li>• Submit the TDA document to the Steering Committee for approval</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
<b>R2.4: Strategic Action Programme (SAP) for the integrated management of the Volta River Basin developed with concrete investments identified to address priority transboundary problems</b>				

<b>Outputs / Results corresponding to Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
A2.4.1.	• Organize starting (commencement) regional workshop with national, regional and international institutions and stakeholders		• Not planned for the reporting period.	N/A
A2.4.2.	• Organize 6 workshops at country level (with national institutions and stakeholders) as input to the SAP elaboration		• Not planned for the reporting period.	N/A
A2.4.3.	• Prepare the Strategic Action Programme document, including implementation guideline, monitoring & evaluation system for its implementation, long term financing strategy	Ongoing	• See result A2.3.2	N/A
A2.4.4.	• Organize validation regional workshop with national, regional and international institutions and stakeholders		• Not planned for the reporting period.	N/A
A2.4.5.	• Submit the SAP document to the Steering Committee for approval		• Not planned for the reporting period.	N/A
A2.4.6.	• Organize a meeting of the Ministers in charge of Water and Environment for the endorsement of the SAP document (ideally in conjunction with RBO Ministerial meeting)		• Not planned for the reporting period.	N/A
A2.4.7.	• Insert the SAP into VBA work plan		• Not planned for the reporting period.	N/A
<b>R2.5: Action Plans for the National Parts of the VRB (APNP-VRB) to restore and maintain the ecological integrity of the national part of the basin developed</b>				
A2.5.1.	• Organize 6 workshops at		• Not planned for the reporting period.	N/A

<b>Outputs / Results corresponding to Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	country level (with national institutions and stakeholders) as input to the APNP-VRB elaboration			
A2.5.2.	<ul style="list-style-type: none"> <li>Prepare the Action Plans for the National Parts of the VRB documents, including APNP-VRB implementation guideline, monitoring &amp; evaluation system for APNP-VRB implementation, long term financing strategy for the APNP-VRB</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>See result A2.3.2</li> </ul>	N/A
A2.5.3.	<ul style="list-style-type: none"> <li>Organize APNP-VRB validation workshops in each riparian country</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A2.5.4.	<ul style="list-style-type: none"> <li>Submit APNP-VRB document to national authorities for endorsement</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R2.6: Measure in place to harmonise the sectoral plans at national level with the SAP/APNP-VRB</b>				
A2.6.1.	<ul style="list-style-type: none"> <li>Sector based assessment on key TDA issues and outlining sectoral actions to be included in the APNP-VRB</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R2.7: Enhanced capacity of governments to implement policies and strategies that address SAP/APNP-VRB priorities</b>				
A2.7.1.	<ul style="list-style-type: none"> <li>Identify training needs for SAP/APNP-VRB implementation (national level)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A2.7.2.	<ul style="list-style-type: none"> <li>Develop training packages on SAP/APNP-VRB implementation using the results of A2.7.1</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A2.7.3.	<ul style="list-style-type: none"> <li>Develop national training</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A

<b>Outputs / Results corresponding to Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	plans on SAP/APNP-VRB implementation			
A2.7.4.	<ul style="list-style-type: none"> <li>Organise national high level training sessions on SAP/APNP-VRB implementation (1 session per country)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A

### **2.1.3 Status of implementation activities corresponding to Specific Objective n° 3**

22. During the project preparation phase, 3 demonstration projects were selected based on indications given by UNEP DGEF and corresponding project brief developed accordingly. The quick assessment of the 3 demonstration project documents conducted at the beginning of the overall project inception phase showed some incoherence mainly in terms of programming. In order to ensure good implementation of the 3 Demo Projects, consultants were recruited on a competitive basis to review and update the project documents (see Table 4).
23. During the review process, field visits were conducted to demo project areas and this created opportunities for exchange of information within government authorities and other key stakeholders of the project (national institutions concerned, decentralised communities, NGOs and Civil Society). The field visits and discussion with key stakeholders also reinforced the analyses already conducted on the environmental problems during the PDF-B phase, taking into account recent development in the proposed demo project areas, especially: i-) equipment of the Sourou river with hydrometric and rain gauge station through the implementation of the Volta HYCOS Project (Demo Project 1), ii-) the construction of wastewater network in the City of Kara with the support of SIAAP (Demo Project 2) and, iii-) the construction of the hydroelectric dam at Bui in Ghana (Demo Project 3).
24. The 3 studies led to the preparation of detailed Demo project documents including: i-) baseline situation analysis, ii-) feasibility, study, iii-) redefinition of objectives and expected outcomes, iv-) review of objectively verifiable indicators, demo project activities, work plan, budget, v-) institutional arrangements and implementation strategy. The draft reports prepared by the consultants have been reviewed by PMU, PTF and National Partners, and comments sent to consultants for consideration. The reports have been updated accordingly and the report validation workshops are planned for the first quarter of the year 2009. The completion of the 3 studies were delayed by lack of coordination/feedback from national partners, non-mobilisation of national contributions for the field visits phase and difficulty in accessing available data and information
25. Furthermore, key project partners have been contacted as potential executing agencies (see Table 4). Discussions are still going on and final decision will be made jointly with in consultation with implementing and executing partners after the validation workshops



**Figure 3: Case of sanding up in river, erosion, degradation and water coloration of Black Volta tributary identified during the field visit for the review of the Demo Project 3**

**Table 4 - Status of implementation activities corresponding to Specific Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin**

