# UNEP/GEF PDF-B EP/GLO/301/GEF

"Conservation and Management of Pollinators for Sustainable Agriculture, Through an Ecosystem Approach"

#### Final Report of the

**Second International Steering Committee (ISC) Meeting** 

**FAO Headquarters, Rome, Italy** 

13-16 December 2004

Food and Agriculture Organization of the United Nations December 2004

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#### 1. Introduction

The PDF-B project on the "Conservation and Management of Pollinators for Sustainable Agriculture, Through an Ecosystem Approach", approved for funding by the Global Environment Facility (GEF), began implementation on 1 April 2004 and will have a duration of 24 months. The project is implemented by the United Nations Environment Programme (UNEP) and executed by the Food and Agriculture Organization of the United Nations (FAO).

The International Steering Committee (ISC) held its second meeting in Rome at FAO Headquarters from 13-16 December, 2004. Members of the ISC participating at this second meeting are listed in Annex 1 (List of Participants). Pakistan was not represented at the meeting.

A CD-Rom containing all technical information provided by partners during the PDF-B phase to date, was compiled and distributed at the meeting.

The main objectives of the meeting were to:

- 1. Present stocktaking results at national, regional and international levels (including preliminary IT findings)
- 2. Develop baseline scenario with costs
- 3. Develop alternative scenarios
- 4. Agree on criteria for demonstration sites
- 5. Discuss funding strategy for the Full-sized Project

During the meeting, another objective was suggested:

6. Understand Monitoring and Evaluation.

The overlying concept of collaboration was stressed.

The main outputs of the meeting were the:

- 1. Agreement on baseline scenario for Full-sized Project
- 2. Agreement on preliminary activities for the Full-sized Project
- 3. Agreement on criteria for demonstration sites

The meeting was opened by Linda COLLETTE (Senior Officer (Crop and Crop Associated Biodiversity), FAO Plant Production and Protection Division, Agriculture Department), who gave a brief overview of the project and meeting objectives, but also a brief overview of GEF's priorities and strategies based on the November 2004 GEF Council meeting. She stressed GEF priorities for monitoring and evaluation, country endorsement, co-funding, long-term sustainability, elaboration of risk management in risk-prone areas and community participation.

All participants then introduced themselves, as there were some new members of the ISC (Nepal and India), as well as FAO Staff.

The agenda of the Second ISC meeting was presented by the Facilitator (Rainer KRELL, FAO), and adopted by the members of the ISC (Annex 2).

To place the discussions of the meeting in the context of the development of the Full-size Project (FSP), Linda COLLETTE gave a review of the Problem Analysis and Project Planning Matrix (Log Frame). Marieta SAKALIAN (UNEP/GEF) reviewed and clarified the concepts of baseline and incremental costs, and alternative scenario.

#### 2. Presentations – Stocktaking and Needs Assessment, and Baseline Scenario

In order to have a common understanding of the project, Linda COLLETTE presented the objectives and components of the Full-size Project, and of the PDF-B Phase. Country partners presented the results of their PDF-B implementation to date, in particular the results of the stocktaking exercise:

- i. Knowledge base
- ii.Best management practices
- iii. Capacity building and awareness raising
- iv. Sharing experiences and dissemination of results

These were followed by discussion and sharing of experiences.

Further presentations were given on the global dimension of the project: (i) on information technology, by Arthur CHAPMAN (International consultant, Information Technology); and (ii) on the global components of the project, by Barbara GEMMILL (HERREN) (Global Project Coordinator). Selected case studies received, globally, for the preliminary State of the World's Pollinators were presented.

Partners agreed to send information regarding IT issues (e.g. what partners are looking for in IT solutions) to Arthur CHAPMAN by **December 23, 2004**.

#### 3. Development of Full-size Project Activities

All participants developed a preliminary list of activities for the Full-size Project (FSP) for all four components. Discussions for the second and third component were carried out in two groups, who then reconvened to discuss the preliminary list of activities. Local and global potential impact was also discussed. The preliminary list of activities for all four components were compiled and distributed to partners, who were requested fill out the sections on which activities pertain to their country specificity, and the relative weight.

Component 3 was revised to be called "Capacity building", and Component 4 was recognised to need a stronger focus on mainstreaming, and hence is provisionally called "Sharing of experiences and dissemination of information, awareness and mainstreaming".

The preliminary list (by component) is in Annex 3 and will be refined and reorganised by FAO, and sent to partners.

#### 4. Criteria for demonstration sites

The criteria for demonstration site selection were discussed and agreed upon. The final list is in Annex 4. During discussions, the scope of the project was discussed, referring to crop systems and the surrounding environment relevant to pollinators. It was agreed that the focus of the demonstration sites be on crops, which are defined as horticultural, field, orchard, cultivated fruit and tree crops.

#### 5. FSP preparation

Marieta SAKALIAN (UNEP/GEF) presented UNEP/GEF requirements for the FSP. These included implementation and management structures at national and global levels, stakeholder participation plan, budget requirements and monitoring and evaluation plan. Examples were provided.

#### 6. Funding strategy

The development of a funding strategy was discussed, based on a draft document provided to partners, and finalized (Annex 5). Discussions were focused on the difference between gathering information on co-funders and their activities, and securing co-funding.

#### 7. Review of PDF-B work plan and timetable

The work plan and timetable for the PDF-B was reviewed in detail. A "to do" list for countries, and for FAO (global dimension), was prepared, and new deadlines were agreed upon. These can be found in Annex 6.

#### 8. Third International Steering Committee (ISC) meeting

The third meeting of the ISC will be held at FAO Headquarters in Rome, Italy in May, 2005.

At the third ISC meeting, suggested topics to be covered will be:

- Indicators
- FSP draft
  - o Co-funding
  - o Strategies
  - o IT component
  - o Global aspects (e.g. crop selection, systems, exchange, coordination)

It was also suggested that the necessity of the scheduled fourth meeting of the ISC be decided at a later date, or, as appropriate, be used as a donors meeting.

#### 9. Other matters

A CD-Rom was distributed at the end of the second ISC meeting, containing information discussed at the meeting.

The final report was approved by all present members at the second ISC meeting.

