



Submit by 5 January 2007

DARWIN INITIATIVE APPLICATION FOR GRANT ROUND 15 COMPETITION: STAGE 2

Please read the Guidance Notes before completing this form. Applications will be considered on the basis of information submitted on this form and you should give a full answer to **each** question. Please do not cross-refer to information in separate documents except where invited on this form. The space provided indicates the level of detail required. Please do not reduce the font size below 11pt or alter the paragraph spacing. Keep within word limits.

1. Name and address of organisation (NB: Notification of results will be by post)

Name:	Address:	
Department of Plant Sciences, University of Oxford	South Parks Road, Oxford OX1 3RB	

2. Project title (not exceeding 10 words)

CONSERVATION OF THE CERRADOS OF EASTERN BOLIVIA

3. Project dates, duration and total Darwin Initiative Grant requested

Proposed start da	ate: 01-05-2007	Duration of	project:	3 years	End date: 30-04-2010
Darwin funding requested	2007/08	2008/09	2009/10	2010/11	Total
	£74,850	£81,680	£99,442	£9433	£265,405

It would be possible (but not very desirable) to start work on 1/9/2007 but maintaining the same end dates. 4. Define the purpose of the project (extracted from logframe)

The identification of conservation priorities within the cerrado formations of the Chiquitano regions of Eastern Bolivia

5. Principals in project. Please provide a one page CV for each of these named individuals

Details	Project Leader 1	Project Leader 2	Other UK personnel	Main project partner and co- ordinator in host country
Surname	Scotland	Hughes	Wood	Saldias
Forename	Robert W.	Colin E.	John R.I.	Mario
Post held	Reader in	Royal Society	Research Worker	Director of Herbarium (USZ)
	Systematic Botany	Fellow		
Institution	University of	University of	University of	Museo de Historia Natural
	Oxford	Oxford	Oxford	"Noel Kempff Mercado",
				Santa Cruz, Bolivia
Department	Plant Sciences	Plant Sciences	Plant Sciences	Botánica

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6. Has your organisation received funding under the Darwin Initiative before? If so, give details

Reference No	Project Leader	Title
161/11/010	Dr R. W. Scotland	Plant Endemism in the Central Andean Valleys of Bolivia
14-004	Dr N. Brown	A biodiversity monitoring system for Trinidad & Tobago
15-023	Dr S. Harris	Conservation of endangered coastal biodiversity hotspots of Central Chile

7. IF YOU ANSWERED NO TO QUESTION 6 describe briefly the aims, activities and achievements of your organisation. (Large institutions please note that this should describe your unit or department)

		<u></u>
Aims (50 words)		
N/A		
Activities (50 words)		
N/A		
Achievements (50 words)		
N/A		

8. Please list the UK/collaborative (where there are partners <u>in addition</u> to the applicant organisation) and host country partners that will be involved, and explain their roles and responsibilities in the project. Describe the extent of their involvement at all stages, including project development. This section should illustrate the capacity of host country partners to be involved in the project. Please provide written evidence of partnerships. (letters attached)

Partner	Details (including roles and responsibilities and capacity to engage with the project):
Museo de Historia Natural "Noel Kempff Mercado", Universidad Autónoma "Gabriel René Moreno" Santa Cruz, Bolivia (MNKM) www.museonoelkempff.org	Our principal partner, which is the main scientific institution working with biodiversity in Eastern Bolivia, is a dependency of a public (state) university. It depends on public funding which is frequently subject to severe constraint. MNKM has been involved with the planning of the project from the beginning, coordinating links with partners and stakeholders in Bolivia, negotiating objectives and priorities with them. MNKM has a successful track record of working in collaborative biodiversity research in Eastern Bolivia over the past 20 years with positive outcomes in terms of conservation in a range of projects. MNKM will have prime responsibility for organising project activities in Bolivia and providing staff to implement the project. It will be the main beneficiary in terms of project training inputs. It will be the point of contact for all project activities in Bolivia.

