



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 work plan and budget (2010)

December 2009





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

Copyright © 2009, United Nations Environment Programme

This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes without special permission from the copyright holder provided acknowledgement of the source is made. UNEP would appreciate receiving a copy of any publication that uses this publication as a source.

No use of this publication may be made for resale or for any other commercial purpose without prior permission in writing from the United Nations Environment Programme.

UNEP-GEF Volta Project
Project Management Unit
No. E3 Leshie Crescent - Labone
P.O. Box 1423 Accra Ghana
Phone: +233 21763648
Fax: +233 21763649
Mobile: +233 206309775
Website: <http://gefvolta.iwlearn.org>

DISCLAIMER:

The contents of this report do not necessarily reflect the views and policies of UNEP or the GEF. The designations employed and the presentations do not imply of any opinion whatsoever on the part of the UNEP, or of the GEF, or of any cooperating organization concerning the legal status of any country, territory, city or area, of its authorities, or of the delineation of its territories or boundaries.

The report was prepared by Mr. Hubert Onibon of the UNEP-GEF Volta River Basin Project Management Unit.

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 work plan and budget (2010) *UNEP/GEF/Volta/RR 10/2009*



Table of contents

List of abbreviations and acronyms	ii
List of Tables	iii
1. Background information	4
1.1 Overall objective(s) of the Project	4
1.2 Partners and Financial details (budget)	5
2. Overview of the 2010 main events	7
3. Main activities per specific objective	8
3.1 Main activities planned for the Specific objective 1	8
3.2 Main activities planned for the Specific objective 2	12
3.3 Main activities planned for the Specific objective 3	17
4. Proposed budget for the calendar year 2010	21

List of abbreviations and acronyms

Abbreviation	Definition
ANBO	African Network of Basin Organisations
APNP-VRB	Action Plan for the National Part of the VRB
DGEF	Division of Global Environment Facility
ECOWAS	Economic Community Of West African States
ECOWAS/WRCC	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
IUCN	International Union for Conservation of Nature and Natural Resources
IW-LEARN	Internal Water Learn
IWRM	Integrated Water Resources Management
M&E	Monitoring and Evaluation
MOA	Memorandum Of Agreement
MOU	Memorandum Of Understanding
NBA	Niger Basin Authority
NFP	National 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
PIR	Project Implementation Report
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/GEF	United Nations Environment Program/ Global Environment Facility
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNOPS	United Nations Office for Project Services
VBA	Volta River Authority
VB-ISS	Volta Basin Information Sharing System
VRB	Volta River Basin
WSSD	World Summit on Sustainable Development

List of Tables

Table 1: Project financial details	6
Table 2: Overview of the main events planned for 2010	7
Table 3: Detailed activities and work plan corresponding to Specific Objective n° 1	9
Table 4a: Detailed activities and work plan proposed for TDA finalisation	14
Table 4b: Detailed activities and work plan corresponding to Specific Objective n° 2	15
Table 5: Detailed activities and work plan corresponding to Specific Objective n° 3	19
Table 6: Project budget for year 2010	22

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: 2nd January 2008

Project completion date: 31st December 2011

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 which has been designed to facilitate the integrated management, sustainable development and protection of natural resources of the Volta River Basin within the six riparian countries: 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). 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, by achieving sustainable capacity and establishing regional institutional frameworks for effective management; developing national and regional priorities; and 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.
4. **The broad development objective** of this project is to address the perceived major transboundary problems and issues of the Volta Basin leading to 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, MCA Burkina Faso) 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 year 2010, mobilising the co-financing from some of the national partners and other project partners as stated in the initial project brief could be very difficult. 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.

Table 1: Project financial details

Country/Partner	Initial pledge US\$	Revised pledge (2008) US\$
GEF Support		
Project	5,347,380	5,347,380
PDF – B	472,500	472,500
PDF – A	25,000	25,000
Subtotal GEF	5,844,880	5,844,880
Co-financing		
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 ¹	1 962 500	1 962 500
SIAAP ²	471 000	471 000
MCA Burkina Faso		To be determined
Subtotal Co-financing	9 222 097	6 598 239
Total Project Budget	15 066 977	12 443 119

