

DARWIN INITIATIVE PROJECT SCHEDULE ref:162/08/038

Organisation name : Royal Botanic Gardens, Kew

Name of project : Conservation of plant diversity in Western Cameroon

Project purpose : To assess plant diversity in Western Cameroon and to establish the National Herbarium of Cameroon as the national centre for plant diversity assessment.

Project objectives : to develop further the National Herbarium of Cameroon at Yaounde as the national centre for plant diversity assessment by full involvement with the “W Cam” project and to foster communication with the three protected area conservation projects; to compile a taxonomically up to date checklist of species in W. Cameroon; to generate 3 individual “protected area” checklists; to use information from the checklists to enhance conservation by identifying, locating and mapping conservation priority species, advising conservation bodies on management of priority species, proposing key areas for conservation and producing conservation posters.

Length of project : November 1999 for three years

Total project cost : £250,933

Darwin funding profile : 1999/2000 £31,383; 2000/2001 £42,166; 2001/2002 £37,798; 2002/2003 £10,600 (= total of £121,947)

Other sources of funding : RBG Kew will contribute £100,986 for salaries and Earthwatch Europe £28,000 for field costs.

Expenditure profile : see Table A

Target outputs : see Table B

Implementation timetable with milestones : see Table C

Key staff inputs : see Table D

Reporting requirements : 30 April 2000	Annual report (1.11.1999 to 31.3.2000)
31 October 2000	Six month report (1.4.2000 to 30.9.2000)
30 April 2001	Annual report (1.4.2000 to 31.3.2001)
31 October 2001	Six month report (1.4.2001 to 30.9.2001)
30 April 2002	Annual report (1.4.2001 to 31.3.2002)
31 October 2002	Six month report (1.4.2002 to 30.9.2002)
30 April 2003	Annual report (1.4.2002 to 31.3.2003)
30 June 2003	Final report.

Arrangements for monitoring trainee outcomes : Field trainees (Cameroonian counterpart project field employees from Kilum-Ijim projects, Kupe-Bakossi project and Korup N.P.) will be given a three-part test at the end of each field period, each year, in the core subjects for which training will be given.

1. The first part will consist of a test in collecting plant specimens, using ten specimens.
2. The second part will consist of a test in plant identification using ten specimens.
3. The third part will consist of a specimen data-basing exercise.

National Herbarium GIS trainees will be monitored in the course of follow-up work, post Darwin Project, by RBG, Kew in Cameroon.

National Herbarium staff trained in writing scientific papers in the course of this project through co-authorship will be monitored as to future progress in the writing of our papers by our offer to review their papers prior to formal submission.

Table A

PROJECT COST					
Total Darwin Grant : £121,947					
Annual Darwin Grant					
☞	1999/2000	£31,383			
☞	2000/2001	£42,166			
☞	2001/2002	£37,798			
☞	2002/2003	£10,600			
DARWIN GRANT : EXPENDITURE DETAILS					
Expenditure details	1999/2000	2000/01	2001/02	2002/03	Total
Rents, rates, heating, lighting, cleaning					
Postage, telephone, stationery					
Travel, subsistence					
Printing					
Conferences, seminars, training					
Capital items : [computing] computer printer software					
Other: monitoring					
Salaries: SO ASO					

Table B

PROJECT OUTPUTS		
Year	Output ref. no.	Details
1999/2000	7	Posters on plant diversity conservation for projects and national/international meetings (by Apr. 00).
	8	8 weeks in Cameroon by RBG, Kew staff (by March 00).
	11A	4 papers to be submitted (by end March 00).
	13B	National Herbarium enhanced. Specimens handed over and cibachromes of selected type specimens (by March 00).
	15A	National press release in Cameroon (by Jan. 00).
	19A	National radio interview in Cameroon (by Jan. 00).
2000/2001	8	8 weeks in Cameroon by RBG, Kew staff (by March 01).
	11A	4 papers to be submitted (by end March 01).
	13B	National Herbarium enhanced. Specimens handed over (by March 01).
	14B	Progress/results reported at AETFAT Congress in Sept. 2000.
	15A	National press release in Cameroon (by Jan. 01) (& publ. in proceedings).
	19A	National radio feature in Cameroon (by Jan. 01).
2001/2002	11A	4 papers to be submitted (by end March 02).
	11B	4 papers to be published (by end March 02).
2002/2003	6A/B	2 Cameroonian botanists to receive 2 weeks mapping training at Kew (by Aug. 02).
	8	8 weeks in Cameroon by RBG, Kew staff (by March 03).
	10	3 protected area checklists (Oku, Kupe-Bakossi, Korup), 1 regional checklist.
	11B	4 papers to be published (by end March 03).
	11B	4 papers to be published (by end of Dec. 03).
	12A	3 local project data-bases (Oku, Korup, Kupe-Bakossi to be handed over) as subset of regional data-base, to be handed over (by Dec. 03).
	13A	3 local reference collections of 500 unmounted specimens with labels to be established and handed over (by Dec. 2003)
	13B	National Herbarium to be enhanced - specimens handed over (by Dec. 2003).
	14A	Workshop organized to train 10 conservation project people over one week.