PartnerDetails (including roles and responsibilities and capacity to engage with the project):Fundación para la Conservación delFCBC is our second key partner. It was set up in 1999 by a consortium of environmental agencies and donor organisations to support biodiversity conservation in the Chiquitania region of Eastern Bolivia, which includes most of the cerrado areas that are the focus of project activities. It is relatively well- funded and has a successful track record in establishing protected areas and negotiating with local communities and their leaders. It has a wide network of contacts through the region and a number of local conservation agreements. FCBC was involved in project planning from very early stages and has made many valuable contributions both in identifying priorities for the project and in suggesting ways in which the project can be developed. It will continue to be the third principal partner with MNKM and Oxford in planning and implementing the project. It will play a vital role in developing our links with local communities, regional authorities and in turning project recommendations into successful conservation outcomes.		
Fundación para la Conservación del Bosque Chiquitano (FCBC) www.fcbcinfo.org FCBC is our second key partner. It was set up in 1999 by a consortium of environmental agencies and donor organisations to support biodiversity conservation in the Chiquitania region of Eastern Bolivia, which includes most of the cerrado areas that are the focus of project activities. It is relatively well- funded and has a successful track record in establishing protected areas and negotiating with local communities and their leaders. It has a wide network of contacts through the region and a number of local conservation agreements. FCBC was involved in project planning from very early stages and has made many valuable contributions both in identifying priorities for the project and in suggesting ways in which the project can be developed. It will continue to be the third principal partner with MNKM and Oxford in planning and implementing the project. It will play a vital role in developing our links with local communities, regional authorities and in turning project recommendations into successful conservation outcomes.	Partner	Details (including roles and responsibilities and capacity to engage with the project):
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Partner		Details (including roles and responsibilities and capacity to engage with the project):
Universidade de (UB)	Brasília	UB is one of the most important universities sited in the cerrado areas of Brazil and has just completed a major investigation into the cerrado vegetation of Brazil. It was invited to join the project later in 2006. The participation of UB will make available their experience in Brazil to the project and help foster regional biodiversity capacity and interpretation. This will strengthen our project planning and make available individual experts to strengthen our training programme throughout the life of the project. This international link within Latin America is an important new dimension for our Bolivian partners in this kind of project.

Informal Partner	Details (including roles and responsibilities and capacity to engage with the project):
Herbario Nacional de Bolivia (HNB)	The HNB has offered its support to the project but will only have a limited role, participating principally in training activities both as recipient and facilitator. The HNB is also the national focus for the IUCN red data programme and will advise on the preparation of a Red data book for the threatened and endemic plants of the cerrados. All specimens collected during the project will also be deposited at the National Herbarium.

Informal Partner	Details (including roles and responsibilities and capacity to engage with
	the project):
Royal Botanic Gardens,	Both MNKM and Oxford have had contacts with RBGK over many years and
Kew (RBGK)	RBGK collaborated informally in our previous Darwin project (161/11/010)
	participating in field work and training both in the UK and Bolivia. Recently
	RBGK has secured funding to follow up this former Darwin project in Bolivia.
	We plan to continue this informal collaboration in planning, field work and,
	particularly, training. Specific members of Kew staff have been earmarked for
	this purpose.

9a. Have you consulted stakeholders not already mentioned above? If yes, please give details:

Yes

We have discussed the project with the British Embassy in La Paz who have issued a letter indicating their support.

We have approached the prefectura of Santa Cruz through FCBC to inform them of the proposed project to

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invite their general support. The prefectura has a Department related to Natural Resources and their support is likely to be useful in winning the support of local communities and their leaders. A letter of support has been promised but has not yet been received.

We have also discussed the project informally with the Dirección General de Biodiversidad (DGB), the national government agency responsible for biodiversity. They have requested us to consult leaders of indigenous communities within the project area (see below). Following presentation of the previous project's results we were assured by the DGB of support for future initiatives so we are optimistic that we will have the full support of the DGB – we received this in October for the follow-up of the previous Darwin project funded by Rio Tinto through RBGK.

9b. Do you intend to consult other stakeholders? If yes, please give details:

We intend to consult local communities and their leaders (mayors, dirigentes etc) individually as a first step after formal approval of the project. We plan to do this on an individual community basis using contacts of the FCBC and choosing those communities in whose land the project intends to work. We will also need to contact individual landowners and in one or two areas the National Parks authority (SERNAP). This process of consultation will be on-going throughout the project and is neither practical nor advisable before the project is approved given the size of the undertaking and our reluctance to raise hopes unnecessarily.

