



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 2010





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## List of abbreviations and acronyms

<b>Abbreviation</b>	<b>Definition</b>
APNP-VRB	Action Plan for the National Part of the VRB
DEWA	Division of Early Warning and Assessment
DGEF	Division of GEF Coordination
ECOWAS/WRCCC	Economic Community Of West African States/Water Resources Coordination Centre
EU	European Union
GEF	Global Environment Facility
GWP	Global Water Partnership
GWP-WAWP	Global Water Partnership-West Africa Water Partnership
HYCOS	Hydrological Cycle Observation System
ICARM	Integrated Coastal Area and River Basin Management
IRB	International River Basin
ISS	Information Sharing System
IUCN	International Union for Conservation of Nature and Natural Resources
IW-LEARN	Internal Water Learn
IWRM	Integrated Water Resources Management
KEOC	KEnya Operation Centre
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
PTF	Project Task Force
RBO	River Basin Organisation
SAP	Strategic Action Program
SIAAP	Syndicat Interdépartemental pour l'Assainissement de l'Agglomération de Paris
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
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNOPS	United Nations Office for Project Services
VBA	Volta Basin Authority
VRB	Volta River Basin
WEAP	Water Evaluation and Planning System
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, and aims to achieve the following three specific objectives, including:

- 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.

By December 2009, the GEF Volta Project had completed its second year of implementation, and had therefore reached its halfway mark. As will be noted in this report, the implementation of the Project is still on course, despite delays in the initiation of certain activities during the first half of the year 2009. The main bottleneck in the implementation of the project activities has been the limited capacity (both in terms of human and financial resources) of the national partners resulting in the lack of coordination/ feedback from national partners on issues, like the coordination of consultants. The change in the UNEP/DGEF structure also created a need for better understanding of the project thereby affecting feedback from UNEP/DGEF and hence activities implementation during the reporting period

The project work plan has undergone a number of revisions in order to address changes required and to keep it abreast with ongoing processes. The project work plan was revised to accommodate emerging situations in the basin, including the ratification and deposition of Ratification Instruments by a minimum of four out of the six riparian countries of the Convention on the Status of the Volta River and Establishment of the Volta Basin Authority which came into force on 14 August 2009.

Based on initial work to draft a Strategic Plan, the GEF Volta Project assisted the VBA to organize a Programming Workshop in Ouagadougou from 10 to 13 August 2009. The objective of the workshop was to establish a programming framework which outline key priorities of the VBA and will assist the VBA and its partners to better focus their efforts in serving the needs and priorities of the Volta Basin while avoiding duplication of efforts. Representatives of all the VBA Member Countries and the major projects on Integrated Water Resource Management of the Volta Basin were in attendance. The discussions were organized alternately through plenary and group sessions to ensure that a greater number of stakeholders could participate. The session enabled the stakeholders to come out with major and shared orientations to ensure the drafting of a 5-year Strategic Plan for the VBA. The 3-day workshop also offered a convenient platform for all stakeholders involved to gradually arrive at a common consensus and vision on the integrated water resource management of the Volta basin. In the end, the deliberations contributed to deepening the common understanding of the role of the Basin Authority and to the finalisation of its Strategic Plan which was presented and approved during the VBA Expert and VBA Council of Ministers meetings held in Accra in December 2009.

The GEF Volta Project has launched the process to update the initial 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 process which peaked with the recruitment of regional and national experts for TDA finalisation was crowned with the regional TDA planning workshop held in Lome Togo during the year. The outcome of this workshop has set the tune for what will be a busy year of activities in 2010 for the project.

The commencement of the implementation of demonstration projects is ongoing with the conclusion of their preparatory stages. Hence following the organisation of the planning workshops with national partners and local stakeholders in the countries involved, the stage is now set for the signing of the



needed MOU with the partners. Nevertheless, the slowness in implementation of the demonstration projects remains the main factor of delay in project implementation.

As detailed in this Annual Report, the project has successfully overcome the main challenges towards achieving the immediate GEF Volta project objectives during the year, thereby providing optimism for the forthcoming years.

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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 2009

**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) with the 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) MOAs or collaboration agreements have been proposed towards the execution of key projects activities.
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.

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

Country/Partner	Initial pledge US\$	Revised pledge (2008) US\$
<b>GEF Support</b>		
Project	5,347,380	5,347,380
PDF – B	472,500	472,500
PDF – A	25,000	25,000
<b>Subtotal GEF</b>	<b>5,844,880</b>	<b>5,844,880</b>
<b>Co-financing</b>		
Benin	418 200	418 200
Burkina Faso		267 353
Côte d'Ivoire	915 000	915 000
Ghana	3 888 270	690 000
Mali	7211	314 270
Togo	819 916	819 916
UNEP	60 000	60 000
Hungary	10 000	10 000
Czech Rep.	50 000	50 000
IUCN	620 000	620 000
ECOWAS/EU <sup>1</sup>	1 962 500	1 962 500
SIAAP <sup>2</sup>	471 000	471 000
MCA Burkina Faso		To be determined
<b>Subtotal Co-financing</b>	<b>9 222 097</b>	<b>6 598 239</b>
<b>Total Project Budget</b>	<b>15 066 977</b>	<b>12 443 119</b>

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

<sup>2</sup> 300,000 euros

## 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. During the reported period the Project Management Unit (PMU) was fully functional and has executed the project in close collaboration with the Interim Volta Basin Authority and with the support of key institutions/partners (National Focal Points, UNEP/DGEF, UNOPS KEOC).
11. The 6 NOFP appointed by national authorities have provided 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 was monitored by the PMU through the submission of monthly reports approved by the National Project Coordinators.
12. Owing to administrative challenges at the national level in financial reporting, the PMU therefore organised a training session for National Operational Focal Points on UNOPS procedures, rules and regulations (Accra, November 2009). The training was conducted by the UNOPS KEOC Senior Portfolio Assistant.
13. The study relating to the analysis of National Institutions including ongoing/planned initiatives the main activities, mandates, institutional frameworks, weakness, strength and training needs was fully completed both at national and regional levels and reports shared with UNEP/DGEF and VBA. These reports were used by different project partners mainly for the scaling up of the PAGEV Project in Togo, the preparation of the Water Charter for the Volta River Basin as well as the preparation and implementation and training plan on IWRM by the EU Volta Project. These reports also form a Framework for the TDA and SAP analyses.
14. The reports (national and regional) of the study on data inventory and assessment, including data sharing mechanism, training gaps and training plan were disseminated during the reporting period and used as guidelines/reference for the preparation of a concept note on the Volta Basin Data sharing and clearinghouse mechanism discussed with the Volta Basin Observatory. The PMU undertook several discussions with the UNEP Division of Early Warning and Assessment (DEWA) and requested its support for i-) the procurement and installation of the ArcGIS software, ii-) the development of the Information Sharing System (ISS) and data platform, iii-) the training of project partners in the population of the portal. The purchase order for the procurement of the ArcGIS hardware and associated accessories has been raised and the training of national partners on the ISS postponed to 2010 due to the delay in feedback from the Volta Basin Observatory on the Clearinghouse Mechanism proposed by the GEF Volta Project.
15. Development of the Stakeholders' involvement plan faced many challenges. Three of the six national consultants and the regional consultant were not able to deliver the assignment as per the agreed ToRs. The PMU has therefore initiated the process for the cancellation of their contracts. Discussions are ongoing with the VBA for the development of stakeholders involvement plan in the framework of its Strategic Plan
16. Based on initial work to draft a Strategic Plan, the GEF Volta Project assisted the VBA to organize a Programming Workshop in Ouagadougou from 10 to 13 August 2009. The objective of the workshop was to establish a programming framework which outlines the key priorities of the VBA and will assist the VBA and its partners to better focus their efforts in serving the needs and priorities of the Volta Basin while avoiding duplication of efforts. Representatives of all the VBA Member Countries and the major projects on Integrated Water Resource Management of the Volta Basin were in attendance. The discussions were organized alternately through plenary and group sessions to ensure that a greater number of stakeholders could participate. The session enabled the stakeholders to come out with major and shared orientations to ensure the drafting of a 5-year Strategic Plan for the VBA. One of the reasons for doing this was to assist the VBA in better coordinating and streamlining the various project initiatives in the basin. The 3-day workshop also

offered a convenient platform for all stakeholders involved to gradually arrive at a common consensus and vision on the integrated water resource management of the Volta basin. In the end, the deliberations contributed to deepening the common understanding of the role of the Basin Authority and to the finalisation of its Strategic Plan which was presented and approved during the VBA Expert and VBA Council of Ministers meetings held in Accra in December 2009.