<b>Outputs / Results corresponding to Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
<b>R3.1: 3 Demo project successfully implemented</b>				
A3.1.1.	<ul style="list-style-type: none"> <li>Review demo project documents (logframe, activities, budget , M&amp;E plan and work plan) and prepare inception report</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>The logframe, activities, work plan and budget for each demo project, have been revised and first draft included in the inception report.</li> <li>TOR for the detailed review for each demo project was prepared and consultants selected by the PMU in consultation with UNEP/DGEF, PTF Members and NFP</li> <li>The review of each demonstration project, including situation analysis, objectives, logframe, activities, work plan and budget, institutional framework was lunched by the PMU during the reporting period</li> <li>The draft reports prepared by the consultants have been reviewed by PMU, PTF and National Partners, and comments sent to consultants for consideration.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by consultants and lack of coordination/ feedback from national partners</li> <li>The demonstration projects inception report will be prepared after the demo projects launch and would help clarify any other comments and further update the stress reduction indicators</li> </ul>
A3.1.2.	<ul style="list-style-type: none"> <li>Identify and sign MOA with key partners on the implementation of the Demo projects</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>Discussions and missions were conducted with potential partners for the implementation of each Demo project. So far, the following institutions have been tentatively identify for each demo project:</li> <li>For Demo Project 1 between Burkina Faso and Mali: Volta HYCOS, National partners and IRD</li> <li>For Demo Project 2 between Benin and Togo: SIAAP and national partners</li> <li>For Demo Project 3 between Ghana and Côte d'Ivoire: IUCN/PAGEV, National Partners, NGO-PAPADEV in Ghana.</li> </ul>	<ul style="list-style-type: none"> <li>Further discussions are needed to clarify and finalise collaboration details required for the implementation of each demo project.</li> </ul>
A3.1.3.	<ul style="list-style-type: none"> <li>Implement the Demo project no 1: Joint management by Burkina Faso and Mali of a flow release warning system in the Sourou river valley (tributary of Black Volta River or Mouhoun)</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.1.4.	<ul style="list-style-type: none"> <li>Implement the Demo project no 2: Installing and comparing technological models of waste water</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A

<b>Outputs / Results corresponding to Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin</b>				
<b>Code</b>	<b>Output/Service</b>	<b>Status</b>	<b>Description of work undertaken during the reporting period</b>	<b>Description of problems encountered; Issues that need to be addressed; Decisions/Actions taken or to be taken</b>
	treatment in the Cities of Kara (Togo) and Natitingou (Benin)			
A3.1.5.	<ul style="list-style-type: none"> <li>Implement the Demo project no 3: Restoring and protecting the river beds of the Black Volta River (Côte d'Ivoire &amp; Ghana) and its tributaries through participative campaigns of reforestation</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.1.6.	<ul style="list-style-type: none"> <li>Evaluate the implementation of the three Demo projects</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.1.7.	<ul style="list-style-type: none"> <li>Document lessons learned from the three Demo projects and incorporate them in SAP and APNP-VRB documents</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R3.2: Six national Demo projects are prepared to be submitted to co-funding partners</b>				
A3.2.1.	<ul style="list-style-type: none"> <li>Develop six national Demo projects based and TDA/SAP priorities</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.2.2.	<ul style="list-style-type: none"> <li>Submit the six national Demo projects to riparian countries for approval</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.2.3.	<ul style="list-style-type: none"> <li>Develop financial plan and secure co-funding</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
<b>R3.3: Replication plan for the Demo project developed</b>				
A3.3.1.	<ul style="list-style-type: none"> <li>Develop a plan for the replication of the Demo projects</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.3.2.	<ul style="list-style-type: none"> <li>Submit the replication plan to riparian countries for approval</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
A3.3.3.	<ul style="list-style-type: none"> <li>Incorporate the replication plan in the SAP</li> </ul>		<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A



## **2.2 Report on status of achievements of project objectives and outputs**

26. Tables 5, 6 and 7 provide an overview of the status of achievement of the various project objectives and outputs as per the project logical framework.

**Table 5 - Status of achievements of project outputs: Specific Objective 1**

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>			
1.1 Project management and co-ordination established, including project monitoring and evaluation plan and co-operation mechanisms with other relevant projects/initiatives	<b>Project management bodies established and functional by year 1:</b> <ul style="list-style-type: none"> <li>• Project Management Unit</li> <li>• Project Task Force</li> <li>• National Focal Points</li> <li>• Project Steering Committee (Ministries of environment and water resources are both represented in the PSC)</li> <li>• National Implementation Committees (key ministries and other stakeholders are represented)</li> </ul>	<ul style="list-style-type: none"> <li>• PMU established and functional</li> <li>• National Focal Points (Institutional Focal Points and Operational Focal Points) nominated/appointed by high level authorities and functional</li> <li>• Project Task Force Members appointed and functional</li> <li>• Project Steering Committee (PSC) established and functional</li> <li>• NIC established in the 6 riparian countries and functional</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the office renovation and supply of office furniture due to procurement procedures by the hosting institution</li> <li>• Delay in the: i-) appointment of NFP, PTF ii-) establishment of PSC</li> </ul>
	<ul style="list-style-type: none"> <li>• LOUs on project implementation signed with riparian countries by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• MOAs signed with the 6 riparian countries as per project budget</li> </ul>	<ul style="list-style-type: none"> <li>• Delay due to difficulty in negotiating and agreeing on the national contributions. This was due to the need for national partners to confirm earlier commitments made during the project development and concerns that initial commitments are not possible in the present context of riparian countries</li> </ul>
	<ul style="list-style-type: none"> <li>• Project monitoring &amp; evaluation plan finalised, including projects indicators (process + stress reduction) by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• Project M&amp;E plan prepared and approved by the Project Steering Committee (PSC).</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the updating of stress reduction indicators and corresponding baseline data due to the delay in the finalisation of Demo Projects documents</li> </ul>
	<ul style="list-style-type: none"> <li>• Project M &amp; E plan implemented and indicators monitored</li> </ul>	<ul style="list-style-type: none"> <li>• Project institutional framework in place</li> <li>• 1<sup>st</sup> PSC meeting organised</li> <li>• Half-Year Report (HYR) and financial reports prepared and approved by UNEP/DGEF</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Analysis of all relevant national and regional projects and initiatives conducted and collaboration plan developed by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing/planned national/regional initiatives identified and collaboration plan drafted</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners. This impacted the finalisation of the regional synthesis.</li> </ul>
	<ul style="list-style-type: none"> <li>• Linkages and cooperation established with GCLME and other GEF IAs by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• Several discussions were undertaken with the GCLME project in view of collaboration</li> </ul>	<ul style="list-style-type: none"> <li>• Collaboration with the GCLME Project has been impacted by the ongoing institutional challenges faced by the GCLME</li> </ul>