With the DGB and the prefectura as outlined above.

PROJECT DETAILS

10. Please provide a Concept note (Max 800 words) (repeat from Stage 1, with changes highlighted)

The cerrado vegetation of South America is one of the principal tropical savannah formations, occupying extensive areas of central Brazil and eastern Bolivia with an estimated flora of 6500-10,000 species, of which about 35% of the trees and 70% of the herbs are estimated to be endemic to the biome, making it one of the richest of the world's top 25 biodiversity hotspots. While the cerrados of Brazil have been the focus of considerable botanical research in recent years, the extensive areas in Bolivia remain neglected in terms of botanical inventory and data. There are many undescribed species, no checklist of Bolivian cerrado species, little data on species distribution and almost none on patterns of endemism or what species are endangered. Some areas are totally unexplored botanically including the mountain ranges around Santa Corazon, which aerial photos by the Fundación para la Conservación del Bosque Chiquitano (FCBC) have shown to be unusually diverse in habitat. The FCBC urgently needs specific information to provide a scientific basis to implement the vision set out in the inter-regional conservation document it drew up jointly with Nature Conservancy in 2005 to help Bolivia and neighbouring countries meet their commitments under the CBD.

In recent years the cerrados have come under intense pressure principally through soya cultivation in Brazil and cattle ranching in Bolivia. Observations by the FCBC and the Museo Noel Kempff Mercado (MNKM) have drawn attention to the ease and rapidity by which the cerrados are being grubbed up and sown with imported grasses resulting in the loss of the original vegetation and fauna. The FCBC is aware of a new threat caused by the lifting of restrictions on cattle movement after the elimination of Foot and Mouth disease which will permit the pasturing of Brazilian cattle in Bolivia. Only very few cerrados are currently within protected areas and effective conservation action within the next decade is likely to be critical, thus it is a matter of urgency to explore the region and identify the most important cerrados for conservation. Previous studies by the MNKM on the Serrania de Huanchaca in the extreme NE of the region suggest that hilltop mesetas are especially rich in endemics and still largely immune from grazing. The mesetas could play an important role in conservation planning and our project would ascertain how far they could fulfil this role. The FCBC is anxious for well-founded scientific data to help promote more sustainable grazing practices so traditional grazing can be combined with conservation.

The need for the project has grown out of the long-standing involvement of all parties in the cerrados and

Yes

their awareness of the need for information on specific threats to species and habitats to help the Bolivian government fulfil its commitments under the CBD. MNKM is the Bolivian institution with prime responsibility for biological research in eastern Bolivia and has conducted surveys and other projects in the region but, like all similar Bolivian institutions, lacks resources to carry out survey work of the kind proposed here. John Wood and colleagues have had a productive relationship with MNKM going back 12 years including collaboration in a successful recent Darwin project (161/11/010). The FCBC was set up as a consequence of threats to the biodiversity of the Chiquitano region after the construction of gas pipelines in the late-1990s and has been promoting conservation in the region since then. Three of the parties discussed the need for this project through meetings and correspondence in early 2006, pooling ideas and experience to prepare the proposal. At a later stage it was decided to invite the participation of the Universidade de Brasília (UB) to discuss integration of data, collaboration between the two herbaria and the sharing of expertise, given the biological integrity of the cerrados in Bolivia and Brazil, where UB is heading a similar cerrado biodiversity initiative at the present time.

All partners would be jointly involved in planning and implementation of the project. MNKM would have prime responsibility for the scientific programme, including field survey work, assembly and analysis of data, conservation assessments and liaison with the Bolivian government and institutions. The FCBC would be responsible for diffusion of project results and formulating conservation strategies in co-ordination with local communities and appropriate authorities. Oxford would be responsible for provision of training with inputs and advice on all project activities, which would include conservation planning and assessment through Rapid Botanical Surveys (William Hawthorne), data-basing through BRAHMS (Denis Filer), botanical illustration (Rosemary Wise), plant taxonomy and identification (Colin Hughes, John Wood). It is planned to supplement these inputs with additional experts from UK and Brazil and to make use of and further develop the taxonomic, illustration and photographic skills of Bolivians trained through the earlier Darwin project. We see the latter as an important additional step in consolidating the achievements of that project.