17. As recommended by the PSC members during the 1<sup>st</sup> PSC Meeting, the GEF Volta Project representatives attended key VBA meetings mainly (see Table 2 for more details): VBA Donor Consultative Group meeting (Ouagadougou, April, 2009), coordination workshop (Ouagadougou, March 2009), VBA Experts and Council of Ministers meetings (Accra Ghana, December 2009), etc.



**Figure 1: Participants at VBA Donors Consultative Group Meeting (Ouagadougou Burkina Faso, April 2009)**

18. The GEF Volta Project has prepared and signed in April 2009, a collaboration framework with the VBA. The long term objective of this collaboration is to ensure that the UNEP-GEF Project outputs are integrated into the VBA work plan as mechanism for the implementation of the convention. It will be achieved through the following five levels of collaboration:
  - Mutual information, exchange of reference documents
  - Reciprocal invitations to attend key events (meetings, workshops, conferences etc.)
  - Coordination of respective activities
  - Organisation of joint activities
  - Endorsement of the GEF Volta Project activities and outcomes by the VBA.
19. The collaboration framework shows how the VBA Executive Directorate and UNEP/GEF Volta Basin Project share common goals and objectives with regard to the conservation and protection natural resources, including the sustainable management of the shared resources in the Volta basin and express their desire to collaborate to further these common goals and objectives within their respective mandates, rules and regulations.
20. As part of its collaboration plan with ongoing initiatives, the project has contributed and/or co-organised joint activities with the IUCN/PAGEV et the EU Volta Project:
  - Facilitation in May 2009 of 2 capacity building workshops on IWRM and local stakeholders involvement organized by the IUCN/PAGEV for key personnel of the decentralized local government structure from Burkina Faso and Ghana. Key issues discussed are: IWRM concepts and principles, role of stakeholders in IWRM, multi-disciplinary character of IWRM (with a strong focus on integration), good water management practices and concepts in agriculture, forestry, environment and planning, operationalisation of IWRM principles in the Volta River Basin and, integrated basin planning.
  - Facilitation of 2 workshops on scaling up PAGEV to cover Togo held in Lome and Kara in October and November 2009 respectively. The workshops were organised in support to the establishment of pilot local committees in Togo (grassroots communities) in view of the establishment of the national basin organisation. The IWRM process in Togo was deeply discussed and, the work plan for the implementation of local IWRM actions to be implemented in 2010 was drafted with inputs from local authorities, institutions and key stakeholders.
  - Co-organisation with IUCN/PAGEV and VBA of the first workshop on Sustainable Groundwater Resources Management for 25 experts of the Volta Basin in Accra in October 2009. This constitutes the first step of the mechanism for the incorporation of groundwater management issues in the VBA activities. The workshop offered opportunities to countries representatives to share information and knowledge and led to the following key recommendations: i-) conduct at national level, studies to assess national and transboundary aquifers, ii-) support in building capacity of national institutions on groundwater resources management, iii-) develop at national level, regulations and guidelines for the protection and sustainable use of groundwater, iv-) encourage the use of isotope techniques for monitoring groundwater, v-) establish a framework for data and information sharing on groundwater resources.
  - Guidelines provided to the EU Volta Project for the trainings of VBA National Focal Points and journalists from riparian countries on IWRM and master plan for sustainable basin resources management held respectively in November 2009 (Ouagadougou, Burkina Faso) and December 2009 (Cotonou, Benin)
  - Participation of the GEF Volta Project representatives to the first training workshop for experts from all the six riparian states of the Volta on the use of the Water Evaluation and Planning System (WEAP) organised in Accra (Ghana) by the IUCN/PAGEV in collaboration with the VBA
  - Contribution to the preparation of the Water Charter through the sharing of key outputs from studies relating the analysis of national/regional institutions and stakeholders
21. During the reporting period, the project information leaflets, stickers were developed (in English

and translated to French) and distributed to countries, partners and during different meetings. Key project reports were translated into French/English and widely disseminated through: the project website, preparation and presentation of the project at different international and regional meetings/workshops and also during courtesy visits to project partners as presented in Table 2 and Annex 3.

22. The project monitoring and evaluation plan was implemented as per the approved inception report. The main mandatory reports (2008 annual report, 2009 work plan, project implementation report) were prepared by the PMU and approved by the UNEP/DGEF. The 2010 work plan & budget prepared and submitted to UNEP/DGEF for approval.



**Figure 2: Brainstorming exercise and group discussions during the capacity building workshop on IWRM and local stakeholders' involvement (Bolgatanga Ghana, May 2009)**

**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**

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
<b>R1.1: Project Managed and coordinated to partners satisfaction</b>				
A1.1.1.	<ul style="list-style-type: none"> <li>Establish the Project Management Unit and governance system including: PMU, MOUs, PSC, PTF, NFP, NIC, Inception report, etc<sup>3</sup></li> </ul>	Completed	<ul style="list-style-type: none"> <li>The PMU is fully functional and executing the project in close collaboration with the Interim Volta Basin Authority and with the support of key institutions/partners (National Focal Points, UNEP/DGEF, UNOPS KEOC)</li> <li>National Operational Focal Points trained on UNOPS procedures, rules and regulations (Accra, November 2009)</li> </ul>	<ul style="list-style-type: none"> <li>Technical support to project execution is weak. A contractual agreement for UDC to provide technical assistance to the project is still pending. Also, in light of budget constraints, UNOPS and UNEP/DGEF took a decision to suspend the input of the project task force until a point that there were additional project outputs (e.g. TDA and/or SAP) forthcoming.</li> </ul>
A1.1.2.	<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 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>The project M&amp;E plan will be updated in January 2010</li> </ul>
A1.1.3.	<ul style="list-style-type: none"> <li>Identify linkages with other partners, develop and implement collaboration plan (including collaboration framework with the VBA)</li> </ul>			
	<ul style="list-style-type: none"> <li>○ support VBA for the finalisation of its programming document and the organisation of coordination meeting with ongoing/planned initiatives</li> </ul>	Completed	<ul style="list-style-type: none"> <li>During the reported period UNEP/GEF Volta Project assisted the VBA to organize a Programming Workshop in Ouagadougou from 10 to 13 August 2009 and to finalise its Strategic Plan which was presented and approved during the VBA Expert and VBA Council of Ministers meetings held in Accra in December 2009</li> <li>Participation in the coordination workshop organised in March 2009 by the VBA: detailed presentation of the GEF Volta Project and discussion on collaboration opportunities with ongoing initiatives; mainly: PAGEV, Volta HYCOS, EU Volta Initiative, Volta Basin Observatory</li> <li>Participation in the workshop organised by the VBA on the validation</li> </ul>	<ul style="list-style-type: none"> <li>Efforts have been made to coordinate with the other projects in the basin. With the EU project and despite several meetings with the project representative and VBA, the collaboration and coordination seems to remain at the level of meetings and information exchange.</li> </ul>