# **ANNEXES**

# CONSERVATION AND MANAGEMENT OF POLLINATORS FOR SUSTAINABLE AGRICULTURE, THROUGH AN ECOSYSTEM APPROACH $2^{\rm nd}$ INTERNATIONAL STEERING COMMITTEE MEETING FAO, ROME, 13-16 DECEMBER 2004

#### FINAL LIST OF PARTICIPANTS

	PARTICIPANTS	8		POSTAL ADDRESS	EMAIL/	CONTACT
COUNTRY	NAME	JOB TITLE	INSTITUTION		WEBSITE	DETAILS
Brazil	Braulio Ferreira de Souza DIAS	Gerente de Conservação da Biodiversidade Secretaria de Biodiversidade e Florestas	Ministerio do Meio Ambiente	SAIN Av. L4 Norte, Campus Sede do IBAMA, Bloco H 70.800-200 Brasília, DF, Brasil	bfsdias@terra.com.br Braulio.dias@mma.gov.br	Tel: + 5561 325-4185 317-1120 Fax: + 5561 325-5755
Ghana	Peter KWAPONG		Department of Entomology & Wildlife School of Biological Sciences	University of Cape Coast Cape Coast, Ghana.	pkwapong@yahoo.com	Tel: (233-42) 31191 Cell: (233-20)8173318 Fax: (233-42) 35095
Kenya	Wanja KINUTHIA	Entomologist, Department of Invertebrate Zoology	Department of Invertebrate Zoology, National Museums of Kenya EAFRINET Coordinator	National Museums of Kenya Box 40658, 00100 Nairobi Kenya	eafrinet@africaonline.co.ke http://eafrinet.ecoport.org http://www.museums.or.ke	Tel: (254-(0)-20) 3742445 Fax: (254)-(0)20) 3744833
India	Uppeandra DHAR	Director Incharge & Core Head Conservation of Biological Diversity	G.B. Pant Institute of Himalayan Environment & Development,	Kosi-Katarmal, Almora 263 643 (UA)	udhar@nde.vsnl.net.in	Ph.05962-241041; 241157(r) Fax: 241014;241150
Nepal	Asheswar JHA	Joint Secretary, GEED, MoAC, Singhadurbar, Kathmandu, Nepal	GEED Singhadubar Kathmandu		ajha@moac.gov.np	Fax: 977-1-5526358
South Africa	Connal EARDLEY		Agricultural Research	Private Bag X 134	EardleyC@arc.agric.za	Tel: 27 (0)12-3049578

	PARTICIPAN	ΓS		POSTAL ADDRESS	EMAIL/	CONTACT
COUNTRY	NAME	JOB TITLE	INSTITUTION		WEBSITE	DETAILS
			Council, Plant Protection Research Institute (ARC/PPRI)	Queenswood, 0121, South Africa 590 Vermuelen Street, Pretoria, South Africa		direct – 304 9560 (reception) Fax: 27 (0) 123256998
ICIMOD NEPAL	Ahmand FAROOQ  Coordinator, Beekeeping, Agriculture and Rural Income Diversification  Coordinator, Beekeeping, for Integrated Mountain Developament (ICIMOD)		GPO Box 3226, Jawalakhel, Kathmandu, Nepal	farooq@icimod.org.np fahmad@icimod.org.np	Tel: + 977 1 5525313 Fax: + 977 1 5524509 5536747	
UNEP/DGEF						
Marieta SAKA	LIAN	Task Manager	UNEP/DGEF	P O BOX 30552 Nairobi Kenya	marieta.sakalian@unep.org	Tel: +254 230 624352 Fax:+254 20 624041/46117
F A O						
Linda COLLET	ГТЕ	Senior Officer Crop Biodiversity Seed and Plant Genetic Resources Service	FAO	Viale delle Terme di Caracalla, 00100 Rome, Italy	linda.collette@fao.org	Tel: +39 06 570 52089 Fax: +39 06 570 56 347
Barbara GEMN	MILL-HERREN	Global Project Coordinator, GEF Pollinator Project	FAO	Viale delle Terme di Caracalla, 00100 Rome, Italy	barbara.herren@fao.org	Tel: +39 06 570 56838 Fax: +39 06 570 56 795
Nadine AZZU		Crop Biodiveristy Officer, Seed and Plant Genetic Resources Service	FAO	Viale delle Terme di Caracalla, 00100 Rome, Italy	nadine.azzu@fao.org	Tel: +39 06 570 56795 Fax: +39 06 570 56 795
Rainer KRELL		Environment &	FAO	Viale delle Terme di	rainer.krell@fap.org	Tel. 06-570-52419-
		Sustainable Dev. Officer		Caracalla, 00100 Rome, Italy		

	PARTICIPANT	S		POSTAL ADDRESS	EMAIL/	CONTACT
COUNTRY	NAME	JOB TITLE	INSTITUTION		WEBSITE	DETAILS
IT - Global Stud	· V	Environmental	Australian	P OBox 7491, Teeweamba	biodiv@achapman.org]	Tel. +61 7 4630 9065
Atulul CHAFMA	NIN.	Consultant	Biodiveristy Information Services	South, Queensland, 4362 Australia	<u>опоціу (фаспарінані огд</u> )	Tel. ±01 / 4030 9003

#### **AGENDA**

UNEP/GEF PDF B Project on:
"Conservation and Management of Pollinators for Sustainable Agriculture,
Through an Ecosystem Approach"

SECOND INTERNATIONAL STEERING COMMITTEE MEETING
Canada Room
Building A - Room 356/7

FAO, ROME, ITALY 13-16 DECEMBER, 2004

#### **Objectives:**

- 7. Present stocktaking results at national, regional and international levels (including preliminary IT findings)
- 8. Develop baseline scenario with costs
- 9. Develop alternative scenarios
- 10. Agree on criteria for demonstration sites
- 11. Discuss funding strategy for the Full-sized Project

#### **Outputs**:

- 4. Agreement on baseline scenario for Full-sized Project
- 5. Agreement on alternative scenario for the Full-sized Project
- 6. Agreement on criteria for demonstration sites

#### **PART I: Introduction and Baseline Scenarios**

#### MONDAY 13 DECEMBER, 2004

Morning Session: 9:00 - 12:30

(Break 10:00-10:30)

- Welcome (L. Collette)
- Introduction of participants
- Meeting objectives (L. Collette)
- Presentation and adoption of agenda (R. Krell)
- Review Log Frame (L. Collette)
- Concepts of baseline and incremental costs (M. Sakalian)
- <u>Presentation of PDF-B implementation status Stocktaking and Needs Assessment Exercise and Baseline Scenarios</u> (B. Herren)

