

## GLOBAL ENVIRONMENT FACILITY

### PROPOSAL FOR PDF BLOCK B GRANT

**Country:** Regional - Lake Chad Basin  
(Cameroon, Chad, Niger, Nigeria, Central African Republic)

**Focal Area:** International Waters

**Project Title:** Integrated Management of the Lake Chad Basin

**Funding requested:** \$342,000

**Cofunding:** To be determined      **Source:** Various

**Requesting Agency:** UNDP

**Block:** Block B

**Block A Grant awarded:** No      Project development to this point supported by the Lake Chad Basin Commission (LCBC) with assistance from UNDDSMS

**Block B Grant Awarded:** No

**Duration:** July 1995 - April 1996

### I. SUMMARY PROJECT OBJECTIVES AND DESCRIPTION

#### Background

The objective of this initiative is to support the countries of the Lake Chad Basin in their efforts to address the critical environmental problems of the basin through the development and implementation of a Strategic Action Programme (SAP). The GEF role is to facilitate the preparation and implementation of the SAP by assisting in the establishment of effective consultation, coordination and monitoring mechanisms, the development of institutional capacities, the brokering of donor support, and the direct support of some of the priority programmes and activities identified in the SAP.

A proposal for the "Integrated Development of the Lake Chad Basin" was first submitted to UNDP for GEF funding by the Executive Secretary of the Lake Chad Basin Commission (LCBC), on behalf of the Heads of State of the 5 LCBC countries, on 5 October 1993. UNDP submitted a GEF Block B proposal on behalf of LCBC to the March 1995 GEF Operations Committee meeting. Although strong support for a Lake Chad basin initiative was voiced the proposal itself was referred back for further development on the basis that it: (i) reflected inadequate consultations between the three GEF executing agencies; and (ii) did not sufficiently address the underlying institutional problems of the basin. The document now being submitted reflects a major revision of the March 1995 proposal undertaken on the basis of detailed discussions between the GEF Implementing Agencies (UNDP, UNEP, the World Bank), the GEF Secretariat, and the LCBC Secretariat. It also draws on the GEF Operational Strategy for International Waters and lessons learned from the GEF supported projects, and pre-project activities, on Lake Victoria, the Niger river, and the Aral Sea.

strong regional dimensions this coordination at the regional level is essential.

**(III) Inadequate understanding of the ecological and socio-economic systems of the basin:**

Despite significant previous technical work current understanding of the ecological, geo-physical, and socio-economic systems of the basin, and the linkages between them, is still insufficient for the planning and design of effective solutions.

**Project Objectives & Activities**

The main objective of this initiative is to support the countries of the Lake Chad Basin in their efforts to address the environmental problems of the basin through the development and implementation of a Strategic Action Programme (SAP). This will involve two key components:

**1. Development of a Strategic Action Programme (to be carried out under GEF Block B)**

This will include:

- the establishment of effective mechanisms and capacity for consultation, coordination, decision making and action at local, sub-national, national, and basin wide levels
- the development of a detailed understanding of and general consensus on the problems and issues facing the basin, including priority trans-boundary environmental issues
- the development of a Strategic Action Programme for the basin and the coordination of donor support to the implementation of priority programmes and projects outlined in this plan

**2. Implementation of the Strategic Action Programme (supported in part by the GEF)**

Although the details of the Strategic Action Programme cannot be predicted at this stage it will involve a multi-donor effort and one or more GEF programmes or focal area projects. Areas for GEF support, through the appropriate GEF implementing agency, will correspond to the appropriate GEF Operational Strategies and may include the following:

- development of institutional capacities
- establishment of effective environmental and social monitoring systems
- activities to combat land degradation and desertification through the development of more sustainable approaches to land use including agriculture, livestock and settlement
- improvement of overall basin water management including irrigation and inter-basin transfer
- improved fisheries management
- measures to protect biological diversity

**II. DESCRIPTION OF PROPOSED PDF ACTIVITIES BY COMPONENT**

**(i) Initial Consultations**

Following the establishment of an inter-agency GEF steering committee, consultations will be held with central governments, the LCBC and key donors to forge a consensus on the way ahead for the development of a new approach to management of the Lake Chad basin.

**(ii) Establishment of Coordination and Consultation Mechanisms**

Mechanisms will be established to enable more effective coordination, consultation and cooperation between national and local governments and departments, sectoral institutions, donors, the private sector, and local NGO's and community groups.

At local and sub-national levels appropriate structures and mechanisms will be put in place based on the requirements of the local situation and drawing on lessons both from the Niger river basin and Lake Victoria GEF activities.