<sup>3</sup> Front style for activities completed: italic

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
			of 2 key studies relating to: i-) Pre-investment programme for the Volta Basin and, ii-) VBA Strategic plan) <ul style="list-style-type: none"> <li>• Organisation of a Joint Project Implementation Meeting between VBA, EU Volta Project and GEF Volta Project at the PMU Office in January 2009</li> <li>• Participation in the VBA Donor Consultative Group meeting held in Ouagadougou, Burkina Faso (April, 2009)</li> <li>• Participation in the VBA Experts Meeting (Accra Ghana, December 2009)</li> <li>• Participation in the VBA Council of Ministers meeting (Accra Ghana, December 2009)</li> <li>• Preparation and signature of collaboration framework with the VBA (April 2009)</li> </ul>	
	○ Implement joint activities with IUCN/PAGEV, EU Volta Project	Continuous	<ul style="list-style-type: none"> <li>• Facilitation of PAGEV training and awareness raising workshops on IWRM and local stakeholders involvement in Tenkodogo (Burkina Faso), Bolgatanga (Ghana)</li> <li>• Facilitation of two consultative workshops on scaling up PAGEV to cover Togo held in Lomé and Kara in October 200 and November 2009 respectively</li> <li>• The GEF Volta Project collaborated with IUCN/PAGEV and VBA to organise the first workshop on Sustainable Groundwater Resources Management for 25 experts of the Volta Basin in Accra in October 2009.</li> <li>• Guidelines provided to the EU Volta Project for the trainings VBA of National focal points and journalists from riparian countries held respectively in November 2009 (Ouagadougou, Burkina Faso) and December 2009 (Cotonou, Benin)</li> <li>• Participation of the GEF Volta Project representatives in the first training workshop for experts from all the six riparian states of the Volta on the use of the Water Evaluation and Planning System (WEAP) organised in Accra (Ghana) by the IUCN/PAGEV in collaboration with the VBA</li> <li>• Contribution to the preparation of the Water Charter through the sharing of key outputs from studies relating the analysis of national/regional institutions and stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</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>
	<ul style="list-style-type: none"> <li>○ Initiate contact with Mano River Authority and Lake Chad Commission, Visit the GEF Okavango</li> </ul>	Postponed	<ul style="list-style-type: none"> <li>● Not implemented</li> </ul>	<ul style="list-style-type: none"> <li>● This activity has been postponed to 2010 upon request from the VBA</li> </ul>
A1.1.4.	<ul style="list-style-type: none"> <li>● Carry out project reports (inception report, Half Yearly and annual reports)</li> </ul>	Completed	<ul style="list-style-type: none"> <li>● Annual report (2008), 2009 work plan &amp; budget and Project Implementation Report completed and approved by UNEP/DGEF</li> <li>● 2010 work plan &amp; budget prepared and submitted to UNEP/DGEF for approval</li> </ul>	<ul style="list-style-type: none"> <li>● Delay in receiving feedback from UNEP/DGEF. This is due to the need for the new UNEP/DGEF Task Manager to understand the project and its institutional framework discuss and agree with the PMU on project activities, work plan, roles and responsibilities</li> </ul>
A1.1.5.	<ul style="list-style-type: none"> <li>● Document project implementation and communicate results through publications, regional and internal reports, project newsletter and project website, presentations of the GEF Volta Project at major regional and international water conferences, radio and TV broadcasts</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>● The Project website was regularly updated during the reported period</li> <li>● Key project reports are translated into French/English, posted on the website and shared with partners</li> <li>● The Project information leaflets, stickers were developed (in English and translated to French) and distributed to countries, partners and during different meetings.</li> <li>● Participation/presentation of the GEF Volta Project in several workshops:                             <ul style="list-style-type: none"> <li>○ GEOS African Water Cycle Symposium (Tunis, Tunisia, January 2009)</li> <li>○ Participation to GWP West Africa General Assembly as collaboration points identified with GWP partner and preparation of African statement for the coming world water forum (Abidjan, Côte d'Ivoire January 2009)</li> <li>○ Celebration of the World Water Day (Accra, Ghana, March 2009)</li> <li>○ 5th World Water Forum (Istanbul, Turkey, March 2009)</li> <li>○ Volta HYCOS Steering Committee Meeting (Ouagadougou, Burkina Faso, May 2009)</li> <li>○ IUCN/PAGEV Steering Committee Meetings (Ouagadougou, Burkina Faso, March 2009 and, Accra Ghana December 2009)</li> <li>○ 5th GEF Biennial International Waters Conference (Cairns, Australia, October 2009)</li> <li>○ Volta Basin Observatory Steering Committee Meeting (Ouagadougou, Burkina Faso, December 2009)</li> <li>○ EU Volta Project Steering Committee Meeting (Lomé Togo December 2009)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>● N/A</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
			<ul style="list-style-type: none"> <li>• 2 Radio discussions respectively on i-) Transboundary water resources issues and, ii-) the implementation of the Demo Project 3 between Ghana and Côte d'Ivoire</li> <li>• Preparation of different national and regional thematic maps of the Volta River Basin. The maps will be edited and disseminated during the first quarter of 2010.</li> </ul>	
<b>R1.2: Capacity &amp; participation of stakeholders in VRB management strengthened</b>				
A1.2.1.	<ul style="list-style-type: none"> <li>• Conduct training on TDA/SAP process for NFPs</li> </ul>	Completed	<ul style="list-style-type: none"> <li>• Activity completed in 2008</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
A1.2.2.	<ul style="list-style-type: none"> <li>• Analysis of national institutions and stakeholders and preparation of stakeholders involvement plan</li> </ul>			
	<ul style="list-style-type: none"> <li>○ Analysis of National Institutions</li> </ul>	Completed	<ul style="list-style-type: none"> <li>• The reports (national and regional) of the study relating to the Analysis of National Institutions including training gaps and plan, ongoing/planned initiatives and collaboration plan were disseminated during the reporting period and used as guideline/reference for 2 major activities conducted under the umbrella of the EU Volta Project: i-) Preparation of the Water Charter and, ii-) Training of VBA National Focal Points on sustainable water resources management. These are also foundational documents for your TDA and SAP</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
	<ul style="list-style-type: none"> <li>○ Develop stakeholders' involvement plan</li> </ul>	Ongoing (40% completed)	<ul style="list-style-type: none"> <li>• Three of the six national consultants and the regional consultant were not able to deliver the assignment as per the agreed ToRs and as a result their contracts were cancelled. The PMU has therefore initiated the process for the cancellation of their contracts. Discussions are ongoing with the VBA for the development of stakeholders involvement plan in the framework of its Strategic Plan</li> </ul>	<ul style="list-style-type: none"> <li>• After a delay of almost a year and despite the support provided to the consultants by the PMU, it is evident that they can not deliver as per the TORs. The PMU has therefore initiated the process for the cancellation of their contracts. Discussions are ongoing with the VBA for the development of stakeholders involvement plan in the framework of its Strategic Plan</li> </ul>
	<ul style="list-style-type: none"> <li>○ Support in collaboration with PAGEV the establishment of pilot local committees in Benin and Togo, Ghana and Côte d'Ivoire (grassroots communities) in view of the establishment of</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>• The GEF Volta Project has facilitated 2 IUCN PAGEV Workshops respectively on: i-) the IWRM process in Togo (Lomé, October 2009) and, ii-) the extension of the PAGEV project to Togo.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</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>
	national basin organisation			
	<ul style="list-style-type: none"> <li>○ Support and co-organise the celebration of international water or environment events in riparian countries</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>• 5000 \$ allocated to Burkina Faso Government for the celebration of the water day at the national level</li> <li>• Support provided for the organisation of the water day celebration and the 1<sup>st</sup> Ghana Water forum in Ghana through presentation and facilitation of discussions on transboundary water resources issues</li> </ul>	<ul style="list-style-type: none"> <li>• The agenda of high level authorities in Burkina Faso didn't allow national partners to organise activities scheduled for 2009. The Directorate in charge of water has therefore requested to postpone the planned activities for the year 2010</li> </ul>
A1.2.3.	<ul style="list-style-type: none"> <li>• Conduct training sessions and awareness raising campaigns for national institutions and stakeholders on IWRM and IRB management</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>• Facilitation/Contribution to 2 training sessions organised by the IUCN PAGEV on IWRM respectively in Tenkodogo (Burkina Faso) and Bolgatanga (Ghana) in May 2001.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
A1.2.4.	<ul style="list-style-type: none"> <li>• Conduct training sessions for national institutions on data management and monitoring and, clearinghouse system</li> </ul>	Postponed	<ul style="list-style-type: none"> <li>• Training postponed to 2010 due to delay in feedback from the Volta Basin Observatory on the Clearinghouse Mechanism proposed by the GEF Volta Project</li> <li>• The project hosted a post graduate intern for 6 months leading to the development of a Master thesis on the Impacts of ecosystem services on human health and well-being of the inhabitants along the White Volta Basin in the Upper East region of Ghana.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
A1.2.5.	<ul style="list-style-type: none"> <li>• Conduct training on SAP implementation at national and regional levels</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
<b>R1.3: Knowledge based expanded &amp; basin-wide communication mechanism in place</b>				
A1.3.1.	<ul style="list-style-type: none"> <li>• <i>Conduct study on data inventory and assessment, including data sharing mechanism, training gaps and training plan (Dissemination of studies reports)</i></li> </ul>	Completed	<ul style="list-style-type: none"> <li>• The reports (national and regional) of the study on data inventory and assessment, including data sharing mechanism, training gaps and training plan were disseminated during the reporting period and used as guideline/reference for the preparation of a concept note on the Volta Basin Data sharing and clearinghouse mechanism discussed with the Volta Basin Observatory</li> <li>• The PMU undertook several discussions with the UNEP Division of Early Warning and Assessment (DEWA) and requested its support for i-) the procurement and installation of the ArcGIS software, ii-) the development of the Information Sharing System and data platform, iii-) the training of data partners in the population of the portal</li> <li>• Purchase order for the procurement of the ArcGIS hardware and associated accessories has been raised</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</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>
A1.3.2.	<ul style="list-style-type: none"> <li>Develop hydrological and coastal hydrodynamic model of the Volta basin and its Downstream Coastal Area</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>As a result of coordination discussions with the VBA and the EU Volta project, it has been decided to develop the hydrological model and carry out the thematic studies through the implementation of the EU Volta Project. Even if the EU Volta Project has closed in December 2009, the Volta Basin Observatory is supposed to take the lead and implement the activity as planned;</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
A1.3.3.	<ul style="list-style-type: none"> <li>Carry out thematic study on relations between catchments area and stream flow</li> </ul>			
A1.3.4.	<ul style="list-style-type: none"> <li>Carry out thematic study on the relations between Volta basin and its Downstream Coastal Area, using ICARM concept</li> </ul>			
A1.3.5.	<ul style="list-style-type: none"> <li>Support and/or contribute to studies on the establishment of the Volta Basin Observatory through database, data collection and data sharing protocol</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>Participation in Volta Basin Observatory and Volta HYCOS steering committee meetings</li> <li>Contribution to the preparation of the Volta Basin Observatory work plan for 2010</li> <li>See also Activity 1.3.1</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
A1.3.6.	<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 reported period</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
A1.3.7.	<ul style="list-style-type: none"> <li>Develop and update project website</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>Project website regularly updated</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