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>			
	<ul style="list-style-type: none"> <li>• Linkages and cooperation established with other Sahel basin projects and other complementary projects in the region by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• Several discussions were undertaken with different projects partners in view of collaboration: IUCN/PAGEV, Volta-HYCOS, SIAAP, BFP-Volta, GWP West Africa, ECOWAS/WRCU, EU Volta Initiative, IWMI, GLOWA, Volta Observatory Project, GEF Niger and GEF Senegal Projects, etc.</li> </ul>	N/A
1.2 Enhanced capacity for sustainable international basin management including education, training, institutional development	<ul style="list-style-type: none"> <li>• Training needs of national institutions for IRB management identified and training plan developed by year 2</li> </ul>	<ul style="list-style-type: none"> <li>• Training needs identified and prioritised, and training plans prepared both at the national and regional levels.</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners.</li> </ul>
	<ul style="list-style-type: none"> <li>• Number of replicable modules, public awareness material and other training material relevant to train on IRB management developed and disseminated by year 2</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Number of country-based workshops on IRB management organized by year 3</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Categories and number of staff trained in the key institutions by year 3</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
1.3 Stakeholders fully involved	<ul style="list-style-type: none"> <li>• Stakeholders' involvement plan developed by year 1 and implemented</li> </ul>	<ul style="list-style-type: none"> <li>• Key stakeholders identified and involvement plan drafted both at national and regional levels</li> <li>• Plan for involving stakeholders in the TDA/SAP developed and incorporated in the methodology for TDA/SAP development</li> </ul>	<ul style="list-style-type: none"> <li>• Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners.</li> </ul>
	<ul style="list-style-type: none"> <li>• Training gaps for stakeholders' involvement in the project activities (mainly TDA, SAP and APNP-VRB process) identified and national level training plan developed and implemented</li> </ul>	<ul style="list-style-type: none"> <li>• Study on training needs of stakeholders ongoing and training needs identified and prioritised, and training plans prepared both at the national and regional levels</li> <li>• TDA/SAP process training session organised for National partners and stakeholders in Benin from 15 to 19 September 2008</li> </ul>	
	<ul style="list-style-type: none"> <li>• Number and categories of stakeholders involved in the TDA, SAP, APNP-VRB and other project activities</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB</b>			
1.4 Basin wide networking, data production and information exchange strategy and mechanisms developed, including: (i) thematic studies; (ii) project database and website established and functioning, and, (iii) hydrological and coastal hydrodynamics models developed.	<ul style="list-style-type: none"> <li>Available data and information at country level inventoried and analyzed and gaps identified by year 2</li> </ul>	<ul style="list-style-type: none"> <li>Existing metadata and information at national level have been identified and analysed, including hosting institutions, space/time scales, format, database and gaps</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners.</li> </ul>
	<ul style="list-style-type: none"> <li>Training gaps for data management and monitoring identified by year 2 and national level training packages developed and implemented by year 2</li> </ul>	<ul style="list-style-type: none"> <li>Training needs of data hosting institutions identified and prioritised, and training plans prepared both at the national and regional levels</li> </ul>	
	<ul style="list-style-type: none"> <li>Project database developed by year 1 and updated at regional and national levels</li> </ul>	<ul style="list-style-type: none"> <li>Metadata and Data hosting institutions identified and discussion ongoing with IWLEARN and UNEP for the development of the database</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>Relevant data and information collected and monitored in all countries and included in TDA, SAP and APNP-VRB process</li> </ul>	<ul style="list-style-type: none"> <li>Data and information collected through the ongoing studies on: i-) analysis of National Institutions including ongoing/planned initiatives and collaboration plan, ii-) development of Stakeholders Involvement Plan and, iii-) establishment of Regional Information and Data Exchange Mechanism in the Volta River Basin</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national consultants and lack of coordination/feedback from national partners.</li> </ul>
	<ul style="list-style-type: none"> <li>Hydrological and coastal hydrodynamic models developed by year 3 and operational</li> </ul>	<ul style="list-style-type: none"> <li>Discussions conducted with the EU Volta Initiative and tentative understanding reached on strategy and procedures/approach to develop models for the basin.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>At least 2 thematic studies carried out on water and related natural resources of the Volta River Basin based on identified gaps (by year 3)</li> </ul>	<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>Feasibility study of the regional Volta Basin Observatory completed and approved by the VBA by end of year 3</li> </ul>	<ul style="list-style-type: none"> <li>Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>Project website developed by year 1 and maintained</li> </ul>	<ul style="list-style-type: none"> <li>Project website developed and functional</li> </ul>	N/A