	15A	National press release in Cameroon (by Dec. 03).
	19A	National radio feature in Cameroon (by Dec. 03)
	20	£5,800 GIS computer hardware and software handed over to National Herbarium representatives (by July 2002).
	23	Over 3 years, £28,000 from Earthwatch for fieldwork committed; possible cost from local projects for publication of local checklists; £100,986 in RBG, Kew core-staff time.

Table C

PROJECT IMPLEMENTATION TIMETABLE	
Date	Key milestones
1999/2000	
Nov. 99	Start expedition with National Herbarium and Earthwatch fellows to under collected areas
Dec. 99	Complete expedition with National Herbarium and Earthwatch fellows to under collected areas
Jan. 00	Start databasing the estimated 9,000 historical collections from the region.
Jan. 00	Start drafting scientific papers; co-authorship with staff from HNC as appropriate.
Mar. 00	Produce base-line maps of vegetation, elevation, climate and collection densities
Jan. 00	Start specimen identification and databasing of new specimens
Mar. 00	Carry out scientific audit
2000/2001	
Oct. 99	Start second expedition with National Herbarium and Earthwatch fellows to under-collected areas.
Dec. 99	Complete expedition with N.H. and E.W. fellows to under-collected areas.
Nov. 01	Complete databasing of historical collections at Kew and The Natural History Museum
Feb. 00	Start conservation priority species accounts for checklists at Kew
Jan. 00	Start descriptions of species new to science
Mar. 01	Carry out scientific audit
2001/2002	
Apr. 02	Carry out third expedition with the National Herbarium. To investigate populations of species identified as rare or endangered.
May 02	Expedition completed

Aug. 02	Specimen identifications and conservation priority species accounts with botanists from Cameroon completed in Kew
Aug. 02	GIS mapping instruction for 2 Cameroonian botanists completed at Kew
Aug. 02	Maps produced from final database
Sept. 02	Workshop held in Cameroon for 10 conservation project workers for one week to look at specimen/data collection and to sum up, present work and to discuss future work.
Mar. 03	Carry out scientific audit
2002/2003	
Dec. 03	Regional checklist prepared
Dec. 03	3 local protected area checklists prepared
Dec. 03	Descriptions of species new to science completed, co-authored as appropriate.

Table D

KEY STAFF INPUTS				
Name	Grade/Position			
Martin Cheek	Project leader (SSO, RBG, Kew)			
SO/HSO [to be appointed]	Project Officer - to work on naming, checklist accounts and fieldwork (DI app. at RBG, Kew)			
Mackinder	Support Officer - supervising databasing and legume accounts (HSO, RBG, Kew)			
Moat	Support Officer - GIS (SO, RBG, Kew)			
ASO [to be appointed]	Support Officer - Databasing and logistical support (DI app. at RBG, Kew)			
MAIN CAMEROONIAN COLLABORATORS:				
Gaston Achoundong	Leader of the National Herbarium component - Violaceae specialist			
Jean-Michel Onana	Senior researcher of the National Herbarium - Burseraceae specialist			
John De Marco	Co-manager of the Kilum-Ijîm Projects (Mt Oku)			
Romanus Abwe	Leader of Kilum-Ijîm Field Biologists			
Gerrit Vossebelt	Manager of the Mt Kupe-Bakossi Project			
Martin Etuge	Chief plant collector Mt Kupe-Bakossi Project			
Patrick Kembou	Manager of the Korup National Park			
David Okon	Head Field Biologist of the Korup N.P.			
STAFF TIME ALLOCATIONS (% of time spent on this work)				
Name	1999/2000	2000/2001	2001/2002	2002/2003
Martin Cheek	25	25	25	25
SO/HSO [full-time, to be appointed]	50	100	100	---
Mackinder	25	---	25	---
Moat	25	---	---	25
ASO [part-time, to be appointed]	50	100	50	---
Gaston Achoundong	10	10	---	10
Jean-Michel Onana	20	20	---	25
John De Marco	5	5	---	---
Romanus Abwe	10	10	---	5
Gerrit Vossebelt	5	5	---	---
Martin Etuge	20	25	---	25
Patrick Kembou	---	5	---	---
David Okon	---	15	---	5