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

23. The specific objective 2 of the project aims to finalize and agree on a 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.
24. 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 was carried out in 2008 and the report of the study approved by the VBA and UNEP DGEF during the reporting period. The report was translated into French and widely disseminated through the project network. It presents the gaps of the preliminary TDA, detailed methodology for TDA finalisation and SAP development including work plan and TORs for TDA and SAP experts both at national and regional levels.
25. A concept note on the TDA finalisation was prepared by the PMU to guide the TDA process based on the key findings of the review. It was shared with the UNEP/DGEF and the VBA and adopted as working document.
26. Regional TDA Consultants (Team Leader, Water resources expert, ecosystems Expert, Governance Expert and Socio-economist) and national consultants (1 consultant per country) for TDA finalisation were recruited/selected and have participated at the regional TDA planning workshop held in Lome Togo (December, 2009). The opening ceremony of the workshop was graciously attended by two high level Government representatives: the Minister in charge of Environment His Excellency Mr. AYIKOE Kossivi, and the Minister of State and Minister in charge of Water His Excellency, General NANDJA Zakari.
27. The main objective of the regional planning workshop was to engage key stakeholders in the Volta River basin, in the participatory process for the development of the scientifically-based TDA for the basin and to establish mechanisms for compiling and/or validating data and information that will feed into the process. Key workshop outputs are summarised as follows:
  - Main transboundary water and associated environmental issues and problems identified and discussed through brainstorming exercises and impact analysis
  - Data gaps and sources of information identified and discussed
  - In-depth discussions conducted on governance (policies, legislation, regulatory and institutional frameworks), socio-economic values, ecosystems and prioritisation of transboundary issues
  - Preliminary discussions conducted on key stakeholders and actors to address trans-boundary issues
  - Methodology and work plan for TDA finalisation at the national and regional level presented and discussed in details.
28. The workshop was attended by 44 participants from ministries in charge of water and environment, researchers for universities, water resources management, governance and legal experts from the basin states, regional and national TDA consultants, representatives of regional institutions and project partners in the basin.



**Figure 3: Interaction between the VBA Executive Director, Dr Charles Biney and the Minister in charge of Environment His Excellency Mr. AYIKOE Kossivi, and the Minister of State, Minister in charge of Water His Excellency, General NANDJA Zakari (TDA planning workshop, Lomé, Togo 7-9 December 2009)**