¹ 1,250,000 euros

² 300,000 euros

2. Overview of the 2010 main events

10. The year 2009 was mainly dedicated to the review and update of the 3 demonstration projects, the establishment/reinforcement of working collaboration with key partners (VBA, IUCN/PAGEV, EU Volta Project, and UNEP/DEWA), a slight review of the project programming framework, and the finalisation of several studies undertaken to prepare the ground for effective TDA finalisation.
11. The year 2010 is the third year of the project implementation. It is a very significant year in the project lifespan and therefore the 2010 work plan and its successful implementation is very critical to the project delivery.
12. The main focus of the GEF Volta Project activities in 2010 consist of the followings key events:
 - Launch and implementation of the 3 demonstration projects
 - Launch of the TDA and SAP process at national levels
 - Finalisation of the TDA document and beginning of the preparation of the SAP document
 - Training of national partners on data management and the Volta Basin Clearinghouse System
 - Awareness raising campaigns and training of national partners on IWRM and international river basins management approaches, including data management and enhanced stakeholders participation at the basin level.
13. An overview table of the main events planned for 2010 is presented in Table 2.
14. The detailed 2010 work plan is presented in Tables 3, 4 and 5. A summary of the main activities under each of the project specific objectives is presented in the following sections.

Table 2: Overview of the main events planned for 2010

Date	Place	Event
February-March 2010	Ouagadougou	Training of national partners on data management and the Volta Basin Clearinghouse System
February –March 2010	Riparian countries	National Starting workshops for the TDA
March-April 2010	Riparian countries	Launch of Demo Projects
March 2010	Abidjan	Project Steering Committee meeting
April 2010	Ouagadougou	VBA Programming and harmonisation workshop with ongoing/planned initiatives
May-June 2010	Hanoi	Study visit to Mekong River Basin Authority (VBA, PMU, PAGEV)
June-July 2010	Ouagadougou	TDA causal chain analysis workshop with the VBA, TDA national and regional consultants
July-September 2010	Riparian countries	Training of national institutions on IWRM and IRB management
July-September 2010	Riparian countries	National level awareness raising campaigns on IRB management for stakeholders
November-December 2010	Ouagadougou	Regional workshop TDA validation and SAP launch
November-December 2010	Ouagadougou or Accra	Regional Starting workshop for the SAP

3. Main activities per specific objective

3.1 Main activities planned for the Specific objective 1

15. As a consequence of studies conducted during the years 2008 and 2009, one of the major set of activities planned to achieve the Specific Objective 1 is awareness raising campaigns and training of national partners on IWRM and international river basins management. Discussions are ongoing with the VBA, IUCN/PAGEV and other Projects for the harmonisation and joint organisation of transboundary water and environment thematic training workshops and awareness raising campaigns.
16. To ensure that local stakeholders are fully participating in the GEF Volta Project activities and in view of the establishment of national basin organisations at country's level, it is expected to support in collaboration with IUCN/PAGEV the establishment of pilot local committees in Benin and Togo, Ghana and Côte d'Ivoire (grassroots communities) and their involvement into the Volta River Basin resources management at the local level.
17. The VBA is the permanent regional body to facilitate the mandate for development of the basin; and as such, has long term objectives and responsibility, whereas the UNEP-GEF Volta Basin Project is a project which seeks to support and service the VBA in the implementation of its strategic priorities and as a project, promote and pursue its activities in a manner that would ensure that its outputs are integrated into the VBA's programme of work. Therefore, there is a need for a strong collaboration between the two partners. In view of this, the GEF Volta Basin Project will consolidate and intensify its collaboration with the VBA on the basis of the collaboration framework signed by the 2 partners in 2009 to achieve their common goals and objectives. The GEF Volta Basin Project will also support the VBA for the editing and dissemination of its Strategic Plan, including the coordination of ongoing and planned initiatives within the Volta River Basin and the participation in key VBA meetings and workshops.
18. The GEF Volta Basin Project will also support in collaboration with the VBA, the establishment and operation of the Volta Basin Clearinghouse and Information System with the aim to provide a mechanism for regional cooperation, coordination and collaborative actions, and enable the riparian partners to harness resources and expertise from a wide range of stakeholders and interest groups towards solving interlinked environment and water resources problems. In view of this, the following activities will be conducted: i-) Establishment of a Regional Working Group for Data management, ii-) Development of a data sharing protocol for Volta river basin, iii-) Collation of existing data and information, iv-) Establishment and installation of the Data Platform, v-) Regional Workshop and training session on clearinghouse data management and data sharing protocol
19. Other key activities include:
 - Finalisation of the stakeholders involvement plan
 - Updating of the project M&E plan based on baseline situation analysis from demo projects
 - Participation to key national, regional and international events and workshops
 - Dissemination of project results and reports and updating of the project website
20. Due to budget and human resources limitation, the project will not be able to take the lead in the development of hydrological and coastal hydrodynamic model of the Volta basin and its Downstream Coastal Area associated thematic studies on: i-) relations between catchments area and stream flow and ii-) relations between Volta basin and its Downstream Coastal Area, using ICARM concept. The associated set of activities and tasks will be implemented through the EU Volta Project based on discussions undertaken with the VBA.
21. Table 3 presents the detailed activities and work plan corresponding to Specific Objective n° 1