#### **Stocktaking Report**

- i. Knowledge base
- ii. Best management practices
- iii. Capacity building and awareness raising
- iv. Sharing experiences and dissemination of results

#### **Africa**

- Ghana (P. Kwapong)
- Kenya (W. Kinuthia)
- South Africa (C. Eardley)

#### Asia

- India (U. Dhar)
- Nepal (A. Jha)
- Pakistan (A. Qayyum)

Brazil (B.Ferreria de Souza Dias)

#### Global

- Information management (including IT study) (A. Chapman)
- Global components (B. Herren/L. Collette)

12:30-14:00 Lunch

**Afternoon Session 14:00 – 17:00** (Break 15:00-15:30)

- ...cont'd (presentation of PDF-B implementation status)
- Discussion on experiences and challenges

#### PART II: DEVELOPMENT OF FULL-SIZE PROJECT ACTIVITIES

#### **TUESDAY 14 DECEMBER, 2004**

Morning Session: 9:00 - 12:00

(Break 10:00-10:30)

- Development of alternative scenario, by component of the FSP:
  - <u>Development of a Knowledge Base</u> (Introduction: B. Herren, followed by discussion)
    - resources needed, primary beneficiaries, and appropriate level of coordination:
       national
       regional
       international
    - Extension and Promotion of Pollinator-friendly Best Management Practices (Introduction: B. Herren, followed by discussion)
      - resources needed, primary beneficiaries, and appropriate level of coordination:
        national
        regional
        international

12:00-13:30 Lunch

#### Afternoon Session 13:30 - 18:00

(Break 15:00-15:30)

- Capacity Building and Awareness Raising (Introduction: B. Herren, followed by discussion)
  - discuss needs assessments of awareness raising and capacity building strategies
  - resources needed, primary beneficiaries, and appropriate level of coordination: national

regional

international

- <u>Sharing of Experiences and Dissemination of Results</u> (Introduction: B. Herren, followed by discussion)
  - including resources needed, primary beneficiaries, and appropriate level of coordination:

national

regional

international

#### WEDNESDAY, DECEMBER 15, 2004

Morning Session: 9:00 - 13:00

(Break 10:00-10:30)

- ...cont'd (Development of alternative scenario, by component of the FSP)

13:00-14:30 Lunch

#### **PART III: STRATEGIES AND PLANS**

- Discuss and finalize criteria for demonstration sites (L. Collette and partner countries)
- Co-funding strategy and Financial Plan (L. Collette/B. Herren)
- Project replication strategy (M. Sakalian)
- Implementation strategy and structures for Full-sized Project (M. Sakalian)
  - Implementation structures at national and global levels
  - Stakeholder participation plan
  - Financial Plan
  - Monitoring and Evaluation Plan

**Evening "Homework":** To return the following morning with the proposed alternative scenario activities in each country placed within the **Summary Incremental Costs Matrix**, (column 3) including estimated costs.

#### PART IV: REVIEW OF PDF-B WORK PLAN AND TIMETABLE

#### THURSDAY, DECEMBER 16, 2004

Morning Session: 9:00 – 12:30

(Break 10:00-10:30)

- PDF-B workplan (L. Collette)
- PDF-B timetable (L. Collette)
- Stakeholder communication (B. Herren/L. Collette)

12:30-14:00 Lunch

**Afternoon Session 14:00 – 17:00** (Break 15:00-15:30)

- Other items (L. Collette/B. Herren)
  - Reporting (technical and financial)
  - Third ISC meeting
- Review of draft 2<sup>nd</sup> ISC Final Report (N. Azzu)
- Adopt 2<sup>nd</sup> ISC Final Report (All participants)
- Wrap-up

#### COMPONENT I – DEVELOPMENT OF A KNOWLEDGE BASE

	Potential Impact		Needed (y/n)	Weight (%)	Notes
	Local	Global	(3/11)	(/0)	
1.1. Update literature review and analysis				l l	
Cluster 1 - Compilation	X				
Collect copies of articles					
Compile thesis and reports					
Review literature on indigenous					
knowledge and practices					
Case studies included in literature					
compilation					
Survey of abstracts					
Collecting grey literature					
Cluster 2 - Reviews	X	X			
Pollinators in different agro-ecosystems					
Pollinators of major crops of agro-					
ecosystems					
Agro-ecosystem approach					
Cropping system approach					
Pollinator decline					
Implication of change land use – land use					
change-population dynamics					
Cluster 3 - Access	X	X			
Common platform for literature bases and					
searchable existing literature					
Easy access through PDF or CD's					
Enhance access to existing literature					
Digitalizing grey literature					
Promote pollination information in					
tertiary institutions/Disseminate literature					
on pollinators to institutions					
Information to be made available					
Cluster 4 – Published	X	X			
Information to be published					
1.2 Refine methods for the different surve	ys at cou	untry level		1	
Cluster 1 – Survey Design	X	X			
Harmonize pollinator surveys					
Develop survey methodologies					
Adaptive global assessment					
methodologies on declines tested,					
replicated					
Test them and go ahead					
Define approaches and methodologies					
Define and implement experimental					
designs to measure causes of decline					

Standardize equipment				
Collaborations developed/reinforced with				
other continental assessments for				
harmonization and sharing				
Cluster 2- Documenting	X	X		
Document procedures	Λ	Λ		
Publish manuals on standard methods				
Publish manuals on standard methods				
12 Dogument origing traditional knowle	dos and n	un oti o on		
1.3 Document existing traditional knowle Cluster 1 – Rules		ractices		
	X			
Define and apply rules to collect and				
disseminate knowledge, to protect rights  Cluster 2 – Gather				
	X			
Gathering information - Identification of traditional knowledge				
•				
pertaining to pollination  Cluster 3 - Document	77 (16	** ('C 1		
Cluster 5 - Document	X (if rules	X (if rules adequate)		
	adequate)	uacquate)		
Farmers' traditional knowledge and				
practises documented to focus group				
discussion				
Document traditional knowledge on				
pollination				
1.4 Assess plant pollination needs				
Cluster 1 – Selection	X			
Chose priority crops				
Identify crops most dependent on				
pollinators				
Cluster 2 – Assessment	X	X		
Assess crop benefits from pollination				
Assess pollination needs and availability				
of major crops and other plants of				
economic importance				
Study plant-pollinator benefits				
Pollen deposit sufficiency methods				
developed/used (crop perspective)				
1.5 Assess socio-economic value of pollin	ation (fiel	ld work)		
Cluster 1 – Methodology	X	X		
Develop robust framework of valuation				
of pollination as ecosystem service				
Harmonize economic valuation methods				
Use redundant methods				
Through community participation				
Cluster 2 – Assessment	X	X		
Assess the actual and potential economic				
value of pollination to crops	<u>L</u>		 	
Economic evaluation of pollinators				
Assess non-commercial (subsistence)				
crop value				
Assess non-honeybee contribution				
Social/cultural evaluation of pollinators				
	•		1	