At the individual country level national consultative committees will be established following the model successfully used in the GEF Niger river basin PDF activities.

At a regional level the ability of the Lake Chad Basin Commission to serve as a regional mechanism for coordination will be enhanced.

Critical to all of the above will be the establishment of structures and mechanisms to ensure full consultation and coordination between the local, sub-national, national, and regional mechanisms.

**(iii) Problem Analysis and Synthesis**

Despite the number of studies and projects carried out in the Lake Chad basin in the past there are still some key information gaps, in particular: an understanding of the local socio-economic situation; and, the institutional capabilities and capacities to undertake effective policy development, planning, management and monitoring within the basin. There is also a need to synthesize the information already existing in the series of studies undertaken by the LCBC, UNEP, UNSO, UNDP, UNDDSMS, FAO and others and combine this information with the needed socio-economic and institutional information. Hence the following activities will be conducted:

- through local consultations and studies as appropriate an understanding of the local social and economic systems, issues and priorities, will be developed;
- an institutional needs assessment, again through consultations and studies as appropriate; and
- existing studies and documents will be reviewed and a synthesis compiled of both these and the socio-economic and institutional assessments. This document will highlight the key issues facing the basin, including trans-boundary environmental issues, and outline options for addressing these.

**(iv) Development of a Strategic Action Programme**

On the basis of the problem analysis and synthesis and through the local, national and regional consultative processes established a Strategic Action Programme (SAP) will be developed. This will reflect local, sub-national, national and global priorities for the sustainable conservation and development of the basin. The SAP is anticipated to include many of the elements and components already identified and developed under the Lake Chad Basin master plan (LCBC 1992).

**(v) Donor Consultations**

Under the leadership of the LCBC, and with the support of the three GEF implementing agencies

through the interagency steering committee, the Strategic Action Programme will be discussed with donors and areas of support and cooperation negotiated. Areas for GEF support will be identified as a part of these consultations based on the GEF Operational Strategies, in particular those for international waters and biological diversity, paying particular attention to GEF Council guidance on issues of land degradation and desertification, and climate change as appropriate. The GEF role is anticipated to include support for the strengthening of overall monitoring, planning and management coordination mechanisms as well as specific actions intended to increase the global environmental values of the Lake Chad region as an international water basin and important site for biological diversity.

(vi) **Development of GEF Project Proposal**

One or more GEF project briefs will be developed by the appropriate GEF implementing agencies in accordance with the identified roles of GEF.

### **III. ELIGIBILITY**

This proposal seeks to create an enabling environment in which *imminent threats* to the regional environment of an international lake basin can be mitigated. These threats encompass physical and ecological degradation of important aquatic, wetland, and shoreline habitats; land-based surface and groundwater pollution; and desertification. Results include the shrinkage of Lake Chad, falling groundwater tables, disappearance of specific plant and animal species, increased soil erosion and loss of soil fertility. Global climate change is arguably one of the contributing factors to these problems and as such this proposal can also be considered as a mitigating action.

This proposal is very much country driven in that it originated from the five member countries of the Lake Chad Commission (Nigeria, Cameroon, Central African Republic, Chad, Niger) and is an outgrowth of the *Lake Chad Basin Master Plan* which was approved by these countries' heads-of-state at the Eighth Summit of the Lake Chad Basin Commission on 23 March 1994. All five countries have notified the GEF Secretariat of their intention to participate in the restructured GEF and are eligible for UNDP and World Bank, and hence GEF, support.

Activities include the integrated management of a freshwater lake basin crossing the boundaries of five central African nations and comprising issues of both surface and groundwater quality and quantity. Its comprehensive approach will integrate projects in three GEF focal areas (international waters, biodiversity, and climate change), and address land degradation and desertification.

The Strategic Action Programme will produce the overarching framework to integrate the *Lake Chad Basin Master Plan*, other regional development strategies and national environmental management plans. It will also enable the *leveraging and reconstituting of donor development assistance*.

The three GEF implementing agencies will work together through an inter-agency steering committee in the planning and execution of PDF activities and the preparation of GEF Project Briefs.