**Table 6 - Status of achievements of project outputs: Specific Objective 2**

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>			
2.1 Management tools provided through project activities to the regional coordination mechanism (Volta Basin Authority)	<ul style="list-style-type: none"> <li>• VBA and Volta Basin Technical Committee established, operational with concrete work plan developed incorporating SAP and APNP-VRB</li> </ul>	<ul style="list-style-type: none"> <li>• VBA and Volta Basin Technical Committee established and functional (just for record)</li> <li>• VBA and Volta Basin Technical Committee participate to the GEF Volta Project activities both at national and regional levels</li> </ul>	N/A
2.2 Convention for the sustainable management of the Volta River Basin ratified and entered in force	<ul style="list-style-type: none"> <li>• Project meetings at Ministerial level advocate importance of ratifying the convention</li> <li>• Convention ratified by RBO riparian countries</li> </ul>	<ul style="list-style-type: none"> <li>• Importance of the Volta Basin Convention and its ratification were discussed with high level authorities during the inception mission and also during regional meetings and workshops</li> <li>• Volta Basin Convention ratified by 4 out of the 6 riparian's countries: Burkina Faso, Ghana, Mali and Togo</li> </ul>	<ul style="list-style-type: none"> <li>• Ratification documents have to be deposited by at least 4 countries before the convention enters into force</li> </ul>
2.3 Transboundary Diagnostic Analysis (TDA) updated and completed	<ul style="list-style-type: none"> <li>• Final TDA approved by the project Steering committee by end of year 2</li> </ul>	<ul style="list-style-type: none"> <li>• Critical review of the preliminary TDA and detailed methodology and work plan for TDA development completed</li> </ul>	N/A
2.4 Strategic Action Programme (SAP) for the integrated management of the Volta River Basin developed with concrete investments identified to address priority transboundary problems	<ul style="list-style-type: none"> <li>• SAP available and approved by the Steering Committee by end of year 4.</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed methodology and work plan for SAP development completed</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Financing strategies for SAP implementation and beyond SAP lifespan developed by year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Final SAP endorsed at ministerial level (Water and Environment Ministers) by end of year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• VBA adopt SAP into their work plan as mechanism for the implementation of the convention by end of year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Set of relevant indicators including monitoring plan based on EQSs defined and approved at regional and national levels by year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	N/A
2.5 Action Plans for the National Parts of the VRB (APNP-	<ul style="list-style-type: none"> <li>• APNP-VRB finalised and endorsed at country level by end of year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed methodology and work plan for APNP-VRB development completed.</li> </ul>	N/A

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 2: Develop river basin legal, regulatory and institutional frameworks, and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area</b>			
VRB) to restore and maintain the ecological integrity of the national part of the basin developed	• Financing strategies for APNP-VRB implementation and beyond APNP-VRB lifespan developed	• Not planned for the reporting period.	N/A
	• APNP-VRB developed in line with IWRM process	• Not planned for the reporting period.	N/A
2.6 Measure in place to harmonise the sectoral plans at national level with the SAP/APNP-VRB	• Sector based assessment on key TDA issues and outlining sectoral actions to be included in the APNP-VRB completed by year 3	• Not planned for the reporting period.	N/A
2.7 Enhanced capacity of governments to implement policies and strategies that address SAP/APNP-VRB priorities	• Training needs for SAP and APNP-VRB implementation identified and national level training packages developed and implemented by year 4	• Not planned for the reporting period.	N/A

**Table 7 - Status of achievements of project outputs: Specific Objective 3**

Intervention logic	Objectively verifiable indicators	Status	Problems encountered, including action taken
<b>Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin</b>			
3.1 Three Demo project successfully implemented	• MOUs on Demo projects implementation signed with riparian countries by year 1	• Potential partners for the implementation of the Demo Projects identified and discussions are ongoing	N/A
	• Three Demo projects executed resulting in stress reduction (see demo logframe) by year 3	• For each demo project situation analysis, logframe, activities, work plan and budget have been revised	• Delay in the submission of reports by consultants and lack of coordination/ feedback from national partners
	• Lessons learned from the 3 Demo projects documented and incorporated in SAP and APNP-VRB documents by year 4	• Not planned for the reporting period.	N/A
3.2 Six national Demo projects are prepared to be submitted to co-funding partners	• Six Demo project concept documents developed and approved at regional and national levels by year 4	• Not planned for the reporting period.	N/A
	• Financing strategies for the implementation of the 6 Demo projects developed and approved at regional and national levels by year 4	• Not planned for the reporting period.	N/A
3.3 Replication plan for the Demo project developed	• Plan for the replication of Demo projects developed by the project, approved by the six countries and incorporated in the SAP by year 3	• Not planned for the reporting period.	N/A

### 3. Report on changes/delays in project delivery and remedial action

27. The inception report of the GEF-Volta Project, including revised project logframe, activities, work plan, budget and institutional framework was finalised during the reporting period and key findings were discussed during the 1<sup>st</sup> Project Steering Committee (PSC) meeting held in Bamako, Mali from 13 to 15 May 2008. Based upon these discussions, a number of responses to the issues raised were agreed upon and recommendations made where applicable, including:

- appointment of consultants for the baseline situation analysis and the review of project documents for the demonstration projects,
- guidelines on reporting and monitoring method of the cash and in-kind co-financing from partners and participating countries
- development of clear mechanisms in order to give a material and methodological support to the National Institutional Focal Points and the National Implementation Committees to enable them to successfully fulfil their functions within the project
- need for riparian countries to ratify the Volta basin convention
- preparation of cost analysis of project travel in the region with the justification for the purchase of a vehicle for project partners' consideration
- detailed information on ongoing and planned national and regional initiatives and projects that have direct or indirect linkages to the activities of the UNEP/GEF Project
- additional resources to be sought for implementing the joint demonstration project Ghana-Togo on the preservation of coastal aquifers from salinisation, which was not included in the final project document
- appointment of 6 regional experts as Project Task Force to help the PMU with specific activities

28. Further details on specific problems encountered, and action taken to solve them have been presented in sections 2.1 and 2.2. Nevertheless, the main bottleneck of the reporting period are due to:

- delay in finalising the agreement between UNEP and UNEP DHI Centre which impacts on the finalisation of the project inception report, the recruitment of project task force members, the recruitment of consultants for the review of demonstration projects, the organisation of training of TDA/SAP process for National coordinators and National Operational Focal Points
- delay in the submission of reports by consultants and lack of coordination/ feedback from national partners on specific issues as presented in Tables 2, 3 and 4,
- non mobilisation of national co-finance contribution as pledged by Governments of riparian countries during the PDF-B phase and confirmed during the inception period.

### 4. Financial report

29. The detailed financial report presented in Table 8 has been prepared by the Executing Agency (UNOPS) and submitted in a separate report to UNEP/DGEF. The total amount spent during the year 2008 is 730,991.28\$ while the total budget for the same year was estimated at 1,470,862.8\$. This is mainly due to the fact that the budget was approved late and also to the delay in signing MOAs with riparian countries and agreement with UDC as planned. Some of the activities planned for 2008 had to be postponed to 2009 (development of training modules, development of project database, etc.).

30. In addition to the above, the demonstration projects didn't start as planned. This is due to the need for the PMU to conduct a deep review of each demonstration project as recommended by the PSC in May 2008 about five months after the submission of the budget to the UNEP DGEF. About 300,000\$ was supposed to be transferred to project partners in the framework of MOAs for the implementation of demonstration projects and technical support to the project.

31. Also the changes in the US dollar value affected the salaries of PMU national staff, the payment of national consultants in local currency (CFA and Cedis) and the procurement of office equipment as well as workshops and travel costs.

**Table 8 – Summary of project expenditures (2008 activities)**

UNEP BUDGET LINE/OBJECT OF EXPENDITURE		2008		
		Budget US\$	Expenditure US\$	Balance US\$
<b>10</b>	<b>PROJECT PERSONNEL COMPONENT</b>			
	<b>1100 Project Personnel w/m</b>			
	(Show title/grade)			
	1101 Salary of international staff	334,180.00	252,785.22	23,011.63
	1199 Sub-Total	<b>334,180.00</b>	<b>252,785.22</b>	<b>81,394.78</b>
	<b>1200 Consultants w/m</b>			
	(Give description of activity/service)			
	1201 Consultants for Specific Objective 1: Build capacity, improve knowledge and enhance stakeholders' involvement to support the effective management of the VRB	249,500.00	129,951.19	119,548.81
	1202 Consultants for Specific Objective 2: Develop river basin legal, regulatory and institutional frameworks and management instruments for addressing transboundary concerns in the Volta River Basin and its downstream coastal area	40,800.00	34,561.46	6,238.54
	1203 Consultants for Specific Objective 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin	32,000.00	25,761.46	6,238.54
	1299 Sub-Total	<b>322,300.00</b>	<b>190,274.11</b>	<b>132,025.89</b>
	<b>1300 Administrative support w/m</b>			
	(Show title/grade)			
	1301 Salaries of national staff (Admin. Ass. And secretary)	13,040.00	14,731.52	(1,691.52)
	1399 Sub-Total	13,040.00	14,731.52	(1,691.52)
	<b>1600 Travel on official business (above staff)</b>			
	1601 Travel PMU Staff	55,000.00	43,278.47	11,721.53
	1602 Travel project partners	13,500.00	2,620.00	10,880.00
	1699 Sub-Total	68,500.00	45,898.47	22,601.53
<b>1999 Component Total</b>	<b>738,020.00</b>	<b>503,689.32</b>	<b>234,330.68</b>	
<b>20</b>	<b>SUB-CONTRACT COMPONENT</b>			
	<b>2200 Sub-contracts (MoU's/LA's for non-profit supporting organizations)</b>			
	2201 MOAs with riparian countries	50,250.00	47,736.00	2,514.00
	2202 MOA with partner for Demo Project 1	44,040.00		44,040.00