**Figure 4: Opening ceremony of the TDA planning workshop (Lomé, Togo 7-9 December 2009)**



**Figure 5: Participants to the regional planning TDA workshop (Lomé, Togo 7-9 December 2009)**

**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: VRB regional coordination mechanisms supported (Just for the record)</b>				
A2.1.1.	<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>	Ongoing	<ul style="list-style-type: none"> <li>After ratification and deposition of Ratification Instruments by a minimum of four out of the six riparian countries (Burkina Faso, Ghana, Togo and Mali), the Convention on the Status of the Volta River and Establishment of the Volta Basin Authority came into force on 14 August 2009.</li> <li>Convention also ratified by Benin</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the signing of the ratification documents due to the change of government in Ghana and administrative procedures in Burkina Faso</li> <li>Benin is yet to deposit the ratification documents</li> <li>Côte d'Ivoire is yet to ratify the convention</li> </ul>
A2.1.2.	<ul style="list-style-type: none"> <li>Insert and mainstream the TDA, SAP and APNP-VRB into the VBA policies, strategies and plans (just for the record)</li> </ul>			
<b>R2.2: Transboundary Diagnostic Analysis (TDA) updated and finalised</b>				
A2.2.1.	<ul style="list-style-type: none"> <li>Review the preliminary TDA, identify gap and prepare detailed methodology for TDA finalisation and SAP/APNP-VRB development (<i>Dissemination of study report</i>)</li> </ul>	Completed	<ul style="list-style-type: none"> <li>The report of 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 has been approved by UNEP/DGEF and VBA and widely disseminated</li> <li>Note for GEF Volta TDA and SAP Process Implementation prepared by the PMU and shared with UNEP/DGEF and VBA and, used as basis for the implementation of TDA activities during the reported period</li> </ul>	<ul style="list-style-type: none"> <li>Delay due to the need for the new Task Manager to understand the project and its institutional framework, discuss and agree with the PMU on project activities, work plan, roles and responsibilities</li> </ul>
A2.2.2.	<ul style="list-style-type: none"> <li>Organize starting regional/national workshops with national, regional and international institutions and stakeholders</li> </ul>	Completed	<ul style="list-style-type: none"> <li>Regional TDA starting workshop held in December 2009 in Lome (Togo)</li> </ul>	
A2.2.3.	<ul style="list-style-type: none"> <li>Update and complete the TDA document including situation analysis and causal chain analysis</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>TDA regional and national consultants hired on a competitive basis and participated in the regional starting workshop</li> <li>Harmonisation and planning meeting held with TDA regional consultants in December 2009 in Lomé (Togo)</li> <li>TDA methodology, work plan as well as guideline and outlines of</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>
			national and regional reports presented and discussed during the TDA planning workshop • See also result of A1.2.2 and A1.3.1	
A2.2.4.	• Organize validation regional workshop with national, regional and international institutions and stakeholders		• Not planned for the reported period	• N/A
A2.2.5.	• Submit the TDA document to the PSC and VBA for approval		• Not planned for the reported period	• N/A
<b>R2.3: Action Plans for the National Parts of the VRB (APNP-VRB) developed</b>				
A2.3.1.	• Organize 6 workshops at country level (with national institutions and stakeholders) as input to the APNP-VRBs elaboration		• Not planned for the reported period	• N/A
A2.3.2.	• Prepare the National Action Plans documents, including APNP-VRBs implementation guideline, monitoring & evaluation system for APNP-VRBs implementation, long term financing strategy for the APNP-VRBs		• Not planned for the reported period	• N/A
A2.3.3.	• Organize APNP-VRB validation workshops in each riparian country		• Not planned for the reported period	• N/A
A2.3.4.	• Submit APNP-VRB document to national authorities for endorsement		• Not planned for the reported period	• N/A
<b>R2.4: Strategic Action Programme (SAP) prepared</b>				
A2.4.1.	• Organize starting regional/national workshops with national, regional and		• Not planned for the reported 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>
	international institutions and stakeholders			
A2.4.2.	<ul style="list-style-type: none"> <li>• Prepare the Strategic Action Programme document, including SAP implementation guideline, monitoring &amp; evaluation system for SAP implementation, long term financing strategy for the SAP</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reported period</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
A2.4.3.	<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 reported period</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
A2.4.4.	<ul style="list-style-type: none"> <li>• Submit the SAP document to: i-) the Steering Committee for approval and, ii-) the Ministers in charge of Water and Environment for the endorsement of the SAP document (ideally in conjunction with RBO Ministerial meeting)</li> </ul>		<ul style="list-style-type: none"> <li>• Not planned for the reported period</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>

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

29. 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.
30. 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 validation workshops were organised during the reported period in Ouagadougou (Burkina Faso), Accra (Ghana) and Lomé (Togo) for Demo Project 1, Demo Project 2 and Demo Project 3 respectively. The reports have been updated accordingly and the 3 Demo Project documents updated, validation workshops organised and, the final reports submitted by consultants approved by the PMU and national partners and shared with the VBA and UNEP/DGEF.
31. Based on the key findings of the review process, the PMU has prepared a concept note for the implementation of each Demo project. The implementation notes were shared with the UNEP/DGEF and the VBA and adopted as working document.
32. In view of the implementation of Demo Projects 1 and 3, four planning workshops were organised with national partners and local stakeholders in Burkina Faso, Côte d'Ivoire, Mali and Ghana respectively. During the planning workshop in Burkina Faso, national partners informed the PMU that the Government has also signed an agreement with the MCA to support water resources management development in the country, including activities planned long time ahead by the GEF Volta Project in the Demo Project 1 area. To avoid confusion and duplication, a coordination meeting was held in Burkina Faso with MCA Burkina Faso and a representative of the national water directorate. Most of the budget allocated for the project will therefore be reallocated to other components of the project and the GEF Volta Project will benefit from the MCA co-finance support to Burkina Faso Government in the Project area.
33. With regard to the Demo Project 2, the construction of the wastewater network in Ewawu area (Kara, Togo) funded by the SIAAP is ongoing and 1,195 linear meters are completed. The proposed Demo Project site in Togo was assessed and the feasibility discussed with National partners during a joint field visit initiated by the PMU and UNEP/DGEF (August, 2009). As result of the survey of the project area and discussions with project partners in Kara (Togo), it is recommended to readjust the Demo Project in Togo by constructing small scale wastewater treatment plants in Ewawu area (Kara city) and connect them to the wastewater networks funded by SIAAP. The main outcome of the coordination meeting held in Ouagadougou (December 2009) with the Chairman of SIAAP is linked to the fact that the GEF Volta Project will allocate a budget of 120,000 USD for the implementation of the Demo Project activities in Togo and sign and MOA with SIAAP as executing agency of the Demo Project. In the framework of this MOA, SIAAP will: i-) finalise the ongoing study on the appropriate technology for the construction of the small scale treatment plant and its connection to the network in Ewawu area, ii-) organise awareness creation campaigns and sensitize Ewawu's inhabitants on Water and Environmental Sanitation issues and, iii-) Construct a small scale wastewater treatment plant, including its connection to the network and the training of national partners on how to operate and maintain the treatment plant
34. As for the implementation of the Demo Project 2 in Benin, a field visit conducted by national partners and discussions with them led to the conclusion that main concern and priority of local

stakeholders is the proliferation of aquatic weeds and its impacts on the ecosystems. It is therefore suggested to adjust the project accordingly.



**Figure 6: Ongoing construction of wastewater network and culvert in Ewawu area (Kara Togo, August 2009)**



**Figure 7: Moulds (left) and concrete pipe (right) used for the construction of wastewater network in Ewawu area (Kara Togo)**



**Figure 8: Some hygiene and sanitation issues identified during a field visit in Kara (August 2009)**



**Figure 9: Sensitization signpost prepared by the SIAAP in the framework of awareness creation activities planned for Demo Project 2 implementation**

**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 (<i>Dissemination of studies reports and preparation of inception reports</i>)</li> </ul>	Completed	<ul style="list-style-type: none"> <li>Demo Project documents updated, validation workshops organised, final reports submitted by consultants and approved by the PMU and national partners and shared with the VBA and UNEP/DGEF</li> <li>Final report for the review of the Demo Project 3 translated into French and shared with Côte d'Ivoire partners</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
A3.1.2.	<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>	Ongoing	<ul style="list-style-type: none"> <li>Note for the implementation of each Demo project prepared and shared with UNEP/DGEF</li> <li>Planning workshops organised with national partners and local stakeholders in Burkina Faso and Mali</li> </ul>	<ul style="list-style-type: none"> <li>During the planning workshop in Burkina Faso, Burkina Faso partners informed the PMU that the Government has signed an agreement with the MCA to support water resources management development, including activities planned much earlier by the GEF Volta Project in the Demo area. To avoid confusion and duplication, a coordination meeting was held in Burkina Faso with MCA Burkina Faso and representative of the national water directorate. Most of the budget allocated for the project will therefore be reallocated to other components.</li> </ul>
A2.6.1.	<ul style="list-style-type: none"> <li>Implement the Demo project no 2: Installing and comparing technological models of waste water treatment in the Cities of Kara (Togo) and Natitingou (Benin)</li> </ul>	Ongoing	<ul style="list-style-type: none"> <li>The construction of the wastewater network in Ewawu area (Kara, Togo) funded by the SIAAP is ongoing and 1,195 linear meters completed.</li> <li>The proposed Demo Project site in Togo was assessed and feasibility discussed with National partners during a joint visit initiated by the PMU and UNEP/DGEF (August, 2009). Based on the key conclusions of the survey of the project area and discussions with project partners, it is recommended to readjust the Demo Project in Togo by constructing small scale wastewater treatment plants in Ewawu area (Kara city) and connect them to the wastewater networks funded by SIAAP</li> <li>Field visit conducted by national partners in Benin and discussions</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>