Table 3: Detailed activities and work plan corresponding to Specific Objective n° 1

Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB					
Code	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
R1.1: Project Managed and coordinated to partners satisfaction					
A1.1.1.	• <i>Establish the Project Management Unit and governance system including: PMU, MOUs, PSC, PTF, NFP, NIC, Inception report, etc³</i>				
A1.1.2.	• Develop and implement project monitoring and evaluation plan: <ul style="list-style-type: none"> ○ update the M&E plan and submit it to the PSC 	X	X	X	X
A1.1.3.	• Identify linkages with other partners, develop and implement collaboration plan				
	○ support VBA for the editing and dissemination of its Strategic plan	X			
	○ support VBA for the organisation of coordination meeting with ongoing/planned initiatives		X		
	○ Implement joint activities with IUCN/PAGEV in Togo; Burkina Faso and Ghana	X	X	X	X
	○ Prepare and sign a collaboration agreement with SIAAP for the implementation of the Demo Project 2 in Togo	X			
	○ Participate to PAGEV and EU Volta Projects steering committees meetings and other key workshops		X		X
	○ Participate to VBA and Volta Basin Observatory meetings and workshops		X	X	X
	○ Facilitate the contact between VBA and Mekong River Basin Authority		X		
A1.1.4.	• Carry out project reports (PIR and annual report, study reports)	X	X	X	X

³ Font 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	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A1.1.5.	<ul style="list-style-type: none"> • Document project implementation and communicate results through publications, regional and internal reports, project newsletter and project website: <i>(just for the record)</i> <ul style="list-style-type: none"> ○ Synthesize all documentations on the project and produce communication products for all events related to transboundary water and associated environment issues ○ Make presentations of the GEF Volta Project at major regional and international water conferences (e.g. GWP, PAGEV, VBA, ANBO and ECOWAS Meetings, etc) ○ Prepare and disseminate projects brochures, leaflets, etc ○ Organise radio and TV broadcasts 	X	X	X	X
R1.2: Capacity & participation of stakeholders in VRB management strengthened					
A1.2.1.	<ul style="list-style-type: none"> • Conduct training on TDA/SAP process for NFPPs 				
A1.2.2.	<ul style="list-style-type: none"> • Analysis of national institutions and stakeholders and preparation of stakeholders involvement plan <ul style="list-style-type: none"> ○ Prepare the matrix of national institutions concerned by the management of the Volta Basin, analyse their mandates and capacities ○ Prepare and analyze the stakeholders matrix: main activities and mandates, links with the management of the Volta Basin, and capacities to address IRB issues ○ Identify training gaps and prioritise training needs of national institutions and stakeholders for IRB management ○ Develop national training plans for the training of personnel in the key institution ○ Finalise and disseminate the stakeholders' involvement plan 	X			
	<ul style="list-style-type: none"> ○ 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 national basin organisation 	X	X	X	X
	<ul style="list-style-type: none"> ○ Support and co-organise the celebration of international water or environment events in riparian countries 	X	X	X	
A1.2.3.	<ul style="list-style-type: none"> • Conduct training sessions and awareness raising campaigns for national institutions and stakeholders on IWRM and IRB management <ul style="list-style-type: none"> ○ Organise national training sessions on IRB management for personnel in the key institutions (1 session per country) ○ Organise at national level, awareness raising campaigns on IRB management for stakeholders (1 campaign per country) 			X	
				X	
A1.2.4.	<ul style="list-style-type: none"> • Conduct a training session for national institutions on data management and monitoring and, clearinghouse system 	X			
A1.2.5.	<ul style="list-style-type: none"> • Conduct training on SAP implementation at national and regional levels 				