### **IV. NATIONAL LEVEL SUPPORT**

Support for this activity comes directly from the 5 Heads of State who met in N'Djamena on 23 March 1994 (see annex). The Lake Chad Basin Commission (LCBC) will provide the following assistance:

- help in coordination with national agencies, consultancy missions, site visits, etc.
- participate fully in all activities including the provision of technical support equipment, staff, and resources, etc, as able
- provision of office space, meeting facilities, etc.
- maintenance and provision of full access to information, documents, reports, etc, including full access to the LCBC basin-wide library

## V. JUSTIFICATION FOR PDF GRANT

The PDF grant is needed in order to undertake the preparatory consultation work and establish the cooperation and joint consensus at local, sub-national, national, regional and donor levels that has hindered previous efforts to solve the environmental problems of the basin.

The Strategic Action Programme and the GEF Project Briefs generated by the proposed project development activities would produce the institutional restructuring necessary to enable an integration of local, sub-national, national and regional initiatives conducive to long-term, sustainable lake basin management and development. The history of unsuccessful development projects in the region combined with trends in political instability and long periods of drought signal the increasing possibility of environmental conflict surrounding water quantity and quality. In the process of fortifying the institutional and strategic framework, concerted efforts focusing on donor coordination would allow for a restoration of donor confidence.

## VI. ITEMS TO BE FINANCED

The GEF PDF Block B grant would finance the following activities, each GEF implementing agency executing components as agreed by the inter-agency Steering Committee:

PDF Activity	Time Frame	Cost
<b>Coordination</b>	<b>7 months</b>	<b>45,000</b>
2 months international consultant		30,000
3 x 1 week missions		15,000
<b>Initial Consultations</b>	<b>1 month</b>	<b>17,500</b>
0.7 months international consultant		10,000
mission costs		7,500
<b>Coordination &amp; Consultation</b>	<b>1 month</b>	<b>65,000</b>
1 month international consultant		15,000
mission costs		5,000
5 months national consultants (5x1 month each)		10,000
Regional meeting/workshop		35,000
<b>Problem analysis &amp; synthesis</b>	<b>1.5 months</b>	<b>87,500</b>
2 months international consultants (2 @ 1 month ea.)		30,000

mission costs		10,000
7.5 months national consultants		15,000
national consultant travel		2,500
5 National Committee meetings/workshops		15,000
15 Local workshops (3 per country)		15,000
<b>Strategic Action Programme</b>	<b>1.5 months</b>	<b>92,500</b>
1.5 months international consultant		22,500
mission costs		5,000
7.5 months national consultants		15,000
5 national committee meetings/workshops		15,000
1 regional meeting/workshop		35,000
<b>Donor Consultations</b>	<b>0.5 months</b>	<b>17,500</b>
0.5 months international consultant (inc. prep.)		7,500
mission costs		3,000
mission costs - 2 LCBC reps. to Europe		6,000
preparation of documents		1,000
<b>GEF Proposal Preparation</b>	<b>1 month</b>	<b>15,000</b>
1 month international consultant		15,000
<b>Contingencies</b>	<b>0.5 months</b>	<b>2,000</b>
<b>Total Cost</b>		<b>342,000</b>

## VII. OUTPUTS

The outputs of this PDF will be:

- (i) A strengthened mechanism for consultation and coordination amongst the various stakeholders participating in the management and development of the Lake Chad basin including the local communities themselves, local and sub-national governments and institutions, national institutions, and between the nations themselves.
- (ii) An agreed document summarizing the key issues, priorities and options for the integrated management of the basin.
- (iii) An agreed Strategic Action Programme for the integrated development of the basin.
- (iv) A series of donor funded programmes and projects, including one or more supported by the GEF, to implement the key aspects of the Strategic Action Programme.

## VIII. EXPECTED DATE OF PREPARATION COMPLETION

The PDF activities will commence in July 1995 and be completed in February 1996. GEF projects will be submitted to the April 1996 Council meeting.

## **IX. SPECIAL FEATURES**

This GEF activity will provide a basis for integrating a large number of project initiatives, as presented in the LCBC Masterplan. The project development process will be carefully linked with the process of project identification, elaboration and donor consultation initiated through the Masterplan. Complementary actions will be identified and implemented through the GEF to promote the integrated management of the Lake Chad Basin.

The initiative is multi-thematic in that it addresses issues in all three GEF focal areas as well as land degradation and desertification issues.

The overall process will be guided by an inter-agency Steering Committee involving all three GEF implementing agencies. The purpose of, mode of operation of, and the roles of each of the three implementing agencies within, the steering committee are detailed in Appendix 1. This will be over and above the "Coordination and Consultation Mechanism" to be established under Activity (II) and which will also involve representatives from each of the three GEF implementing agencies.