<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>
			with them led to the conclusion that main concern and priority of local stakeholders is the proliferation of aquatic weeds and its impacts on the ecosystems. It is therefore suggested to adjust the project accordingly	
A2.6.2.	<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>	Ongoing	<ul style="list-style-type: none"> <li>Note for the implementation of the Demo project prepared and shared with UNEP/DGEF</li> <li>Planning workshops organised with national partners and local stakeholders in Côte d'Ivoire and Ghana</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
A2.6.3.	<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 reported period</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>R3.2: Replication strategy for demonstration project developed and initiated</b>				
A3.2.1.	<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
A3.2.2.	<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
A3.2.3.	<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
A3.2.4.	<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**

35. 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>			
<b>Outcome 1.1:</b> Project Managed and coordinated to partners satisfaction	<ul style="list-style-type: none"> <li>Project management and co-ordination bodies established and functional</li> </ul>	<ul style="list-style-type: none"> <li>PMU and all project organs operational and effective</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Outcome 1.2:</b> Capacity & participation of stakeholders in VRB management strengthened	<ul style="list-style-type: none"> <li>Ministries of environment and water resources are both represented in the Project Steering Committee</li> </ul>	<ul style="list-style-type: none"> <li>For each riparian country, the ministries in charge of water and environment are participating in the project activities both at national and regional levels</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
	<ul style="list-style-type: none"> <li>All relevant stakeholders participate in project activities and have access to project reports, publications, database, etc</li> </ul>	<ul style="list-style-type: none"> <li>Key stakeholders identified, analysed and involvement plan drafted both at national and regional levels</li> <li>Ongoing and planned initiatives reviewed and a collaboration plan proposed based on the links established with the UNEP/GEF Volta Project outputs.</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the submission of reports by national/regional consultants and lack of coordination/feedback from national partners.</li> </ul>
	<ul style="list-style-type: none"> <li>Institutions have the capacity to manage and monitor data in support of the implementation of SAP and APNP-VRB, and provide coordinated data transfer to VBA observatory</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> <li>Inputs provided for the training of VBA National experts on IWRM process and International river basin management</li> <li>Local stakeholders in Burkina Faso and Ghana trained on IWRM process</li> <li>Training needs of data hosting institutions identified and prioritised. National/Regional training plans prepared and shared with the Volta Basin Observatory and incorporated into its work plan for 2010</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
	<ul style="list-style-type: none"> <li>Involvement of stakeholders in SAP and APNP-VRB process and roles detailed in SAP and APNP-VRB documents</li> </ul>	<ul style="list-style-type: none"> <li>Plan for involving stakeholders in the TDA/SAP developed and incorporated in the methodology for TDA/SAP development</li> <li>Stakeholders participated in national validation workshops for the foundational studies supporting the TDA/SAP process</li> <li>Stakeholders participated in the regional TDA planning workshop</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
	<ul style="list-style-type: none"> <li>National institutions have the capacity to implement the SAP and APNP-VRB</li> </ul>	<ul style="list-style-type: none"> <li>National institutions engaged in TDA and SAP processes and are positioned to implement the SAP (completed in 2008)</li> <li>National partners strongly involved in the finalisation of the TDA methodology and reports outlines</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Outcome 1.3:</b> Knowledge base expanded & basin-wide communication mechanism in place	<ul style="list-style-type: none"> <li>VBA database developed and updated at regional and national levels</li> </ul>	<ul style="list-style-type: none"> <li>Discussions for the development of VBA database &amp; data clearinghouse are ongoing. The Project has prepared and shared with its partners, a note on the implementation of the VB clearinghouse system.</li> </ul>	<ul style="list-style-type: none"> <li>N/A</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>Contributions to the establishment of regional Volta Basin Observatory completed and approved by the VBA</li> </ul>	<ul style="list-style-type: none"> <li>Existing Metadata categories &amp; data hosting institutions analysed and mechanism proposed for the circulation of data and information at national and regional levels.</li> <li>The PMU has also participated and contributed to different coordination meetings for the Observatory organised by the VBA</li> </ul>	<ul style="list-style-type: none"> <li>N/A</li> </ul>
	<ul style="list-style-type: none"> <li>At least 2 thematic studies carried out</li> </ul>	<ul style="list-style-type: none"> <li>As result of coordination discussions undertaken with the VBA and the EU Volta project, it has been decided to develop the hydrological model and carry out the thematic studies through the implementation of the EU Volta Project</li> </ul>	<ul style="list-style-type: none"> <li>Delay in the implementation of the activity by the EU Project.</li> </ul>

**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>			
<b>Outcome 2.1:</b> VRB regional coordination mechanisms supported	<ul style="list-style-type: none"> <li>• VRB Convention into force</li> </ul>	<ul style="list-style-type: none"> <li>• The Volta Basin Convention entered into force on 14 August 2009 after Burkina Faso, Ghana, Mali and Togo have deposited the ratification documents</li> </ul>	<ul style="list-style-type: none"> <li>• Benin is yet to deposit the ratification documents</li> <li>• Côte d'Ivoire is yet to ratify the convention</li> </ul>
<b>Outcome 2.2:</b> Transboundary Diagnostic Analysis (TDA) updated and finalised	<ul style="list-style-type: none"> <li>• TDA revised, finalized and endorsed by the Project Steering committee</li> </ul>	<ul style="list-style-type: none"> <li>• Note for GEF Volta TDA and SAP Process Implementation prepared and, used as basis for the implementation of TDA activities</li> <li>• Detailed methodology and work plan for TDA development and reports (national/regional) outlines finalised and discussed with key stakeholders</li> <li>• TDA national/regional consultants selected/appointed and TDA Process ongoing at national and regional levels</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
<b>Outcome 2.3:</b> Action Plans for the National Parts of the VRB (APNP-VRB) developed	<ul style="list-style-type: none"> <li>• APNP-VRB finalised and endorsed at country level</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed methodology and work plan for APNP-VRB development completed</li> </ul>	N/A
	<ul style="list-style-type: none"> <li>• Key inter-sectoral transboundary issues identified and plan for sectoral harmonisation developed with relevant sectors and agreed for inclusion in IWRM process</li> </ul>	<ul style="list-style-type: none"> <li>• Methodology developed and reflects IWRM principles and process</li> </ul>	N/A
<b>Outcome 2.4:</b> Strategic Action Programme (SAP) prepared	<ul style="list-style-type: none"> <li>• SAP drafted, finalized and endorsed at ministerial level (Water and Environment Ministers)</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>• Volta Basin Authority (VBA) adopts SAP into their work plan</li> </ul>	<ul style="list-style-type: none"> <li>• The VBA has been involved in the review of the preliminary TDA, the establishment of methodology for TDA finalisation and SAP/APNP-VRB development, including TORs and work plan.</li> </ul>	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>			
<b>Outcome 3.1: 3 Demo Project</b> successfully implemented	<ul style="list-style-type: none"> <li>• MOUs on Demo projects implementation signed with riparian countries by year 1</li> </ul>	<ul style="list-style-type: none"> <li>• Potential partners for the implementation of the Demo Projects identified and discussions are ongoing for the finalisation of the MOAs</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> </ul>
	<ul style="list-style-type: none"> <li>• Three Demo projects executed resulting in stress reduction (see demo logframe) by year 3</li> </ul>	<ul style="list-style-type: none"> <li>• For each demo project situation analysis, logframe, activities, work plan and budget, M&amp; E plan (including stress reduction indicators) have been revised and validated by project partners</li> <li>• Planning workshops held with national partners in Burkina Faso, Mali, Ghana and Côte d'Ivoire for Demo Projects 1 and 3</li> <li>• Relevant technological option for the implementation of DP 2 identified and discussed with project partners</li> </ul>	
	<ul style="list-style-type: none"> <li>• Lessons learned from the 3 Demo projects documented and incorporated in SAP and APNP-VRB documents by year 4</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
<b>Outcome 3.2: Replication strategy</b> for demonstration project developed and initiated	<ul style="list-style-type: none"> <li>• Six national Demo projects are prepared to be submitted to co-funding partners</li> </ul>	<ul style="list-style-type: none"> <li>• Not planned for the reporting period.</li> </ul>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>