Identify mallimaton companying					
Identify pollinator conserving communities and document this					
information					
Cluster 3 – Awareness	X	X			
Pollination as input of production					
(awareness)					
1.6 Survey public awareness (field work)	_	_		_	
Cluster 1 - Tools		X			
Develop tools to assess public awareness					
Cluster 2 – Surveys	X				
Survey awareness of farmers,					
extensionists, conservationists,					
consumers, policy makers					
Schools					
Assess the level of awareness					
Survey awareness among stakeholders					
Relevant private sector					
Cluster 3 – Analysis of surveys	X	X			
Develop understanding about the positive					
or negative attitudes towards pollinators					
Attitudes of farmers on pollinators' role					
studied					
Study attitude of extension workers on					
the role of pollinators					
Attitude of national and international					
policy makers					
poricy makers					
1.7 Develop manuals and tools for polling	tor idan	tification n	ollinator la	ndseana mar	agamant and
information presentation	uor iuen	ujicanon, p	<i>սաաս</i> ա	пизсире тип	iugemeni, unu
Cluster 1 – Training manuals	X	x (if			
Cluster 1 – Training manuals	A	translated)			
Manuals for farmer training					
Manual for extension workers training					
(all aspects)					
Cluster 2 – Identification tools	X	X			
Identify lucid keys – user friendly		74			
Identification manual					
Develop user-friendly keys	+				
Pictorial manuals for farmers	1				
Cluster 3 – Management decision	v	v			
Develop or adapt decision support tools	X	X			
for farmers and landscape planners and					
managers Tools developed for pollinator landscape	1				
Tools developed for pollinator landscape					
management Classics 4 Postisis steam tools					
Cluster 4 – Participatory tools	X	X			
Tools on participatory action research	1				
Cluster 5 - Translation	X	X			
Pollinator-specific multi-lingual					
vocabulary software leading to prompt					
translations					
Local language translation of manuals  Cluster 6 – Interfaces					

Interfaces with existing databases					
(discovery tools)					
(discovery tools)				+	
1 9 Ouganise and undate databases					1
1.8 Organise and update databases Cluster 1 – Contents	77	77			
	X	X			
Collect data on experts and facilities					
Nesting sites					-
Bee-keeping					-
Diversity					-
Databases on crop pollination needs,					
effective pollinators, pollinator surveys,					
value of pollination, awareness of pollination, etc					
Cluster 2 – Tools					
		X			
Effective interaction database (plant-					
pollinator-agro-ecosystem) developed, made available					
Pollinator databases					
harmonised/interoperability Clean data					
Clean data Clean interface-query systems	1			1	
Clean interface-query systems					
104					
1.9 Assess pollinator effectiveness and av					1
Cluster 1 – Identification	X	1/2		+	
Identify effective pollinators for major					
crops and other plants of economic					
importance					
Identification of major pollinators				+	
Determine pollinators from floral visitors					
Identify pollinators		(if 2)			
Cluster 2 – Causes for pollinator decline	X	x (if?)			
Inter-specific competition: native-introduced					
		+		+	
Land use change impact on population dynamics					
Cluster 3 - Assess	77	x (if?)			
Assess service of pollinators	X	X (11!)			
Monitor pollinator populations					
Monitor polimator populations				+	
1 10 Summy and "can Giling" in nalling	u biolos	m and cools			
1.10 Survey and "gap-filling" in pollinate Cluster 1 – Targeted research			<i>\$y</i>		
Identify alternate foraging resources	X	X	1	+	
Study conservation biology of pollinators	+		1	+	
Pollinator distribution	1				
Pollinator distribution Pollinator nesting biology	+				
Systematically compile plant-pollinator-	+				
ecosystem interactions  Pollingtor dispersel/plant gang flavy	+			1	
Pollinator dispersal/plant gene flow	1			1	
Engage universities (students) to carry					
out extensive research on pollinator					
biology and ecology	+				
Fill in information gaps on biology and	1		!	_l	

ecology of effective pollinators of selected crops					
Selected crops					
1.11 Analysis of effectiveness of enabling	environn	ient	l		
Cluster 1 – Analysis of instruments	X	X			
Analysis of policy instruments that are					
pollinator-friendly and those that are not					
Document and analyse pollinator friendly					
policies and legislation					
Review success/failures of					
mainstreaming in policy					
Analyse legislations, policies, economic					
instruments, markets, certifications					
1.12 assess interaction between agro-ecos	) 	d nollingti	04 44 44 46 4		
Cluster 1 – Analysis of interactions	x	xa poniman X	on munuger	neni 	
between agro-ecosystems and	Λ	Λ			
pollination management					
Characterise threats/benefits of all					
different agro-ecosystems to pollinators					
Analyse quality of interaction					
J 1 J					
Assess target food crops and wild related					
species in relation to pollination					
Analyse contribution of natural					
ecosystems					
Consider impact of spatial and temporal					
features of agro-ecosystem structure and					
practices on pollinators					