	2203	MOA with partner for Demo Project 2	101,880.00		101,880.00
	2204	MOA with partner for Demo Project 3	105,360.00		105,360.00
	2205	MOA with LTHE/AMMA	15,000.00		15,000.00
	2206	LOA with UCC Water	12,750.00		12,750.00
	2207	MOA with International organisation including GEF/SAHEL Projects	18,750.00		18,750.00
	2299	Sub-Total	348,030.00	47,736.00	300,294.00
	<b>2999</b>	<b>Component Total</b>	<b>348,030.00</b>	<b>47,736.00</b>	<b>300,294.00</b>
<b>30</b>		<b>TRAINING COMPONENT</b>			
	<b>3200</b>	<b>Group training (study tours, field trips, workshops, seminars, etc) (give title)</b>			
	3203	Support and co-organise the celebration of international water or environment events in riparian countries	10,000.00	10,000.00	
	3206	Training of national NFP and their assistants on TDA/SAP process (including 1st PTF meeting)	48,000.00	52,118.04	(4,118.04)
	3299	Sub-Total	58,000.00	62,118.04	(4,118.04)
	<b>3300</b>	<b>Meetings/conferences (give title)</b>			
	3301	5 Project Steering committee meetings	39,000.00	39,000.00	
	3303	Organize 6 workshops at country level with stakeholders and national institutions (TDA)	42,000.00		42,000.00
	3399	Sub-Total	81,000.00	39,000.00	42,000.00
	<b>3999</b>	<b>Component Total</b>	<b>139,000.00</b>	<b>101,118.04</b>	<b>37,881.96</b>
<b>40</b>		<b>EQUIPMENT &amp; PREMISES COMPONENT</b>			
	<b>4100</b>	<b>Expendable equipment (items under (\$1,500 each, for example)</b>			
	4101	Office supplies (including Toners for printers, Fax, photocopier,...)	3,750.00	3,506.98	243.02
	4102	Library acquisitions	4,500.00	946.43	3,553.57
	4103	Computer Software	3,000.00	885.31	2,114.69
	4199	Total	11,250.00	5,338.72	5,911.28
	<b>4200</b>	<b>Non-expendable equipment (computers, office equip, etc)</b>			
	4201	Computer Hardware ( Inc. 2 Laptop, copier)	36,000.00	9,561.58	26,438.42
	4203	Digital Video/Camera	2,100.00		2,100.00
	4299	Sub-Total	38,100.00	9,561.58	28,538.42
	<b>4300</b>	<b>Premises (office rent, maintenance of premises, etc)</b>			
	4301	Office Maintenance	1,500.00		1,500.00
	4399	Sub-Total	1,500.00		1,500.00

	<b>4999</b>	<b>Component Total</b>	<b>50,850.00</b>	<b>14,900.30</b>	<b>35,949.70</b>
<b>50</b>		<b>MISCELLANEOUS COMPONENT</b>			
	<b>5200</b>	<b>Reporting costs (publications, maps, newsletters, printing, etc)</b>			
	5201	Document project implementation and communicate results through publications, regional and internal reports, project newspaper and project website including translation	70,000.00	2,950.20	67,049.80
	5202	Document lessons learned from the 3 demonstration projects documented and incorporate them in SAP and NAPs documents			
	5299	Sub-Total	70,000.00	2,950.20	67,049.80
	<b>5300</b>	<b>Sundry (communications, postage, freight, clearance charges, etc)</b>			
	5301	Communication	12,500.00	3,749.29	8,750.71
	5303	Unspecified	3,510.00		3,510.00
	5399	Sub-Total	16,010.00	3,749.29	12,260.71
	<b>5999</b>	<b>Component Total</b>	<b>86,010.00</b>	<b>6,699.49</b>	<b>79,310.51</b>
<b>Others</b>		UNDP Charges		2,700.63	(2,700.63)
		<b>TOTAL COSTS</b>	<b>1,361,910.00</b>	<b>676,843.78</b>	<b>685,066.22</b>
		<b>Project Execution Costs -UNOPS (8%)</b>	<b>108,952.80</b>	<b>54,147.50</b>	<b>54,805.30</b>
		<b>GRAND TOTAL COSTS</b>	<b>1,470,862.80</b>	<b>730,991.28</b>	<b>739,871.52</b>



## **5. Annexes**

### 5.1 Annex 1: Regional meetings held during the reporting period

N.	Meeting Type	Title	Venue	Date	Convened by	Organized by	No. of Participants	Report Issued as doc. No.	Language	Dated
1.	Project Steering Committee Meeting	First Steering Committee Meeting of the UNEP/GEF Volta River Basin Project	Bamako, Mali	13-15 May	Malian Ministry of Environment and Sanitation	GEF Volta Project/PMU	34	UNEP/GEF/Volta /PSC. 1/2008	English and French	May 2008
2.	PTF meeting	First Meeting of the GEF Volta Project Task Force Members	Cotonou, Benin	14 Sept.	PMU	GEF Volta Project/PMU	10	N/A	English and French	Sept. 2008
3.	Training	Regional training on TDA/SAP process	Cotonou, Benin	15-19 Sept.	Benin Ministry in charge of Environment	GEF Volta Project/PMU	39	UNEP/GEF/Volta /TR.1/2008	English	Sept. 2008