Outputs / Results corresponding to Objective n° 1: Build capacity, improve knowledge, enhance stakeholders' involvement to support the effective management of the VRB					
Code	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
R1.3: Knowledge based expanded & basin-wide communication mechanism in place					
A1.3.1.	<ul style="list-style-type: none"> • Conduct study on data inventory and assessment, including data sharing mechanism, training gaps and training plan 				
A1.3.2.	<ul style="list-style-type: none"> • Support and/or contribute to studies on the establishment of the Volta Basin Observatory through database, data collection and data sharing protocol 				
	<ul style="list-style-type: none"> ○ Contribute to thematic forums/trainings as per Volta Basin Observatory work plan 		X	X	
	<ul style="list-style-type: none"> ○ Contribute to the preparation of reference report on the VRB water and environmental resources status as per Volta Basin Observatory work plan 		X	X	X
	<ul style="list-style-type: none"> ○ Participate to the Volta Basin Observatory steering committee meeting (and other key meetings if required) 		X	X	X
	<ul style="list-style-type: none"> ○ Support the installation of the Volta Basin data platform through the procurement and installation of: 1 Hardware Server, 1 UPS, the Software ArcGIS Server, the ArcGIS Desktop (if necessary) and the MS SQL Server 2005 	X			
	<ul style="list-style-type: none"> ○ Support the development of the Volta Basin Information Sharing System (VB-ISS) 	X			
A1.3.3.	<ul style="list-style-type: none"> • Organize one scientific workshop in collaboration with UNESCO 				
A1.3.4.	<ul style="list-style-type: none"> • Develop and update project website 	X	X	X	X

3.2 Main activities planned for the Specific objective 2

22. TDA is a scientific-technical baseline document, which provides a foundation of common understanding for the development of future planning and prioritization processes, such as the Strategic Action Programme. The analysis is carried out in a cross sectoral manner, focusing on transboundary problems without ignoring national concerns and priorities. In order to make the analysis more effective and sustainable it should include a detailed 'governance analysis' which considers the local institutional, legal and policy environment.
23. A preliminary TDA for the Volta River Basin has been completed in 2002 and served as the basis for preparation of the project document and follow up inception report guiding the project implementation. The preliminary TDA identifies a number of shortcomings, notably the lack of adequate data and information for several areas of assessment. Furthermore, changes in the legal and institutional landscape have occurred since 2002, both at basin as well as at national level. A review of the gaps in the preliminary TDA has been carried out and detailed methodology proposed for TDA finalisation and SAP development.
24. For the GEF Volta Project, 2009 and 2010 are major years for implementing TDA activities. Key outcomes of the regional TDA starting workshop held in Lomé Togo in December 2009 are:
 - Main transboundary water and associated environmental issues and problems were identified and discussed through brainstorming exercises and impact analysis
 - Data gaps and sources of information were identified and discussed
 - In-depth discussions were conducted on governance (policies, legislation, regulatory and institutional frameworks), socio-economic values, ecosystems and prioritisation of transboundary issues
 - Preliminary discussions were conducted on key actions/solutions and actors to address trans-boundary issues
 - Methodology and work plan for TDA finalisation at the national and regional level was presented and discussed in details
25. The methodology for TDA gap filling and SAP development proposes a number of changes to the initial project work plan and timetable. The proposed changes are based on the following observations and guiding principles:
 - Based on an assessment of the products required to be delivered by the project and the corresponding budget it appears that available funding for TDA and APNP-VRB/ SAP development activities as well as stakeholder workshops etc. is tight. It is therefore essential that activities are combined wherever possible and appropriate in order to save costs and create synergies between different project activities.
 - The development of the Action Plans for the National Parts of the Volta River Basin (APNP-VRB) and the Strategic Action Programme (SAP) need to go in parallel. It is a characteristic of the APNP-VRB that they contain: i-) stand-alone national activities and, ii-) the national component of basin-wide (SAP) activities
 - The involvement of stakeholders in the development of the final TDA as well as the APNP-VRB and the SAP is a critical component to achieve buy-in and create the basis for the effective implementation of the APNP-VRB and SAP activities on the ground in the future. It is therefore recommended that the stakeholder involvement activities of the project become closely aligned and integrated with the TDA finalisation and APNP-VRB/ SAP development.
 - It is recommended that the APNP-VRB/ SAP development is undertaken by a team of consultants. One lead consultant should be appointed who has the responsibility of delivering the 6 APNP-VRBs and the SAP. The APNP-VRB/ SAP consultant should be supported by a team of regional experts (e.g. water resources management expert, socio-economic expert, governance expert) to ensure that an appropriate diversity of technical expertise is available for the APNP-VRB-SAP

development.