The process will also be governed by a series of well defined checkpoints and failure to pass any of the checkpoints will result in termination of the activity at that point and the return of unused funds to the GEF. The checkpoints, their timing, and the indicators for determining compliance are listed in Appendix 2. Compliance will be determined by the inter-agency Steering Committee.

## **X. IMPLEMENTING AGENCY REPRESENTATIVES**

Currently the GEF implementing agency contact points for this initiative are:

UNDP: John Hough

UNEP: Walter Rast

World Bank: Richard Paton

In addition, Alfred Duda, International Waters Specialist in the GEF Secretariat, has been closely involved in the development of this activity and is expected to remain so.

## REFERENCES

- KINDLER, J. et al.,** *"The Lake Chad Conventional Basin - A Diagnostic Study of Environmental Degradation"*, Final, UNEP/UNSO/UNDP in cooperation with The Lake Chad Basin Commission (LCBC), November 1989.
- THE LAKE CHAD BASIN COMMISSION (LCBC),** *Basin Du Lac Tchad -Programme d'action*, prepared in cooperation with FAO, N'Djamena, Chad 1985.
- LEMDALLE J.,** Le fonctionnement hydrologique du Lac Tchad au cours d'une periode de secheresse (1973-1989), LCBC, 1989
- THE LAKE CHAD BASIN COMMISSION (LCBC),** *Master Plan for the development and environmentally sound management of the natural resources of the Lake Chad Conventional Basin*, prepared in cooperation with PNUE/UNSO, N'Djamena, Chad, June 1992.
- MAIGA, Housseini A.,** Planification et Gestion des ressources en eau du Bassin du Lac Chad, Rapport final d'activites en hydrologie, CBLT/PNUD/DTCD Project RAF/88/029, Septembre 1992.
- BCEOM, SOGREAH, ORSTOM, MOTT MACDONALD ,** *"Sub-Saharan Africa Hydrological Assessment West African Countries"*, Country report: NIGER, joint program BANQUE MONDIALE/PNUD/BAD and FAC, July 1992.
- MOTT MACDONALD,** in association with BCEOM, SOGREAH, *"Sub-Saharan Africa Hydrological Assessment West African Countries"*, Country report: NIGERIA, joint program BANQUE MONDIALE/PNUD and BAD, August 1992.
- SOGREAH, ORSTOM, MOTT MACDONALD, BCEOM,** *"Sub-Saharan Africa Hydrological Assessment West African Countries"*, Country report: CHAD, joint program BANQUE MONDIALE/PNUD/BAD and FAC, July 1992.
- SOGREAH, ORSTOM, MOTT MACDONALD, BCEOM,** *"Sub-Saharan Africa Hydrological Assessment West African Countries"*, Country report: CAMEROUN, joint program BANQUE MONDIALE/PNUD/BAD and FAC, July 1992.
- BCEOM, SOGREAH, ORSTOM, MOTT MACDONALD,** *"Sub-Saharan Africa Hydrological Assessment West African Countries"*, Country report: CENTRAFRIQUE, joint program BANQUE MONDIALE/PNUD/BAD and FAC, August 1992.
- ORSTOM, MOTT MACDONALD, BCEOM, SOGREAH,** Evaluation de l'Afrique Sub-Saharienne - Pays de l'Afrique de L'Ouest, Rapport Regional, joint program BANQUE MONDIALE/PNUD/BAD and FAC, Decembre 1992.
- MOTT MACDONALD,** Mathematical Model of the Hydrological Behaviour of Lake Chad and its Feeder Rivers, Main Report, UNDP Project RAF/088/029, January 1993.
- CLARKE, R.T. et al.,** *Planning and management of the water resources of the Lake Chad Basin*, Report of the Evaluation Mission, UNDP Project RAF/88/029, February 1993.



**GENIK, G.J.,** *Petroleum Geology of Cretaceous-Tertiary Rift basins in Niger, Chad, and Central African Republic*, V.77, The American Association of Petroleum Engineers Bulletin, No. 8, P. 1405-1434, August 1993.

**AGENCE INTERNATIONALE DE L'ENERGIE ATOMIQUE (AIEA),** Les ressources en eau au Sahel - Etudes hydrogeologiques et hydrologiques en Afrique de l'Ouest par les techniques isotopiques, comptes rendus des etudes effectuees dans le cadre du projet RAF/8/012: Hydrologie isotopique dans les pays du Sahel, IAEA-TECDOC-721, Vienne, Autriche, October 1993

**KING, G.R. et al.,** *Definition of the Development strategies of the water resources of the Lake Chad Basin*, Note presented at the LCBC/UNDP/UNDDSMS Project Seminar of UNDP Project RAF/88/029, N'Djamena, Chad, November 1993.