**5.2 Annex 2: Publications/Reports of meetings produced during the reporting period**

No	Type	Title	Author(s) / Editor(s)	Publisher	Publication Date
1.	Meeting report	Report of the First Steering Committee Meeting of the UNEP/GEF Volta River Basin Project: Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area	Hubert Onibon and Olumide Akinsola	UNEP-GEF Volta Project	May 2008
2.	Inception report	Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area: Inception Report	Hubert Onibon	UNEP-GEF Volta Project	June 2008
3.	Training report	Report of the regional training on Transboundary Diagnostic Analysis and Strategic Action Program process	George de Gooijer and Cyriaque Adjnacou	UNEP-GEF Volta Project	September 2008
4.	Consultancy report	Review of the preliminary TDA and detailed methodology for TDA finalisation and SAP development	Daniel Malzbender & Anton Earle	UNEP-GEF Volta Project	December 2008
5.	Consultancy report	Étude de faisabilité et actualisation du document du projet de démonstration 1 intitulé : Mécanisme d'alerte précoce d'annonce des crues fondé sur une meilleure connaissance du milieu physique du complexe MOUHOUN – SOUROU (Burkina – Mali)	Bamba Fatogoma and Mihin Bapobé Jean-Pierre	UNEP-GEF Volta Project	December 2008 (Draft)
6.	Consultancy report	Étude de faisabilité et actualisation du document du projet de démonstration 2 intitulé : Installation et comparaison de modèles technologiques de traitement des l'eau usée et des boues de vidange dans les villes de Kara (Togo) et Natitingou (Bénin)	CREPA Togo	UNEP-GEF Volta Project	December 2008 (Draft)
7.	Consultancy report	Feasibility study and review of the demonstration project 3: Restoring and protecting the river beds of the Black Volta and its tributaries through participative campaigns of reforestation (Côte d'Ivoire and Ghana)	GOULA Bi Tie Albert and TACHIE – OBENG Emmanuel	UNEP-GEF Volta Project	December 2008 (Draft)
8.	Consultancy report	Établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Rapport National Bénin)	Aurélien A.Y. TOSSA	UNEP-GEF Volta Project	December 2008
9.	Consultancy report	Établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Rapport National Burkina Faso)	François OUEDRAOGO	UNEP-GEF Volta Project	December 2008
10.	Consultancy report	Établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Rapport National Côte d'Ivoire)	ANE Sale	UNEP-GEF Volta Project	December 2008
11.	Consultancy report	Establishment of a regional information and data exchange mechanism in the Volta River basin (National report Ghana)	NII BOI AYIBOTELE	UNEP-GEF Volta Project	December 2008
12.	Consultancy report	Établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Rapport National Mali)	Diakité Ibrahima	UNEP-GEF Volta Project	December 2008
13.	Consultancy report	Établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Rapport National Togo)	EGUE Kokou	UNEP-GEF Volta Project	December 2008

No	Type	Title	Author(s) / Editor(s)	Publisher	Publication Date
14.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées dans le bassin de la volta (Rapport National Bénin)	TENTE A. Brice Hugues	UNEP-GEF Volta Project	December 2008
15.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées dans le bassin de la volta (Rapport National Burkina Faso)	Moussa OUEDRAOGO	UNEP-GEF Volta Project	December 2008
16.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées (Rapport National Côte d'Ivoire)	JOURDA Jean Patrice	UNEP-GEF Volta Project	December 2008
17.	Consultancy report	Study on the analysis of national institutions, including ongoing/planned initiatives in the Volta River Basin (National Report Ghana)	CHARLES QUANSAH	UNEP-GEF Volta Project	December 2008
18.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées dans le bassin de la volta (Rapport National Mali)	CAMARA Mohamed	UNEP-GEF Volta Project	December 2008
19.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées dans le bassin de la volta (Rapport National Togo)	DZOGBEDO Agbényo	UNEP-GEF Volta Project	December 2008
20.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Bénin)	Moussa YACOUBOU	UNEP-GEF Volta Project	December 2008 (Draft)
21.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Burkina Faso)	Issa SANOU	UNEP-GEF Volta Project	December 2008
22.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Côte d'Ivoire)	Goh Denis	UNEP-GEF Volta Project	December 2008 (Draft)
23.	Consultancy report	Study relating to the development of Stakeholders Involvement Plan (National Report Ghana)	J.A. Bakang	UNEP-GEF Volta Project	December 2008 (Draft)
24.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Mali)	Ibrahim Maiga	UNEP-GEF Volta Project	December 2008
25.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Togo)	GBEMOU Kokou	UNEP-GEF Volta Project	December 2008 (Draft)
26.	Consultancy report	Etude portant sur l'analyse des institutions nationales et les initiatives en cours/planifiées dans le bassin de la volta (Synthèse régionale)	Amidou GARANE	UNEP-GEF Volta Project	December 2008
27.	Consultancy report	Etude sur l'établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Synthèse régional Volume 1)	Louis Blanc Traoré	UNEP-GEF Volta Project	December 2008
28.	Consultancy report	Etude sur l'établissement d'un système régional d'échange des données et informations relatives au bassin versant de la Volta (Synthèse régional Volume 2)	Louis Blanc Traoré	UNEP-GEF Volta Project	December 2008