- Since the TDA and the APNP-VRBs/ SAP are closely linked and their development, according to this methodology, is undertaken partly in parallel, it is recommended that there are strong linkages between the TDA and the APNP-VRB/ SAP development team. Ideally at least one member of the TDA team should also be part of the APNP-VRB/ SAP development team.
26. In line with the above observations and guiding principles, the detailed steps to be undertaken during the TDA finalization process are presented in Table 4a. Based on the proposed TDA methodology and work plan, and the outcomes of the Regional TDA starting workshop, PMU and the TDA Regional Experts will work together with the riparian countries (national partners and consultants) for the final drafting of the TDA along with representatives from the UNEP/DGEF, UNEP-DHI Center and VBA as the TDA /SAP core team.
27. The main activities planned by the PMU to deliver on this objective during the year 2010 are:
- national workshops for: i-) launching the TDA process, ii-) discussing TDA process, and work plan with national partners
 - Consultation with key partners and discussion on transboundary water and associated environmental issues, including causal chain analysis
 - Updating and completing of the TDA document
 - Validation of the final TDA document by key stakeholders both at national and regional levels
28. The SAP is a negotiated policy document which should identify policy, legal and institutional reforms and investments needed to address the priority transboundary problems. Endorsed at the highest level, it establishes clear priorities for action to resolve the priority transboundary problems which are identified in the TDA. The SAP sets out specific actions for each country that can be adopted nationally but harmonised with the other concerned countries. Toward the end of the year 2010 the SAP process will be officially launched by the PMU through the organisation of a regional workshop.
29. Table 4b presents the detailed activities and work plan corresponding to Specific Objective n° 2

Table 4a: Detailed activities and work plan proposed for TDA finalisation

Step	Activities	2009				2010											
		Q1	Q2	Q3	Q4	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Contracting of TDA regional team																
	Contracting of TDA country teams																
2	Regional inception workshop/ Lome																
	<i>finalise process & expected outputs for country workshops</i>																
3	Organise 6 country TDA starting workshops																
4	National level information and data collection and progressive development of country reports																
5	Monitoring of country progress by PMU																
6	Evaluation of draft country reports by TDA regional team																
7	Consolidation of review comments (reg. team & nat. cons. mtg.)																
8	Addressing review comments of TDA regional team and fill remaining information gaps by national consultants (including causal chain analysis)																
9	Validation of national TDA reports at country level																
10	Development of regional synthesis reports on each thematic area by regional team																
11	Development of draft TDA by TDA regional team																
12	Review of draft TDA by external technical experts																
13	Development of draft final TDA by TDA regional team																
14	Regional TDA validation workshop																
15	Finalisation of TDA and submission of final TDA																
16	Country endorsement																

Table 4b: Detailed activities and work plan corresponding to Specific Objective n° 2

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	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
R2.1: VRB regional coordination mechanisms supported (Just for the record)					
A2.1.1.	• Advocate at Ministerial level and through project meetings, workshops and reports, the importance of ratifying the basin convention (just for the record)				
A2.1.2.	• Insert and mainstream the TDA, SAP and APNP-VRB into the VBA policies, strategies and plans (just for the record)				
R2.2: Transboundary Diagnostic Analysis (TDA) updated and finalised⁴					
A2.2.1.	• Review the preliminary TDA, identify gap and prepare detailed methodology for TDA finalisation and SAP/APNP-VRB development				
A2.2.2.	• Organize starting regional/national workshops with national, regional and international institutions and stakeholders <ul style="list-style-type: none"> ○ Organize regional starting workshop with national, regional and international institutions and stakeholders (<i>Dissemination of the workshop report</i>) ○ Organize national starting workshops with national institutions and stakeholders 	X			
A2.2.3.	• Update and complete the TDA document including situation analysis and causal chain analysis	X	X	X	
A2.2.4.	• Organize validation regional workshop with national, regional and international institutions and stakeholders			X	
A2.2.5.	• Submit the TDA document to the PSC and VBA for approval				X
R2.3: Action Plans for the National Parts of the VRB (APNP-VRB) developed					
A2.3.1.	• Organize 6 workshops at country level (with national institutions and stakeholders) as input to the APNP-VRBs elaboration				
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				
A2.3.3.	• Organize APNP-VRB validation workshops in each riparian country				