**KING, G.R. et al.,** *Definition of the Development strategies of the water resources of the Lake Chad Basin*, Report, LCBC/UNDP/DTCD Project RAF/88/029, N'Djamena, Chad, November 1993.

**IDRISSA, Y.,** Planification et Gestion des ressources en eau du Bassin du Lac Chad, Report of project presentation, End of project Seminar, CBLT/PNUD/DTCD Project RAF/88/029, November 1993.

**UNDDSMS,** Planification et Gestion des ressources en eau du Bassin du Lac Chad, General Final Report, CBLT/PNUD/DTCD Project RAF/88/029, February 1994.

**THE LAKE CHAD BASIN COMMISSION (LCBC),** *Rapport sur le lancement de la Campagne Internationale de Sauvegarde du Lac Tchad*, Huitieme sommet des Chefs d'etat et de gouvernement, Abuja, Nigeria, 23 March 1994.

**THE LAKE CHAD BASIN COMMISSION (LCBC),** *Integrated development of Lake Chad*, Draft Project Document, Project No. 1, Chad, April 1994.

**CHENE J-M.,** UN DDSMS Compte-Rendu de Mission au Chad, Mission Report, October 1994.

**ANNEXE 1.****Integrated Management of the Lake Chad Basin****GEF Inter-agency Steering Committee****Purpose**

- to ensure full inter-agency cooperation, communication and coordination throughout the project lifetime
- to draw on the collective experience of all three GEF implementing agencies

**Action and (Mode of Operation)**

1. Agree TOR's for consultants. (phone, E-mail, fax)
2. Agree that checkpoints are satisfactorily passed (in particular Checkpoint 1 and that the PDF should continue). (phone, E-mail, fax)
3. Agree on composition and functioning of "coordinating body" (phone, E-mail, fax)
4. Approve technical synthesis, institutional assessment, reports on local consultations, etc. (phone, E-mail, fax)
5. Approve Strategic Action Programme (SAP) (phone, E-mail, fax)
6. Participate in regional workshop on the SAP (meeting)
7. Guide the donor workshop (meeting)
8. Agree on the "Project Brief" to be submitted to the GEF (phone, E-mail, fax)

**Agency Roles**

Essentially these show a progression from initial UNEP technical and scientific work through UNDP capacity building to World Bank investment as the activity moves from analysis and conception through development to completion. viz.

- |                   |  |
|-------------------|--|
| <b>UNEP</b>       | <ul style="list-style-type: none"> <li>- technical review and synthesis (Block B)</li> <li>- donor consultation workshop (Block B)</li> <li>- scientific and technical oversight &amp; monitoring (Project)</li> </ul>   |
| <b>UNDP</b>       | <ul style="list-style-type: none"> <li>- initial government consultations (Block B)</li> <li>- establishment of agreed "coordinating body" (Block B)</li> <li>- local consultations (Block B)</li> <li>- institutional needs assessment (Block B)</li> <li>- coordination of development of SAP (Block B)</li> <li>- capacity building activities (early "project")</li> </ul> |
| <b>World Bank</b> | <ul style="list-style-type: none"> <li>- building donor confidence (Block B)</li> <li>- development of investment strategies (Block B)</li> <li>- investment activities (late "project")</li> </ul>  |

**Leadership within the Steering Committee would be expected to progressively shift from UNEP through UNDP to the World Bank in accordance with this progression through the activities.**

**ANNEXE 2.****Integrated Management of the Lake Chad Basin****Key Checkpoints in the PDF Block B Phase**

	<b>Checkpoint</b>	<b>Timing</b>	<b>Indicators</b>
1.	Government (all) commitment to change	End of "Initial Consultations"	Establishment of some form of regional "coordinating body" which is "wider" than the existing Lake Chad Basin Commission
2.	Effective coordination and consultation mechanisms in place	After "initial consultation" phase	Appropriate commitment to and participation in coordinating body and consultations/workshops.
3.	Agreement on the problem	End of Problem analysis and synthesis phase	Agreement of document by "coordinating body"
4.	Agreement on a Strategic Action Programme	End of "Strategic Action Programme" phase	Agreement of document by "coordinating body"
5.	Agreement on GEF component(s)	End of "Donor Consultation" phase	Agreement of "coordinating body" on objectives for initial GEF financed component(s)
6.	Agreement on GEF submission	End of PDF Block B activities	Government letter of support to submission of final "Project Briefs"