### 5.3 Annex 3: Other Key Outputs/Activities during the reporting period

No	Description
1.	Inception mission of the Regional Project Coordinator in the riparian countries to discuss with national and regional partners
2.	Participation of the Regional Project Coordinator to the Africa Water Week (Tunisia)
3.	Mission of the Regional Project Coordinator in Denmark to discuss UCC partners inception report, project review and UCC role and responsibility
4.	Missions of the Regional Project Coordinator in France to discuss demonstration project 2 and collaboration opportunities with SIAAP and UNESCO
5.	Missions of the Regional Project Coordinator in Mali and Burkina Faso to discuss national contributions and finalise MOAs
6.	Participation of the Science and Information Officer to validation workshop on Water Quality of the White Volta basin (Tamale, Ghana)
7.	Participation of the Regional Project Coordinator to the regional seminar on Building adaptive capacity - Mainstream adaptation strategies to climate change in managing African transboundary river basins (Entebbe – Uganda)
8.	Mission of UNOPS Nairobi Senior Portfolio Assistant in Accra (Training of national staff on UNOPS rules, procedures and regulation)
9.	Participation of the Science and Information Officer to UNEP/IW Learn information technology workshop (Athens, Greece)
10.	Participation of the Regional Project Coordinator to the Pilot Course on Transboundary Groundwater (TBGW) Integrated Management (Thessaloniki, Greece)
11.	Participation of the Regional Project Coordinator to the IV International Symposium on Transboundary Waters Management (Thessaloniki, Greece)
12.	Participation of the Regional Project Coordinator to the ECOWAS/WRCC Technical Experts Committee and Ministerial Committee meetings (Bamako Mali)
13.	Participation of the Regional Project Coordinator to the VBA Experts and VBA Ministerial Council meetings (Bamako Mali)
14.	Participation of the Science and Information Officer to the workshop on Building Adaptive Capacity Mainstream Adaptation Strategies to Climate Change in Managing Sahel Transboundary River Basins (Abuja, Nigeria)
15.	Mission of the of the Regional Project Coordinator and UNEP DHI Centre representation in Burkina Faso for the Preparation and harmonization of the annual work plan with VBA, IUCN/PAGEV, ECOWAS and VOLTA HYCOS

### 5.4 Annex 4: Sub-contracts issued during the reporting period

No.	Name of sub-contractors	Country	Objective of the contract
1.	Hotel Massaley	Mali	1st PSC Meeting (Hotel and Conference rooms, lunch, coffee break)
2.	CREPA Togo	Togo	baseline situation analysis and preparation of detailed project document of the Demonstration project 2
3.	Hotel du Lac	Benin	PTF Meeting and Training on TDA/SAP (Hotel and Conference rooms, lunch, coffee break)
4.	Alamo Car Rental	Ghana	PTF Meeting and Training on TDA/SAP (Car rental)
5.	African Centre for Water Research	South Africa	Review of the preliminary TDA document and provision of methodology for new TDA and SAP development

**5.5 Annex 5: Staffing details (personnel, experts, consultants)**

No.	Name of expert	Nationality	Functional title
1.	Hubert Onibon	Benin	Regional Project Coordinator
2.	Olumide Akinsola	Nigeria	Science and Information Officer
3.	Abigail Sackar	Ghana	Administrative Assistant
4.	Angelika Quaye	Togo	Bilingual Secretary
5.	Compaore Athanase	Burkina Faso	Project Task Force Member
6.	Augou Antoine	Côte d'Ivoire	Project Task Force Member
7.	Elegbe Victoire	Benin	Project Task Force Member
8.	SAMAKÉ Amadou	Mali	Project Task Force Member
9.	Adoté Blim Blivi	Togo	Project Task Force Member
10.	ANKU, Samuel Dzigbordi Ernest Kwame	Ghana	Project Task Force Member
11.	Frederic Janssens	New Zealand	Translator: Translation of the Inception report into French
12.	Cyriaque Adjinaou	Benin	Facilitator: Facilitation of regional training on TDA/SAP Process
13.	Gregorius George de Gooijer	Netherlands	Trainer: Training of national partners on TDA/SAP process
14.	Gomez Roger	Benin	Interpreter: Training of national partners on TDA/SAP process
15.	Mihin Bapobé Jean-Pierre	Burkina Faso	Consultant: Review of Demo Project 1
16.	Bamba Fatogoma	Mali	Consultant: Review of Demo Project 1
17.	Emmanuel Tache-Obeng	Ghana	Consultant: Review of Demo Project 3
18.	Albert Goula	Côte d'Ivoire	Consultant: Review of Demo Project 3
19.	Louis Blanc TRAORE	Burkina Faso	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
20.	GARANE Amidou	Burkina Faso	Consultant: Analysis of national institutions including ongoing/planned initiatives
21.	Albert Goula	Côte d'Ivoire	Consultant: Development of Stakeholders Involvement Plan
22.	Aurélien A.Y. TOSSA	Benin	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
23.	François OUEDRAOGO	Burkina Faso	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
24.	ANE Sale	Côte d'Ivoire	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
25.	NII BOI AYIBOTELE	Ghana	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
26.	Diakité Ibrahima	Mali	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
27.	EGUE Kokou	Togo	Consultant: Establishment of Regional Information and Data Exchange Mechanism in the VRB
28.	TENTE A. Brice Hugues	Benin	Consultant: Analysis of national institutions including ongoing/planned initiatives
29.	Moussa OUEDRAOGO	Burkina Faso	Consultant: Analysis of national institutions including ongoing/planned initiatives
30.	JOURDA Jean Patrice	Côte d'Ivoire	Consultant: Analysis of national institutions including ongoing/planned initiatives
31.	CHARLES QUANSAH	Ghana	Consultant: Analysis of national institutions including ongoing/planned initiatives
32.	CAMARA Mohamed	Mali	Consultant: Analysis of national institutions including ongoing/planned initiatives
33.	DZOGBEDO Agbényo	Togo	Consultant: Analysis of national institutions including ongoing/planned initiatives



34.	Moussa YACOUBOU	Benin	Consultant: Development of Stakeholders Involvement Plan
35.	Issa SANOU	Burkina Faso	Consultant: Development of Stakeholders Involvement Plan
36.	Goh Denis	Côte d'Ivoire	Consultant: Development of Stakeholders Involvement Plan
37.	J.A. Bakang	Ghana	Consultant: Development of Stakeholders Involvement Plan
38.	Ibrahim Maiga	Mali	Consultant: Development of Stakeholders Involvement Plan
39.	GBEMOU Kokou	Togo	Consultant: Development of Stakeholders Involvement Plan