⁴ Detailed TDA/SAP work plan is presented in the report of the study relating to the Review of the preliminary TDA and detailed methodology for TDA finalisation and SAP development prepared in 2008 and updated during the regional TDA starting workshop

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	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A2.3.4.	<ul style="list-style-type: none"> • Submit APNP-VRB document to national authorities for endorsement 				
R2.4: Strategic Action Programme (SAP) prepared					
A2.4.1.	<ul style="list-style-type: none"> • Organize starting regional workshop with national, regional and international institutions and stakeholders 				X
A2.4.2.	<ul style="list-style-type: none"> • Prepare the Strategic Action Programme document, including SAP implementation guideline, monitoring & evaluation system for SAP implementation, long term financing strategy for the SAP 				X
A2.4.3.	<ul style="list-style-type: none"> • Organize validation regional workshop with national, regional and international institutions and stakeholders 				
A2.4.4.	<ul style="list-style-type: none"> • 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 VBA Ministerial meeting) 				

3.3 Main activities planned for the Specific objective 3

30. Three demo projects were selected and developed during the overall project preparation. The 3 demo project documents have been updated in 2008 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). The review of the demo projects has led to more detailed and elaborate project documents submitted to the PMU and national partners.
31. Three validation workshops of the revised Demo Projects were organised respectively in Burkina Faso (Demo 1) Togo (Demo 2) and Ghana (Demo 3) during the first quarter of the year 2009 and an implementation note prepared by the PMU. The 3 Demo Projects will be implemented based on the revised briefs and implementation note.
32. In the meantime, the PMU will pursue and finalise discussions with partners pre-identified as potential executing agencies. Based on the outcomes of the discussions, MOAs and collaboration agreements will be signed with demo projects implementation partners selected. It is anticipated to: i-) finalise the establishment of the demo projects implementation bodies, ii-) officially launch the 3 Demo Projects and commence the implementation activities based on the work plans by the end of Quarter 1. Executing agencies recommended by the riparian countries for the implementation of the Demo Projects are:
 - Bénin: Direction Générale de l'Environnement
 - Côte d'Ivoire: Direction des Ressources en Eau
 - Ghana: Water Resources Commission
 - Mali: Secrétariat Technique Permanent du Cadre Institutionnel de la Gestion des Questions Environnementales
 - Togo: SIAAP
33. There is a change in the institutional framework of the Demo 1. This is due to the fact that the Burkina Faso government has integrated Demo 1 activities in the agreement signed with the MCA in support to the improvement of water resources management in the country. The GEF Volta Basin Project will finalise ongoing discussions with MCA Burkina Faso and ensure a good coordination of the project activities planned both in Mali and Burkina Faso.
34. In the case of the Demo Project 2, the situation is complex. First of all, the actual situation in Kara doesn't allow for the construction of the waste water treatment plan as specified in the project brief. It is therefore suggested to construct small scale wastewater treatment plants in Ewawu area (Kara city) and connect them to the wastewater networks funded by SIAAP. On the basis of the outcomes of discussions between SIAAP and the GEF Volta Basin Project, the following activities will be jointly implemented during the year 2010:
 - Finalise the construction of wastewater networks in Ewawu area through SIAAP funding
 - Carry out a study on the appropriate technology for the construction of the small scale treatment plant and its connection to the network in Ewawu area
 - Connect mosques, schools, restaurants and other major public/privates institutions to the network
 - Organise awareness creation campaigns and sensitize Ewawu's inhabitants on Water and Environmental Sanitation issues
35. The construction of the wastewater networks is actually ongoing and SIAAP has commissioned a feasibility study for the construction of small scale treatment plants and their connection to the networks. In view of this, the GEF Volta Project will prepare and sign an MOA with SIAAP as executing agency of the Demo 2 in Togo.