#### COMPONENT 2 – EXTENSION AND PROMOTION OF POLLINATOR-FRIENDLY MANAGEMENT PRACTICES

	Potential Impact		Needed (y/n)	Weight (%)	Notes
	Local	Global	(3,11)	(70)	
2.1 Identify and assess best management	practices	(BMP)			
Cluster 1 - Document		X			
Inventory of practices that can be					
applied to pollinator conservation					
Document BMP and share them					
Identify IPM implications on					
pollinators					
Identify existing local practices					
Reduced pesticide use					
Determine the IK that supports best					
practices					
Include in inventory practices to					
manage pollinators at a landscape level					
Practice must conserve pollinator					
diversity					
Take inventory of sacred groves (forest					
islands)					
Cluster 2 - Analysis		X			
Carry out consultations with farmers,					
extensionists to identify BMP					
Identify indicators of BMP					
Identify, test to develop BMP					
The following ("old" 2.4) has been integ				`	
2.4 Document best management practices	s (econon		nigniightea)	)	
Cluster 1 – Document		X			
Document socio-economic aspects of BMP					
Document the impact of sacred groves					
on pollinators and crop production					
Document BMP of high economic					
value					
Document food security					
Document impacts, practices and costs					
to farmers to implement					
Cluster 2 – Assess		X			
Assess replication in similar settings					
Assess effect on environment					
Assess economic aspects					
2.2 Develop management practices th	huouah d	ana an stuatio	n citac		
Cluster 1 – Setting up sites		emonsirano	n sues		
Demo site representative	X				
Establish demo sites to show the					
impact					
Demonstration at prevalent cropping					

system					
Establish flower gardens		<u> </u>			
Select sites representing agro-					
ecosystem					
Create community reserves					
·					
Set up IK demo sites for best practices					
			1	ı	
Cluster 2- Develop practices		X			
Develop/test specific recommendations					
for forage, nesting, water needs of					
pollinators in demo sites					
Participatory approach					
Refine through participation					
Develop management practices for					
major pollinator dependent crops in all					
the regions					
Augment food base for pollinators					
	<u> </u>				
2.3 Evaluate best management pract	ices	T	1	T	
Cluster 1 – Tools		X			
Develop participatory methodology of					
evaluation					
Develop approaches for evaluation					
Tools to evaluate effective					
management practices					
Cluster 2 – Doing	X				
Determine best practices to show-case					
economic benefits					
Monitor the effect of community					
reserves					
Evaluate BMP on farmer fields					
Carry out evaluation involving farmers,					
researchers and development					
professionals					
Test if it conserves pollinator diversity					
Evaluate other on-farm best practices					
Evaluate effectiveness of specific					
recommendations/practices to provide					
forage, nesting and water needs of					
pollinators on farm					
2.4 Document best management practic	es (econo	omic aspe	cts highlighte	rd)	
Cluster 1 – Document	, = = = = =	X	, <b>.</b>		
Document socio-economic aspects of	<u> </u>				
BMP					
Document the impact of sacred groves					
on pollinators and crop production					
Document BMP of high economic					
value					
Document food security	<u> </u>				
Document impacts, practices and costs					
to farmers to implement					
Cluster 2 – Assess	<u> </u>	v			
Ciustei 2 – Assess	<u> </u>	X	<u> </u>	l	

Assess replication in similar settings					
Assess effect on environment					
Assess economic aspects					
•					
2.5 Produce management plans and	manuals	•			
Cluster 1 – Content		X			
Manual depicting the process,					
including landscape level management					
- from demo sites					
Manuals design for specific user					
Develop manual for farmer-based					
NGO's					
Produce manuals for farmers,					
development practitioner based on					
management plans					
Develop clear manuals for farmers,					
extension agents and policy makers					
Cluster 2 – Procedure (deliver)		X			
Produce management plans through		71			
participation					
Develop local BM Plans and manuals					
Develop and produce crop based					
management plans and pollinator based					
management plans					
2.6 Propose and establish pollinator	friendly t	olicies ar	nd incentives	(including v	oluntary certification)
Move to Component 4	<i>y</i>			, 3	<i>y y</i>
more to component i					
Cluster 1 - Consult	X				
	X				
Cluster 1 - Consult	X				
Cluster 1 - Consult Carry out conservation to promote	X	X			
Cluster 1 - Consult Carry out conservation to promote pollinator-friendly policies	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and	X	X			
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme Educate and propose to policy makers					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recommendation and propose to policy makers pollinator friendly practices					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme  Educate and propose to policy makers pollinator friendly practices  Encourage promotion of pollinator-					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recommendation and propose to policy makers pollinator friendly practices					
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme Educate and propose to policy makers pollinator friendly practices  Encourage promotion of pollinator-friendly policies	nd				
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme Educate and propose to policy makers pollinator friendly practices  Encourage promotion of pollinator-friendly policies  2.7 Conduct field days on demonstration	nd				
Cluster 1 - Consult  Carry out conservation to promote pollinator-friendly policies  Cluster 2 - Scope  Policies which promote best practices and incentives  Propose incentives for farmers having pollinator-friendly agriculture  Standardized organic farming  Promote nesting places for pollinators  Project successes at all levels  Promote use of bee-keeping for pollination of crops  Promote habitat management practices to enhance pollinators  Cluster 3 - Review and dissemination  Review (local and global) and recomme Educate and propose to policy makers pollinator friendly practices  Encourage promotion of pollinator-friendly policies	nd				

Facilitate stakeholders interaction on demo sites					
Arrange visits of stakeholders and partners					
Conduct field days on farmer fields and demo sites					
In-service training of extension agents on demo sites					
Demo sites must be accessible					
2.8 Disseminate information on best m	anageme	nt practice	es and succes	SS	
Cluster 1 – Scope	X				
Case study					
Cluster 2 – Disseminate		X			
Production of tools such as video documentation					
Identify demo tools for the promotion of BMP					
Disseminate success stories to print electronically					
Electronic and printed material of succe	sses				
Environmental greening/Learning centres/pollination clubs					

#### COMPONENT 3 – CAPACITY BUILDING

	Potenti	al Impact	Needed (y/n)	Weight (%)	Notes
	Local	Global	(V · )	(* - )	
3.1 Carry on-going needs assessment	t				
Cluster 1 - Needs assessed					
Carry out need assessment at all levels					
Prioritize needs assessments					
Document needs of farmers and other stakeholders					
Assess KAP gap					
Evaluate education needs in schools PISITcollege, extension, taxonomic and para-taxonomic					
Cluster 2 ????? - Testing					
Pre-test materials					
3.2 Review existing material					
Cluster 1 – Review needs					
Review need periodically					
Global review/inventory of secondary, tertiary, extensionists material					
			_	-	
3.3 Adapt existing material		1 1			
Cluster 1 – Testing					