11a. Is this a new initiative or a development of existing work (funded through any source)? Please give details:

This is a new initiative.

11b. Are you aware of any other individuals/organisations/Darwin Initiative projects carrying out similar work?

If yes, please give details explaining similarities and differences, and explaining how your work will be additional to this work and what attempts have/will been made to co-operate with and learn lessons from such work for mutual benefits:

One of our partners, Universidade de Brasília has just completed similar work in Brazil, leading to the conservation of certain Brazilian cerrados and heightened Brazilian government interest in the conservation of the cerrados. We hope to benefit from their experience and from the considerable literature and expertise on cerrado vegetation in that country. No one is doing anything similar within Bolivia.

12. How does this project meet a clearly identifiable biodiversity need or priority defined by the host country? Please indicate how this work will fit in with National Biodiversity Strategies or Environmental Action Plans, if applicable.

Bolivia's National Biodiversity Plan was formulated some ten years ago and may well be updated by the present government. The project meets various of the priorities outlined in the current plan including:

- Conservation of national biodiversity
- Investigation of components of biodiversity
- Strengthening national capacity to study biodiversity
- Education in the value and importance of national biodiversity
- Promotion of planning for the sustainable use of biological resources
- Promotion of private and municipal protected areas, including those within areas of indigenous communities.

13a. How will the project assist the host country in its implementation of the Convention on Biological Diversity? Please rank the relevance of the project to the relevant article(s) of the CBD thematic programmes and/or cross-cutting themes by indicating percentages.

	%		%
Articles	Relevance	Themes	Relevance
5. Co-operation	100%	Access and Benefit Sharing	20%
6. General measures for Conservation and	100%	Agricultural Biodiversity	
Sustainable Use			
7. Identification and Monitoring	100%	Alien Species	
8. In-situ Conservation	100%	Biodiversity and Tourism	25%
8h. Alien Species		Biosafety	
8j. Traditional Knowledge	20%	Climate Change and Biodiversity	
9. Ex-situ Conservation		Economics, Trade and Incentives	
10. Sustainable use of components of	60%	Ecosystems approach	
Biological Diversity			
11. Incentive measures		Forest Biodiversity	10%
12. Research and Training	100%	Global Strategy for Plant	60%
		Conservation	
13. Public education and awareness	60%	Global Taxonomy Initiative	60%
14. Impact assessment and minimizing adverse	50%	Impact Assessment, Liability and	20%
impacts		Redress	
15. Access to genetic resources		Indicators	
16. Access to and transfer of technology	50%	Inland Waters Biodiversity	
17. Exchange of information	50%	Marine and Coastal Biodiversity	
18. Technical and scientific co-operation	100%	Mountain Biodiversity	30%
19. Handling of biotechnology and distribution		Protected Areas	50%
of its benefits			
20. Financial resources	50%	Public Education and Awareness	50%
21. Financial mechanism		Sustainable Use and Biodiversity	50%
22. Relationship with other international		Traditional Knowledge, Innovations	15%
conventions		and Practices	
23. Conference of the Parties			
24. Secretariat			
25. Subsidiary Body on Scientific, Technical			
and Technological advice			
26. Reports	20%		

13b. Is any liaison proposed with the CBD national focal point in the host country? Yes If yes, please give details:

We have already had initial discussions with the Dirección General de Biodiversidad which is a dependency of the Vice-Ministry for Biodiversity, Natural Resources and the Environment, which is the CBD focal point in Bolivia. We propose to maintain a regular liaison with the DGB and the responsible vice-ministry throughout the project's life delivering annual and final reports to them.

14. If relevant, please explain how the work will contribute to sustainable livelihoods in the host country. (Max 200 words)

The project should help in three ways:

1. In the first place the project will raise awareness of the impact of unsustainable management of the cerrados. By encouraging sustainable practices which protect wildlife, grasslands and water sources, the project will contribute to the long-term livelihood of communities and individual landowners who live in the cerrados.