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

36. Several coordination meetings and discussions were conducted with key project partners (VBA, IUCN/PAGEV, EU Volta Project, Volta HYCOS, SIAAP and UNEP/DGEF mainly). Based upon these discussions, a number of responses to the coordination/harmonisation issues raised were agreed upon and recommendations made where applicable, including:
- Support to finalise the VBA strategic plan and programming framework development
  - Training of national partners on IWRM process through the EU Volta Project support
  - Development of hydrological model and thematic studies through the EU Volta Project support
  - Implementation of the Demo Project 1 in Burkina Faso in the framework of the agreement signed by the Burkina Faso Government with the MCA
  - Implementation of the Demo Project 2 in Togo through an MOA to be signed with SIAAP
  - 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
37. 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:
- weak technical assistance to the PMU due to ongoing negotiations regarding the role and cost of UDC technical support and the suspension of the Project Task Force until further project outputs are forthcoming.
  - 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,
  - project steering committee meeting could not be held during the reporting period due to UNEP/DGEF advise to delay holding the meeting till a future date yet to be advised
  - delay in getting feedback from UNEP/DGEF on project annual report and annual work plan due to change in Task Manager and its impacts on the project expenditures. The low expenditure rate is also due to non reconciliation of updated budget and approval from UNEP/DGEF
  - 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

38. The 2009 summary financial report presented in Table 8. A detailed financial report has been prepared in EXCEL by the Executing Agency (UNOPS) and submitted in a separate report to UNEP/DGEF. The total amount spent during the year 2009 is 659,596.00\$ while the total budget for the same year was estimated at 710,349.00\$. Even if the expenditure rate is 93%, one should highlight here that the annual budget has slightly decreased after its revision during the second quarter in response to the institutional challenges raised above. The UNOPS fee has exceeded by 16,507\$ which was due to advance billing based on projected deliverables. Also the budget for consultants and travel have exceeded by 30,000\$ and 24,364\$ respectively for 2 main reasons:

- The recruitment of 2 international consultants for the finalisation of the VBA Strategic plan and travel costs and DSA for participants to the regional VBA programming workshop and training of national partners on UNOPS procedures, rules and regulations during the 3rd Quarter as well as the participation of the VBA Executive Director and Regional Project Coordinator to the 5<sup>th</sup> GEF Biennial International Waters Conference (Cairns, Australia, October 2009) were not initially budgeted for
- The initial consultancy fees of TDA consultants didn't include their travel costs and DSA for the Regional TDA Starting Workshop.

**Table 8 – Summary of project expenditures (2009 activities)**

UNEP BUDGET LINE/OBJECT OF EXPENDITURE		Budget (2009): \$	Expenditure (2009): \$	Balance: \$
<b>10</b>	<b>PROJECT PERSONNEL COMPONENT</b>			
	1100 Project Personnel	286,211	259,388	26,823
	1200 Consultants	33,000	63,000	-30,000
	1300 Administrative support	20,151	18,921	1,230
	1400 Volunteers	0	0	0
	1600 Travel on official business (PMU, UNOPS KEOC, Consultants, Etc.)	35,000	59,363	-24,363
	<b>1999 Component Total</b>	<b>374,361</b>	<b>400,672</b>	<b>-26,310</b>
<b>20</b>	<b>SUB-CONTRACT COMPONENT</b>			
	2100 Sub-contracts (MoU's/LA's for UN agencies)	0	0	0
	2200 Sub-contracts (MoU's/LA's for non-profit organisations)	56,250	43,555	12,695
	2399 Sub-contracts (commercial purposes)	0	0	0
	<b>2999 Component Total</b>	<b>56,250</b>	<b>43,555</b>	<b>12,695</b>
<b>30</b>	<b>TRAINING COMPONENT</b>			
	3100 Fellowships	0	0	0
	3200 Group training	51,000	42,130	8,870
	3300 Meetings/conferences	51,000	49,426	1,574
	<b>3999 Component Total</b>	<b>102,000</b>	<b>91,556</b>	<b>10,444</b>
<b>40</b>	<b>EQUIPMENT &amp; PREMISES COMPONENT</b>			
	4100 Expendable equipment	29,331	10,806	18,525
	4200 Non-expendable equipment	26,099	4,880	21,219
	4300 Premises	2,300	1,739	561
	<b>4999 Component Total</b>	<b>57,730</b>	<b>17,425</b>	<b>40,305</b>
<b>50</b>	<b>MISCELLANEOUS COMPONENT</b>			
	5100 Operation and maintenance of equip.	3,500	1,828	1,672
	5200 Reporting costs	36,889	22,391	14,498
	5300 Sundry (communications, postage,	27,000	13,045	13,955
	5400 Hospitality and entertainment	0	0	0
	5500 Evaluation	0	0	0
	<b>5999 Component Total</b>	<b>67,389</b>	<b>37,263</b>	<b>30,126</b>
	<b>TOTAL COSTS</b>	<b>657,730</b>	<b>590,470</b>	<b>67,261</b>
	<b>Project Execution Costs -UNOPS (8%)</b>	<b>52,618</b>	<b>69,126</b>	<b>-16,508</b>
	<b>GRAND TOTAL COSTS</b>	<b>710,349</b>	<b>659,596</b>	<b>50,753</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	Date
1.	Coordination meeting	Joint Implementation Meeting between VBA, EU Volta Project and GEF Volta Project	Accra - Ghana	10 Jan.2009	VBA	VBA, EU Volta Project and GEF Volta Project/PMU	6	N/A	English	Feb 2009
2.	Validation Workshop	Validation of Demo project 2 report	Lomé - Togo	12 Jan 2009	Togo National Partners	GEF Volta Project/PMU	18	N/A	French	Feb 2009
3.	Validation Workshop	Validation of Demo project 1 report	Ouagadougou	16 Jan 2009	Burkina National Partners	GEF Volta Project/PMU	28	N/A	French	Jan 2009
4.	Validation Workshop	Validation of Demo project 3 report	Accra - Ghana	27 Feb09	Ghana National Partners	GEF Volta Project/PMU	20	N/A	English	February 2009
5.	Programming Workshop	Volta Basin Programming Workshop	Ouagadougou	10-12 Aug 09	VBA	GEF Volta Project/PMU	12	N/A	English-French	August 2009
6.	Planning Workshop	Demo Project 3 Planning Workshop	Bole-Ghana	17-19 Aug 09	Ghana National Partners	GEF Volta Project/PMU	20	N/A	English	August 2009
7.	Planning Workshop	Demo Project 1 Planning Workshop	Bamako - Mali	25-29 Aug 09	Mali National Partners	GEF Volta Project/PMU	18	N/A	French	August 2009
8.	Planning Workshop	Demo Project 1 Planning Workshop	Ouagadougou-Burkina Faso - Mali	17-18 September 09	Burkina Faso National Partners	GEF Volta Project/PMU	11	N/A	French	September 2009
9.	Planning Workshop	Demo Project 3 Planning Workshop	Abidjan Côte d'Ivoire	28-30 October 09	Ghana National Partners	GEF Volta Project/PMU	26	N/A	French	October 2009
10.	TDA Planning workshop	Regional TDA Starting workshop	Lomé Togo	7-9 December 09	GEF Volta Project	GEF Volta Project/PMU	44	UNEP/GEF/Volta/RR.10/2009	English-French	December 2009