Pre-test materials					
Cluster 2 –					
Adapt existing material					
List existing CB materials					
See if material suit needs					
Adopt best published materials and					
distribute them					
Utilize existing material for CB					
Make applicable to user					
Make use of existing material					
Revise know-how with IK base					
Revise know-now with IX base					
2 / Doubles to initiate and of the forest	4 . 1! 4 .	(:			
3.4 Develop training material for targ	get clients	(institutio	nai: collecti	ons jor musei	ims, equipment for
trainers, libraries)					
Cluster 1 – Develop material					
Develop training modules for					
teachers, students, NGOs and other					
stakeholders					
Develop training materials for					
clients					
Student/student club modules,					
training materials					
Teacher training modules and					
materials					
Assess and develop training material					
needs of target groups					
Develop training aids					
Pictorial identification kits					
Develop training materials and tools					
for public					
3.5 Provide training e.g. Farmer Fie			armers, exte	nsionists, pol	icy makers, formal training
schools and universities, NGOs, jour	nalists, ex	change)			
Cluster 1 – Training courses					
Taxonomy courses					
Support in MS PhD research					
Para-taxonomy/basic taxonomy					
training for farmers and extension					
agents (e.g. African Bee Course)					
Taxonomic training for technicians					
and high-level man power					
(universities)					
Plan and organise short-term courses					
for farmers					
Provide targeted training for specific					
stakeholders					
Suitable study outline for basic to					
higher level education					
Crop ecology (season based)					<u> </u>
Plan various training strategies for					
target people					
Train extensionists and students on					
identification of pollinators					
racharication of polimators					

Train extensionists on pollination serv	rice and po	ollinator m	anagement	
Train undergraduate and graduate				
students on pollination service and				
pollinator management				
Facilitate stakeholders knowledge				
base through training and exposure				
Strengthen local capacity				
Short course for farmers/workshop				
and seminars				
Emphasis on insect ecology				
Organize refresher courses for				
teachers on pollinators				
Cluster 2 – Participatory training				
Adopt participatory training				
techniques				
Make training programme for				
practical and valuable				
Stakeholders interaction at training				
site (field days)				
Carry out training at community and				
other levels				
3.6 Make materials available and adv	ertise tra	ining	1	
Cluster 1 - Advertise training				
Carry out campaigns for training by				
using advertisement tools				
Make training material available for				
audiences free of cost				
Publicise training materials and				
training programmes				
3.7 Evaluate training outcome		1		
Cluster 1 – Evaluation				
Evaluate training outputs based on				
application of training expectations				
Test training results on farmer fields				
Assess knowledge gained				
Monitor knowledge practices				
Evaluate effectiveness of training				
Cluster 2 – Other means of				
capacity building				
Field days				

## COMPONENT 4 – SHARING OF EXPERIENCES AND DISSEMINATION OF INFORMATION, AWARENESS AND POLICY ("MainstreamIng")

	Potenti	Potential Impact		Weight (%)	Notes
	Local	Global			
4.1 Awareness					
Cluster 1 - Strategy	X	X			
Develop means of involving the public in the process (i.,e reports to the public on demonstration sites					

Develop <i>positive</i> message of					
pollination services – with global,					
regional and national dissemination					
Strategy for public awareness per					
target group					
Design methods to evaluate					
effectiveness of campaigns					
Check for effectiveness of awareness					
raising strategies					
Develop effective public awareness					
campaign					
Cluster 2 – Surveys	X				
Agree on updating of survey plans	A.				
Carry out product surveys on the					
awareness level in the largest areas					
Evaluate farmer understanding of economic benefits to themselves and					
community					
	notion			1	1
Evaluate public understanding of polli Monitor and record awareness on	nation		1		1
timescale	1		1		
Evaluate para-taxonomic					
improvement at local level (farmer					
extension officers)	-		1		
Cluster 3 – Developing Tools	X	X			
Interest media people in pollination					
issues					
Use of car stickers, billboards,					
posters and postcards			1		
Animation films					
E-groups, e-newsletter					
Farmers fair – pollinator focus					
Travelling picture shows					
Floral calendar					
	1100	1	1	1	1
Develop awareness materials for local	usc	1	1	1	
List current awareness raising					
strategies by radio, TV, mobile vans,					
Arbor days, quiz programmes, youth					
groups, community groups			+	1	
Review current awareness training					
materials			+		
Documentation of Information					
Communication Technology					
strategies		1/	-		
Cluster 4 – Promotion	X	1/2			
Promote awareness of extentionists					
Promote awareness of farmers and					
bee-keepers	<u> </u>		<u> </u>	<u> </u>	
Promote awareness of					
conservationists			<u> </u>	<u> </u>	
Include pollinators activity into					
conservation clubs					
Include pollinators activity into					
conservation campaigns					
Participatory record-keeping (floral ca	lendar)	•	•	•	
, , , , , , , , , , , , , , , , , , , ,	,				
4.2 Policy Development,			1		
Policy Dissemination,					

Policy Implementation					
Cluster 1 – Sensitizing	X	X			
Sensitizing policy makers/planning	Λ	Λ			
Educate and propose to policy					
makers pollinator friendly practices					
Assist law makers to develop					
enabling environment for					
pollinator/pollination promotion					
Cluster 2 – Tools	X	X			
Develop and implement voluntary	Λ	Α			
measures (e.g. certification					
mechanisms, codes of conduct)					
Carry out consultations to promote					
pollinator friendly policies					
Propose incentives for farmers having	nollinator	friendly agri	culture	I .	1
Standardize organic farming	Cimiutol				
Implement economic instruments					
(fiscal, credit, etc)					
Develop and propose/negotiate					
policy instruments					
Develop conservation strategies for					
pollinators					
Cluster 3 – Target subjects	X	X			
Promote nesting places for	Α	Λ			
pollinators					
Promote reduction of pesticide use to					
enhance pollinators					
Promote use of bee-keeping for					
pollination of crops					
Promote habitat management					
practices to enhance pollinators					
Promote multi-cropping and inter-					
lines/hedgerow and no-till, to					
enhance pollinators					
Promote restoration of threatened					
pollinators					
Promote alternate food sources for pol	linators	•	•	•	
Enabling policies at landscape level					
Promote forest islands					
Community forestry					
Cluster 4 – Analysis	X	X			
Review (local and global) existing and	1		l .	<u> </u>	
Revision of pollinator conservation	1 ccomme	liu 			
aspects incorporated into policies					
under review					
under review					
Miscellaneous					
Encourage promotion of pollinator-					
friendly policies					
Formulate pollination-friendly					
policies					
Policies which promote best					
practices and incentives					
4.3 Sharing					