2. The publicity generated by the project and its pictorial outputs will stimulate tourism to the region. This is a small but growing regional industry; highlighting the region's biodiversity can provide a new focus of interest for visitors through ecotourism.

3. The skills taught directly to project workers will increase their capacity to secure future employment.

15. What will be the impact of the work, and how will this be achieved? Please include details of how the results of the project will be disseminated and put into effect to achieve this impact. (max 200 words)

The project's impact will be achieved in several ways. It will significantly enhance the capacity of one of our partners (MNKM) to carry out biodiversity work through experience of a successful project cycle including training (scientific, technical and presentational) and improvement of their equipment and capacity. This will make MNKM better able to help Bolivia (especially in its eastern region) meet its biodiversity objectives. The project will assemble a large body of biodiversity data providing the basis for the identification of priority areas and threatened species in the cerrado region for conservation and plans to put its recommendations into effect through its partnership with FCBC, which has adequate funds, extensive local contacts and positive experience in establishing protected areas through negotiation at local level. Scientific results will be diffused through publications in peer-reviewed journals; the data base will be left behind for continued development and as a resource for future biodiversity work; conservation targets will be reached through negotiation at local level with publicity at national level through the press and contact with appropriate government agencies. Project personnel, individually and institutionally, have a well-developed network of connections within Bolivia to achieve publicity and enable the implementation of our recommendations.

16. How will the work leave a lasting legacy in the host country or region? (max 200 words)

The project will leave a lasting legacy in several ways. One will be the enthusiasm and skills of the four younger botanists and the artist who will be trained by the project. These people will significantly enhance Bolivia's capacity to meet its obligations under the CBD. They should continue with their research and be able to teach others. The project will leave behind a large data base and reference collection of plants. Both individuals and institutions should have developed a consciousness of the importance of taxonomy as a tool to support conservation of biodiversity. The project will provide a model for collaboration between a scientific research organisation (MNKM) and a conservation organisation (FCBC) as well as a model of international links (UK, Brazil, Bolivia) to advance conservation and research through collaboration. It will also be a model of collaboration in terms of involving local communities in the conservation and research process, helping them identify the long-term benefits that may come to them.

17. Please give details of a clear exit strategy and state what steps have been taken to identify and address potential problems in achieving impact and legacy. For example, what steps have been taken to ensure the benefits of the project will continue despite any staff changes in these organisations? (max 200 words)

None of our partner institutions depend on the project for their existence and no institutional problems are anticipated when the project ends. The project will select committed and motivated individuals jointly with our partners and training will be focussed on a small number as none of our partners currently has the capacity to employ new staff on a permanent basis. Based on past experience we anticipate that good project management and the training opportunities offered by the project will ensure that staff changes will be minimal. We hope to leave a small pool of people who can attract work until (eventually) they can secure permanent employment. It is unlikely that any of the recommended areas of conservation will be legally established by the end of the project as this process takes years. However, by collaborating with local communities and their leaders, we hope to establish an atmosphere in which conservation will be welcomed. Both our main partners should have the institutional strength and commitment to ensure that conservation recommendations are carried through long after the end of the project. A final workshop will focus on project design and fund-raising to facilitate follow-up at the end of the project.

18. How will the project be advertised as a Darwin project and in what ways will the Darwin name and logo be used? (max 100 words)

The Darwin name will be used in the title which will appear as "The Darwin Project for the Conservation of the Cerrados of Eastern Bolivia". This will appear in all documents, publications, press releases etc. The Darwin logo will also be used wherever possible and acknowledgement will be made to the Darwin Initiative in all publications derived in whole or in part from the project. A web site will be set up with the Darwin logo to give information about the project and publicise its results.