36. In Benin, field visits conducted by national partners and discussions with them led to the conclusion that the construction of wastewater treatment plant is no more the concern and priority of local stakeholders. The main issue raised by national partners is proliferation of aquatic weeds and its impacts on the ecosystem. It was then suggested to prepare a proposal in that regard by the end of Quarter 1. The new proposal will be submitted to the PSC for approval and it is anticipated to really start the implementation of Demo 2 activity in Benin during the second Quarter.
37. Table 5 presents the detailed activities and work plan corresponding to Specific Objective n° 3

Table 5: Detailed activities and work plan corresponding to Specific Objective n° 3

Outputs / Results corresponding to Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin					
Code	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
R3.1: 3 Demo projects successfully implemented					
A3.1.1.	<ul style="list-style-type: none"> • Review demo project documents (logframe, activities, budget, M&E plan and work plan) and prepare inception report (<i>Dissemination of studies reports and preparation of inception reports</i>) 	X			
A3.1.2.	<ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> ○ Prepare DP inception report ○ Prepare and sign MOAs with Mali government ○ Finalise coordination discussions with MCA Burkina Faso ○ Organise starting workshop in Mali ○ Implement the demo Project as per the work plan 	X			
	○ Prepare DP inception report	X			
	○ Prepare and sign MOAs with Mali government	X			
	○ Finalise coordination discussions with MCA Burkina Faso	X			
	○ Organise starting workshop in Mali	X			
	○ Implement the demo Project as per the work plan	X	X	X	X
A3.1.3.	<ul style="list-style-type: none"> • Implement the Demo project no 2: Installing and comparing technological models of waste water treatment in the Cities of Kara (Togo) and Natitingou (Benin) <ul style="list-style-type: none"> ○ Prepare DP inception report (Togo) ○ Prepare and sign MOAs or collaboration agreement with SIAAP for the implementation of DP 2 in Togo ○ Organise starting workshop in Togo ○ Finalise the construction of wastewater network in Ewawu area through SIAAP funding ○ Connect mosques, schools, restaurants and other major public/privates institutions to the network ○ Carry out a study on the appropriate technology for the construction of the small scale treatment plant and its connection to the network in Ewawu area ○ Organise awareness creation campaigns and sensitize Ewawu's inhabitants on Water and Environmental Sanitation issues ○ Prepare a new proposal for the implementation of the Demo Project in Benin as per Benin government request ○ Prepare and sign MOAs with Benin government ○ Organise starting workshop in Benin 				
	○ Prepare DP inception report (Togo)	X			
	○ Prepare and sign MOAs or collaboration agreement with SIAAP for the implementation of DP 2 in Togo	X			
	○ Organise starting workshop in Togo				
	○ Finalise the construction of wastewater network in Ewawu area through SIAAP funding		X	X	X
	○ Connect mosques, schools, restaurants and other major public/privates institutions to the network			X	X
	○ Carry out a study on the appropriate technology for the construction of the small scale treatment plant and its connection to the network in Ewawu area	X			
	○ Organise awareness creation campaigns and sensitize Ewawu's inhabitants on Water and Environmental Sanitation issues		X	X	
	○ Prepare a new proposal for the implementation of the Demo Project in Benin as per Benin government request	X			
	○ Prepare and sign MOAs with Benin government		X		
	○ Organise starting workshop in Benin		X		

Outputs / Results corresponding to Objective n° 3: Demonstrate national and regional measures to combat transboundary environmental degradation in the Volta Basin					
Code	Activities	Quarter 1	Quarter 2	Quarter 3	Quarter 4
	<ul style="list-style-type: none"> ○ Implement the demo Project as per the work plan 	X	X	X	X
A3.1.4.	<ul style="list-style-type: none"> ● Implement the Demo project no 3: Restoring and protecting the river beds of the Black Volta River (Côte d'Ivoire & Ghana) and its tributaries through participative campaigns of reforestation 				
	<ul style="list-style-type: none"> ○ Prepare DP inception report 	X			
	<ul style="list-style-type: none"> ○ Prepare and sign MOAs with Ghana and Côte d'Ivoire governments 	X			
	<ul style="list-style-type: none"> ○ Organise starting workshops in Ghana and Côte d'Ivoire 	X			
	<ul style="list-style-type: none"> ○ Implement the demo Project as per the work plan 	X	X	X	X
A3.1.5.	<ul style="list-style-type: none"> ● Evaluate the implementation of the three Demo projects 				
R3.2: Replication strategy for demonstration project developed and initiated					
A3.2.1.	<ul style="list-style-type: none"> ● Develop a plan for the replication of the Demo projects 				
A3.2.2.	<ul style="list-style-type: none"> ● Develop six national Demo projects based and TDA/SAP priorities 				
A3.2.3.	<ul style="list-style-type: none"> ● Submit the six national Demo projects to riparian countries for approval 				
A3.2.4.	<ul style="list-style-type: none"> ● Incorporate the replication plan in the SAP 				