Cluster 1 – Strategy	X	X		
Identify relevant materials				
Identify target stakeholders (farmers				
associations and groups;				
extentionists; NGOs; policy makers;				
teachers; researchers; media; general public)				
Assessment and dissemination of				
experiences and project results				
Produce in pictures and local				
languages				
Publication strategy				
Cluster 2- Dissemination tools	X	X		
Disseminate information by IT				
Cluster 3 – Exchange	X	X		
Enhance bringing foreign experience to participating countries				
Enhance sharing of local experiences				
to other regions and countries				
Strengthening existing network				
sustainable agriculture focus on				
pollinators				
Exchange programmes between				
demo sites				

# $\mathbf{AGREED}$ CRITERIA FOR SELECTION OF DEMONSTRATION SITES agreed at the $2^{\text{ND}}$ meeting of the ISC

#### **SELECTION CRITERIA**

- Crops<sup>1</sup> important for food security and/or livelihoods
- Pollination problem identified
- Community co-operation
- Community organization
- Partner capacity
- Access to the sites during pollination season
- Willingness of site owners/community to agree that the site will be available during project duration, and with the same conditions throughout the project period

#### **DESIRABLE CRITERIA**

- Availability or proximity of experimental stations
- Knowledge of farmers of pollinator issues/management
- Market opportunities
- Traditional knowledge
- Conservation initiatives
- Expertise available near on-site
- Available facilities
- Co-funding availability
- Sites can be reached with reasonable ease
- Plant/pollinator specificity identified
- Political and social stability
- Availability of alternate foraging/nesting sites in the vicinity of demonstration sites
- Vicinity of natural areas
- Innovative Farmers community
- Adequate size for demonstration/experimentation site

#### **MATRIX**

- Diversity of crops and crop systems
- Diversity of ecological zones
- Socio-cultural diversity
- Diversity of pollinators
- Intensity of cultivation
- Intensity of use of external agricultural inputs
- Landscape whether the site is near protected area, or large cultivated zone, etc
- Comparison elements
- Control sites

<sup>&</sup>lt;sup>1</sup> "Crops" includes horticultural, field, orchard, cultivated fruit and tree crops

#### EP/GLO/301/GEF

# CONSERVATION AND MANAGEMENT OF POLLINATORS FOR SUSTAINABLE AGRICULTURE, THROUGH AND ECOSYSTEM APPROACH

#### - Development of Co-Funding Strategy -

The following document proposes a series of steps that can be taken by each participating country and FAO, to develop and implement a co-funding strategy at the national and global levels, which is crucial in the preparation of the Full-size Project (FSP).

There are two points of entry, for this process:

- i. Who is *already* active in the area (information available through baseline information collection already undertaken)
- ii. Who could be interested in becoming active

The co-funding strategy calls for a structured approach in *compiling information on*, and *documenting* potential donors.

- 1. Identify on-going activities related to the four main components of the FSP:
  - a. Development of a knowledge base
  - b. Extension and promotion of pollinator-friendly best management practices
  - c. Capacity building and awareness raising
  - d. Sharing of experiences and dissemination of results
- 2. Identify who is undertaking these activities.
- 3. Identify who these activities are being funded by, and "cross-reference" the specific activities with the donor (i.e. identify what donors are funding which activity).

(Activities 1-3 include organizing the information that was collected during the stock-taking process).

- 4. Identify what activities could be linked to/build upon/have relevance for, the Full-size Project.
- 5. Make a list of potential donor categories, and identify their priorities for funding:
  - (i) thematic areas
  - (ii) geographical areas

#### Donor type

- a. multi-lateral
  - i. international agencies
  - ii. international banks
- b. bi-lateral
  - i. governments
  - ii. embassies
- c. foundations
- d. conservation groups
- e. private sector
- 6. Research specific types of funding procedures for each identified donor.
- 7. Compile and organize the information collected, into the table format provided in this document.

Inputs on the co-funding strategy should be delivered to FAO by the week of 31 January 2005.

#### EXAMPLE OF CO-FUNDING IDENTIFICATION TABLE

#### **Table of Potential Donors**

	Multi-lateral	Bi-lateral	Foundations	Conservation Groups	NGOs
FSP Activity					
Development					
of a					
knowledge					
base					
Extension					
and					
promotion of					
pollinator-					
friendly best					
management					
practices					
Capacity					
building and					
awareness					
raising					
Sharing of					
experiences					
and					
dissemination					
of results					

#### EXAMPLE OF CO-FUNDING IDENTIFICATION TABLE - STEP #2

### **DONOR – (one for each donor type)**

	Priority (geographic)	Priority (thematic)	On-going activities
Donor			
name			

## Annex 6 "To Do List"

II. Stocktaking activity: Current Status

	atus							
	1st					, ,	2nd	global IT
	workshop		_	baseline	_	enabling	workshop	study
	(stakeholder			data (e.g.		environment	(partners	
	s)	aking		literature	and	(e.g. policy,		
			to be	reviews,	traditional	legislation -		
			applied	national	_	including		
			during FSP,	initiatives,	(national	where		
			taking into	existing	and	applicable		
			consideratio		international	trends)		
			n country	other	level)	(national		
			specificities	information		and		
				networks)		international		
						level)		
Brazil	Х							
Ghana	Х	Х		Х	х		Х	х
Kenya	Х	Х		Х	Х		Х	х
South Africa	Х	Х		Х	Х		Х	
India	Х	Х		Х	х		Х	
Nepal	Х							
global		Х		Х	Х			Х
(Prepare								
global study								
papers and								
global								
workshops,								
on a needs								
basis -)								
	1							

II. Stocktaking activity: Priority attention

	1st workshop (stakeholder s)	draft	methodologi es for	baseline data (e.g. literature reviews, national initiatives, existing	t practices and traditional knowledge (national and international	enabling environment (e.g. policy, legislation – including where applicable trends)	workshop (partners	global IT study
Brazil	X							
Ghana	Х	Х		X	Х		X	
Kenya	Х	Х		X	Х		Х	
South Africa	Х	Х		X	Х		Х	
India	X	Х	<u>-</u>	X	X		X	
Nepal	X							

global	Х	х	Х		X
(Prepare					
global study					
papers and					
global					
workshops,					
on a needs					
basis -)					