19. If your project includes training and development, please indicate a) who the trainees will be, b) the criteria for selection, c) what the level and content of training will be, d) how many people will be involved, e) which countries will they be from, f) how will you measure the effectiveness of the training, g) will those trained then be able to train others and h) how will trainee outcomes be monitored after the end of the training? (max 300 words)

- a) The trainees will be young Bolivian graduates in Biology, environmental studies or a similar discipline mostly from the Universidad Autónoma Gabriel René Moreno but similar people from other universities will be considered.
- b) Trainees must have a relevant first degree with motivation to study plant taxonomy and conservation. It would be expected that they have a track record demonstrating interest, motivation and a willingness to do field work. Exceptionally the requirement for a degree might be waived in the case of a candidate qualified exceptionally in other ways. Candidates with good IT and communication skills would be especially welcome. Enthusiasm, motivation and ability to learn would count for more than formal qualifications and seniority.
- c) Training would be through experience in the project, individual instruction, workshops and (for a reduced number) through guided research in the UK or Brazil. Content will include botanical skills including taxonomy and survey work, data-basing and information technology, conservation prioritization, fundraising and design of project proposals. The academic level should be equivalent to that of an MSc for those undertaking guided research.
- d) 2 (possibly 3) people will have the opportunity for guided research abroad, a further 2-3 people will have regular training throughout the project's life and a wider group of an additional 5-10 people will benefit from general training offered in open workshops and during field work. One workshop is specifically aimed at managers.
- e) All trainees will be from Bolivia but visitors from Brazil would be welcome.
- f) Effectiveness in terms of individual, workshop and field training will be measured by trainees capacity to perform the task taught, i.e. to take digital photograph, to enter and analyse data in the data base, collect plant specimens, identify plants, write descriptions and reports, communicate results and recommendations to communities, draw and paint plants etc. In terms of those carrying out guided research, effectiveness would be judged by their capacity to complete the research task producing a paper for a peer-reviewed journal.
- g) Yes, to at least their own level.
- h) Outcomes can be monitored by noting trainees' ability to utilize, build on and extend the knowledge and motivation acquired during the project.

LOGICAL FRAMEWORK

20. Please enter the details of your project onto the matrix using the note at Annex C of the Guidance Note. This should not have substantially changed from the Logical Framework submitted with your Stage 1 application. Please highlight any changes.

Project summary	Measurable Indicators	Means of verification	Important Assumptions				
Goal:							
To draw on expertise relevar	nt to biodiversity from within t	the United Kingdom to work wi	th local partners in countries				
rich in biodiversity but poor if	h resources to achieve						
the conservation of the sustainable use	of its components, and						
• the fair and equitable	le sharing of benefits arising ou	t of the utilisation of genetic reso	nurces				
Purpose	Purpose						
The identification of	Acceptance of report	Report from FCBC/	Bolivia continues to				
conservation priorities	by FCBC/government	government agencies	work towards meeting				
within the cerrado	Steps taken to		its CBD commitments				
formations of the	conserve priority areas	Press reports					
Chiquitano region of	recognised						
Eastern Bolivia	Progress in meeting						
	CBD commitments by						
	Bolivia						
Outputs							
1. Report to FCBC	Completion of	Review of report	Identification of				
and Bolivian	comprehensive report		probable cerrados.				
government detailing	and checklist	Reports from Bolivian	Staff available to carry				
priority cerrados for		partners/ government	out assessment.				
conservation with map	Existence of map	institutions/international	Staff with assessment				
of hotspots, checklist		Groups/ British	and identification				
of cerrado species	Detailed conservation	Embassy	skills.				
with provisional	assessment of species		Cooperation offered				
conservation data, role	Existence of		by local communities				
of mesetas as refugia	assessments of		Transport available				
and assessment of	mesetas and grazing		Continued support by				
impact of grazing.	impaci		IVINKIVI aliu FCDC.				
2 A colour illustrated	Completion	Reviews of book	Existence of				
2. A colour illustrated	publication and	Comments from IUCN	photographs				
endemic/endangered	distribution of book	representatives	Collection of				
plants of the zone	distribution of book	representatives	information on				
plants of the zone.			specific species				
			specific species				
3 Information leaflets	Existence of leaflets	Review of leaflets and	Availability of				
and posters on the	and posters	posters	photographs				
flora and vegetation of	una posters	Reports from schools	Oxford and local artist				
the zone for public		visitors and other users	available				
education		visitors and other asers	Information available				
4. At least 4 scientific	Papers completed and		Discovery of new				
papers related to the	accepted for published	Peer reviews of papers	species				
plants/vegetation of	·····I·····I·····	r r	Collection of data				
the Bolivian cerrados			Problems not overly				
			complex				
			•				
5. Enhanced capacity	Number of collections	Reports by herbaria	Field work completed				
in botanical survey,	Made	Examination of data	Data entered				
conservation	Number identified	base and specimens					
assessment, taxonomy							