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

No	Type	Title	Author(s) / Editor(s)	Publisher	Publication Date
1.	PMU report	Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area: Annual report	Hubert Onibon	UNEP GEF Volta Project	Jan-09
2.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National BENIN)-Draft-	Moussa YACOUBOU	UNEP GEF Volta Project	Jan-09 (Draft)
3.	PMU report	Résolution de problèmes transfrontaliers dans le bassin versant de la Volta et dans sa zone côtière avale: Rapport annuel	Hubert Onibon	UNEP GEF Volta Project	Jan-09
4.	PMU report	Résolution de problèmes transfrontaliers dans le bassin versant de la Volta et dans sa zone côtière avale: Plan de travail annuel et budget 2009	Hubert Onibon	UNEP GEF Volta Project	Jan-09
5.	Consultancy report	Installation et comparaison de modèles de technologie de traitement des boues de vidange et des eaux usées dans les villes de Kara (Togo) et Natitingou (Bénin) : Analyse de base de la situation et préparation d'un document détaillé du projet de démonstration	CREPA TOGO	UNEP GEF Volta Project	Mar-09
6.	Consultancy report	Actualisation du Projet de démonstration 1 (PD1) : 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	Mar-09
7.	Consultancy report	Restoring and protecting the river beds of the Black Volta and its tributaries through participative campaigns of reforestation (Cote d'Ivoire – Ghana)	GOULA Bi Tie Albert and TACHIE – OBENG Emmanuel	UNEP GEF Volta Project	Mar-09
8.	Consultancy report	Restauration et protection des lits de la Volta Noire et de ses affluents à travers des campagnes participatives de reboisement (Cote d'Ivoire – Ghana)	GOULA Bi Tie Albert and TACHIE – OBENG Emmanuel	UNEP GEF Volta Project	Mar-09
9.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National COTE D'IVOIRE) -Draft-	GOH Denis	UNEP GEF Volta Project	Jun-09 (Draft)
10.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport National Togo)	GBEMOU Kokou Mawulikplimi	UNEP GEF Volta Project	Jun-09
11.	Consultancy report	Study relating to the development of Stakeholders Involvement Plan (National Report Ghana) -Draft-	J. A. Bakang	UNEP GEF Volta Project	Jul-09 (Draft)
12.	Consultancy report	Study on the analysis of national institutions and ongoing and planned initiatives pertaining to the management the Volta Basin (Regional Summary)	Amidou GARANE	UNEP GEF Volta Project	Nov-09
13.	Consultancy report	Etude portant sur l'élaboration du plan de participation du public au projet FEM-Volta (Rapport régional) -Draft)	Albert Goula	UNEP GEF Volta Project	Nov-09 (Draft)
14.	Consultancy report	Revue détaillée de l'ADT préliminaire du Bassin Versant de la Volta	Daniel Malzbender	UNEP GEF Volta Project	Nov-09

No	Type	Title	Author(s) / Editor(s)	Publisher	Publication Date
15.	Consultancy report	Méthodologie détaillée pour la finalisation de l'ADT et de l'élaboration du PAS.	Daniel Malzbender	UNEP GEF Volta Project	Nov-09
16.	Consultancy report	Volta Basin Authority Strategic Plan	Lekan Oyenbande and Jacques de La Rocque	VBA	Nov-09
17.	Consultancy report	Plan stratégique de l'Autorité du Bassin de la Volta	Lekan Oyenbande and Jacques de La Rocque	VBA	Nov-09
18.	Workshop report	Report of the Regional Starting workshop in view of the Development of the Transboundary Diagnostic Analysis (TDA) of the Volta River Basin	Olumide Akinsola and Hubert Onibon	UNEP GEF Volta Project	Dec-09
19.	PMU report	Addressing Transboundary Concerns in the Volta River Basin and its Downstream Coastal Area: Annual work plan and budget (2010)	Hubert Onibon	UNEP GEF Volta Project	Dec-09

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

No	Description
1.	Participation in the GEOSS African Water Cycle Symposium (Tunis, Tunisia, January 2009)
2.	Participation in GWP West Africa General Assembly as collaboration points identified with GWP partner and preparation of African statement for the coming world water forum (Abidjan, Côte d'Ivoire January 2009)
3.	Participation in the Celebration of the World Water Day (Accra, Ghana, March 2009)
4.	Participation in the 5th World Water Forum (Istanbul, Turkey, March 2009)
5.	Participation in the Volta HYCOS Steering Committee Meeting (Ouagadougou, Burkina Faso, May 2009)
6.	Participation in the IUCN/PAGEV Steering Committee Meeting (Ouagadougou, Burkina Faso, March 2009)
7.	Participation in the 1 <sup>st</sup> Ghana Water Forum (Accra, Ghana, October 2009)
8.	Participation in the 5th GEF Biennial International Waters Conference (Cairns, Australia, October 2009)
9.	Participation in the Volta Basin Observatory Steering Committee Meeting (Ouagadougou, Burkina Faso, December 2009)
10.	Participation in the IUCN/PAGEV Steering Committee Meeting (Accra Ghana December 2009)
11.	Participation in the EU Volta Project Steering Committee Meeting (Lomé Togo December 2009)
12.	Participation in VBA Experts Meeting (Accra Ghana December 2009)
13.	Participation to VBA Council of Ministers Meeting (Accra Ghana December 2009)
14.	Participation in the PAGEV training and awareness raising workshops on IWRM and local stakeholders involvement in Tenkodogo (Burkina Faso), Bolgatanga (Ghana)
15.	Participation in 2 consultative workshops on scaling up PAGEV to cover Togo held in Lomé and Kara in October 200 and November 2009 respectively
16.	Participation in the first workshop on Sustainable Groundwater Resources Management for 25 experts of the Volta Basin in Accra in October 2009.
17.	Participation in the first training workshop for experts from all the six riparian states of the Volta on the use of the Water Evaluation and Planning System (WEAP) organised in Accra (Ghana) by the IUCN/PAGEV in collaboration with the VBA

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

No.	Name of sub-contractors	Country	Objective of the contract
1.	Palm Beach Hotel	Burkina Faso	VBA Planning workshop (Hotel and Conference rooms, lunch, coffee break)
2.	Hotel Krimas	Togo	Regional TDA starting workshop (Hotel and Conference rooms, lunch, coffee break)
3.	Diversifia	Burkina Faso	Translation of 2 reports: i-) Detailed review of the preliminary TDA., ii-) Detailed methodology for TDA finalisation and SAP development
4.	Diversifia	Burkina Faso	Translation of VBA Strategic plan
5.	Diversia	Burkina Faso	Translation of 2 reports: i-) Annual report (2008), ii-) 2009 work plan
6.	GATI	Ghana	Translation of Demo Project 3 report
7.	GATI	Ghana	Translation of VBA Strategic plan
8.	GATI	Ghana	Translation of Regional report on institutional analysis
9.	Diversifia	Burkina Faso	Translator: translation of VBA programming workshop
10.	Communication 2000	Togo	Translator: translation of TDA planning workshop
11.	KAdiogo Auto Location	Burkina Faso	Car rental: Field visit to Kara
12.	Société Djeriwo et fils	Benin	Car rental: Cotonou Lome Cotonou (TDA planning workshop)
13.	Alabaster Car rentals& tours	Ghana	Car rental: Accra Lome Accra (TDA planning workshop)
14.	Sambus Company Limited	Ghana	Procurement of server equipment

### 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.	Rafatou Fofana	Benin	Post graduate intern
6.	Gerald B. Yiran	Ghana	Consultant: Development and production of maps of the Volta River Basin
7.	Lekan Oyenbande	Nigeria	Consultant VBA Strategic Plan
8.	Jacques de La Rocque	France	Consultant VBA Strategic Plan
9.	Daniel Malzbender	Germany	Regional Consultant for TDA development (Team Leader)
10.	Durphey Moses	Ghana	Regional Consultant for TDA development (Ecosystems Expert)
11.	Opoku Ankomah Yaw	Ghana	Regional Consultant for TDA development (Water Resources Expert)
12.	Ousmane Diallo	Burkina Faso	Regional Consultant for TDA development (Governance Expert)
13.	Fall Oumar	Mauritania	Regional Consultant for TDA development (Economist)