4. Proposed budget for the calendar year 2010

38. The proposed budget for 2010 is presented in the Table 6 below. This table is the summary of a detailed budget prepared in EXCEL by PMU and discussed with UNEP/DGEF before its integration into this report.
39. The project budget has been revised taking into account changes that occurred during the year 2009. Some key activities planned for 2009 have been postponed to 2010 and 2011. Furthermore, due to the delay in the implementation of some project activities, it has been suggested to UNEP/DGEF to extend the project implementation period to 2012. This therefore has cost implications mainly in terms of salary for the project staff, the implementation of the Demo Projects, the PMU running cost and MOAs with national partners.
40. The total budget for 2010 is 1,573,498.00 \$ which is more than the double of 2009 budget. This is due to the fact that most of the TDA activities (workshops and consultancy fees) and national and regional training sessions (awareness creation, VBA ISS, etc.) initially planned for 2009 will be held in 2010 if there are no major institutional bottlenecks.

Table 6: Project budget for year 2010 (USD)

UNEP BUDGET LINE/OBJECT OF EXPENDITURE		Revised 2008	Revised 2009	2008 Expenditures	2009 Expenditures	2010 Budget	2011 Budget	2012 Budget
10	PROJECT PERSONNEL COMPONENT							
	1100 Project Personnel	1,206,477	1,475,205	279,439	259,388	298,319	311,377	299,860
	1200 Consultants	907,400	592,643	206,843	63,000	124,000	109,300	92,500
	1300 Administrative support	76,541	100,301	14,732	18,921	20,957	21,795	22,667
	1400 Volunteers	0	0	0	0	0	0	0
	1600 Travel on official business (PMU+Consultants)	233,000	235,898	45,898	59,363	58,962	46,000	30,000
	1999 Component Total	2,423,418	2,404,047	546,912	400,672	502,239	488,471	445,026
20	SUB-CONTRACT COMPONENT							
	2100 Sub-contracts (MoU's/LA's for UN agencies)	0	0	0	0	0	0	0
	2200 Sub-contracts (MoU's/LA's for non-profit organisations)	1,033,200	889,386	47,736	43,555	380,200	230,725	187,170
	2399 Sub-contracts (commercial purposes)	0	0	0	0	0	0	0
	2999 Component Total	1,033,200	889,386	47,736	43,555	380,200	230,725	187,170
30	TRAINING COMPONENT							
	3100 Fellowships	0	0	0	0	0	0	0
	3200 Group training	256,000	293,118	52,118	42,130	92,000	40,000	57,707
	3300 Meetings/conferences	556,520	669,000	39,000	49,426	201,000	257,000	121,000
	3999 Component Total	812,520	962,118	91,118	91,556	293,000	297,000	178,707
40	EQUIPMENT & PREMISES COMPONENT							
	4100 Expendable equipment	28,000	49,500	5,340	10,806	56,067	4,288	0
	4200 Non-expendable equipment	38,100	78,661	9,562	4,880	54,487	1,500	1,500
	4300 Premises	6,000	6,777	0	1,739	2,000	2,477	561
	4999 Component Total	72,100	134,938	14,902	17,425	112,554	8,265	2,061
50	MISCELLANEOUS COMPONENT							

UNEP BUDGET LINE/OBJECT OF EXPENDITURE		Revised 2008	Revised 2009	2008 Expenditures	2009 Expenditures	2010 Budget	2011 Budget	2012 Budget
5100	Operation and maintenance of equip.	11,000	30,500	0	1,828	11,300	10,300	10,072
5200	Reporting costs	370,000	291,839	2,950	22,391	74,498	92,000	100,000
5300	Sundry (communications, postage,	129,040	93,450	6,450	13,045	28,152	7,500	46,500
5400	Hospitality and entertainment	0	0	0	0	0	0	0
5500	Evaluation	100,000	145,000	0	0	55,001	0	90,001
5999	Component Total	610,040	560,789	9,400	37,263	168,950	109,800	246,573
TOTAL COSTS		4,951,278	4,951,278	710,068	590,470	1,456,943	1,134,261	1,059,537
Project Execution Costs -UNOPS (8%)		396,102	396,102	56,805	69,126	116,555	90,741	84,763
GRAND TOTAL COSTS		5,347,380	5,347,380	766,873	659,596	1,573,498	1,225,002	1,144,300