IV. Capacity Building and Awareness Raising: Current status

	Undert	Identify on-	Design	Identify	Undertake	Design	Developmen	Undertake	Undertake	Establish li
	ake	going/past	preliminary	target	capacity-	capacity-	t of project	study on	study on	server (
	needs	awareness	awareness	groups (at	building	building	website	how to best	cost	necessar
	assess	raising	strategy (at	national and	needs	strategy		outreach to	effective	
	ment	activities	national and	international	assessment	(including		people	method(s)	
	(at	and existing	international	levels)	for target	materials		(including	for	
	nation	materials by	levels)		groups, and	and other		those	information	
	al and	communicati			existin	needs) (at		without	disseminatio	
	interna	ons experts,			materials/to	national and		access to	n	
	tional	for the			ols (at	international		electronic		
	levels)	appropriate			national and	levels)		information		
	includi	target			international			tools)		
	ng	groups (at			levels)					
	identifi	national and								
	cation	international								
	of	levels)								
	target									
	aware									
	ness									
	raising									
	groups									
Brazil										

Ghana	Х		х				
Kenya	Х		X				
South Africa							
India							
Nepal							
global (Prepare global study papers and global workshops, on a needs basis -)					x		

IV. Capacity Building and Awareness Raising: Priority attention

accention										
	Undert	Identify on-	Design	Identify	Undertake	Design	Developmen	Undertake	Undertake	Establish li
	ake	going/past	preliminary	target	capacity-	capacity-	t of project	study on	study on	server (
	needs	awareness	awareness	groups (at	building	building	website	how to best	cost	necessar
	assess	raising		national and	needs	strategy		outreach to	effective	
	ment	activities			assessment			people	method(s)	
	(at	and existing	international	levels)	for target	materials		(including	for	
	nation	materials by	levels)		groups, and	and other		those	information	
	al and	communicati			existin	, ,		without	disseminatio	
	interna	ons experts,			materials/to			access to	n	
	tional					international		electronic		
	levels)	appropriate			national and	levels)		information		
	includi	target			international			tools)		
	ng	groups (at			levels)					
	identifi									
	cation									
	of	levels)								
	target									
	aware									
	ness									
	raising									
	groups									
Brazil										
Ghana				Х						
Kenya				X						
South Africa										
India										
Nepal										



V. Development of Implementation Strategies for the Full-size Project and Mobilisation of Co-financing

	Identify stakeholders	Prepare plan for partner participation
Brazil	Х	
Ghana	х	
Kenya	Х	
South Africa	Х	
India	Х	
Nepal	Х	
Global		

VI. Formulate the implementation process and design of the M & E component for the FSP including agreement on indicators to be measured for baseline establishment

	Agree on set	Project	Agreement
	of activities,	progress	upon
	emphasis in	refinement	Monitoring
	each	and	and
	country,	finalization	Evaluation
	level	of baseline	Plan
		indicators	
		(based on	
		new	
		guideline for	
		GEF) for	
		each output	
Brazil			
Ghana			
Kenya			
South Africa			
India			
Nepal			
Global			_

Strategies for the Fullsize Project and Mobilisation of Cofinancing

Initialiting		
	Identify	
	stakeholders	for partner
		participation
Brazil	Х	
Ghana	Х	
Kenya	Х	
South Africa	Х	
India	Х	
Nepal	Х	
Global		

VI. Formulate the implementation process and design of the M & E component for the FSP including agreement on indicators to be measured for baseline establishment

Agree on set	Project	Agreement
of activities,	progress	upon
emphasis in	refinement	Monitoring
each	and	and
country,	finalization	Evaluation
level	of baseline	Plan
	indicators	
	(based on	
	new	
	guideline for	
	GEF) for	
	each output	
	of activities, emphasis in each country,	of activities, emphasis in each country, level l

To-Do list (Global):		deadline
	was was rise / wakin walion and of a ski siking	20 Dec
1	reorganise/rationalise set of activities	20-Dec
2	coordinate approach to assessment methodologies( both biological and economic)	ТВА
		TDA
3	coordinate preliminary analysis of enabling environment	ТВА
		TDA
4	coordinate capacity building and public awarenessstrategy	ТВА

5	develop matrix of demonstration sites, review diversity of sites and systems	first- 15Jan; 2nd-20 Feb
6	compile baseline scenarios and costs	first-10 Feb; 2nd 28 Feb
7	compile incremental cost estimates by activity	first 10 March; second 20 March
8	compile partner participation and project implementation plans	15-Mar
9	first draft proposal	30-Mar
10	develop indicators and M&E plan	next ISC meeting
11	flyer for cofunding	15-Jan
12	global cofund map	20-Jan
13	global cofund strategy	30-Jan
14	review stocktaking for gaps	first 22 Dec, second 15 Jan
15	develop provisionional indicators	15-Apr

16	report to GEF, copy to partners	first Jan; second July
17	remind everyone of deadlines; ISC communication	regularly
18	coordinate cross-country cooperation demands and opportunities	36570

deadline		To-Do
acaaiiiic		list:
Dec. 23	respond to Arthur Chapman on IT needs, attachment + new questions	1
actual: as by LOA/rea lity: Jan 31	complete stocktaking- with particular attention to literature review and enabling environment	2
	work with global coordinator on assessment methodologies( both biological and economic)	3
ТВА	work with global coordinator on preliminary analysis of enabling environment	4
Feb-04	hold second national workshop (partners) if not yet held	5
10-Jan	complete capacity building and public awareness needs assessment	6

	work with global coordinator on cohesive strategy development for capacity building and awareness raising	ТВА
8	Agree on set of activities, emphasis in each country, level	15-Jan
9	develop provisional list of demonstration sites, priority cropping systems	15-Feb
10	finalise baseline scenarios and costs by activity	31-Jan
11	develop incremental cost estimates by activity	28-Feb
12	develop partner participation plans and project implementation plan	28-Feb
13	develop indicators and M&E plan	next ISC meeting
14	co-funding map	31-Jan
15	co-funding strategy	20-Feb
16	co-funding confirmed/secured	night before submissi on
17	country endorsement	check country procedur es

demands and opportunities for cooperation with other partner countries identified