Activities 1. Rapid assessment of plant diversity of potentially diverse cerrados.	Activity Milestones Selection of potential cerrados for study (by 6/07) Training in assessment methods (by 10/07) Completion of initial assessments (by 12/08) Follow-up visits to short-listed cerrados (by 12/09) for more detailed study	Assumptions Staff and transport available. Local community co- operative. Weather conditions adequate
2.Identification of specimens from zone.	Common/indicator species identified (by 12/08) Rarer/more complex taxa identified (by 2/10)	Key experts (UK, Brazil & Bolivia) available to identify
3. Assembly of bank of photographs, artwork and data.	Basic set of photos/illustrations ready (by 1/09) Gaps in photos/illustrations filled by 1/10 Data entered within 30 days of receipt	Cameras not lost Computers available Skilled illustrators available
4. Training/workshops in plant identification,	Two workshops, one on survey methods and one on BRAHMS and by 1/08 Four additional workshops including illustration.	Availability of experts in key areas
esp. grasses, use of BRAHMS, botanical illustration, project proposal design, survey methods, conservation priorities and assessment	taxonomy/identification, assessment of survey results by 1/09 Three additional workshops including taxonomy/identification, BRAHMS and conservation priorities by 1/10 At least one UK trained botanist by 3/10 and one through Darwin fellowship programme	Identification of appropriate taxonomy project for Bolivian researcher Staff available for illustration and taxonomy work
6. Meetings with cattle ranchers, community representatives and schools to promote conservation and use of posters/pamphlets.	Initial meetings to inform local communities of project activities (by 1/08) Meetings/Workshops with cattle ranchers, major communities/schools in project area by (by 5/10)	Cattle ranchers, community representatives can be interested Posters and pamphlets completed
7 Symposia, website, and exhibition to publicise results	International symposium in Santa Cruz and national one in La Paz (by 5/10)	Results ready to be publicised.
8. Institutional capacity building through purchase of equipment and materials.	Purchase of vehicle, computers, GPS, cameras (by 9/07) Purchase of herbarium cabinets and equipment (by 9/09)	MNKM has sufficient space for additional equipment
9. Lobbying of authorities to support	Meetings with mayors, prefecto, indigenous leaders to win moral/legal support for conservation measures/protected areas	Political stability at end of project
conservation	Press releases	Meetings can be arranged
		Press can be interested

Project implementa	ation timetable	1
Date	Financial year	Key milestones
	Apr-Mar 2007/08	
Dy and Juna		Initial planning of project with key partners including
By end Julie		initial plaining of project with key particles including
		consultation with government and other central authorities
		Selection of potential cerrados for investigation in Year 1
By end August		Purchase of vehicle, field equipment etc
2) one ragase		Selection of 4 key Bolivian workers
G (1		Initial training of botonists in field work was of compared
September		mitial training of botanists in field work, use of cameras,
		survey work etc (Wood)
Sept-November		First cycle of field work with introductory meetings to
		communities collections from selected cerrados
		Workshop on use of DD ALIMS (Eiler)
December		workshop on use of DRAHWS (Flier)
By January		Project website set up to publicise project and promote its
		recommendations.
January Feb		Data entry and processing and initial identification of
January-190		bata entry and processing and initial identification of
		specifiens
March		Review of progress and planning for next 6 months
	Apr-Mar 2008/09	
April June	1 lp1 101ul 2000/05	Second cycle of field work along lines of first cycle
April-Julie		We also have a second work along lines of first cycle
By June		worksnop on specimen identification of sterile material and
		methods of diversity assessment (Hawthorne)
By September		Purchase of equipment for herbarium
Sontombor		Igint evaluation of progress and planning for next field work
September		such with here come dog "chart listed" for detailed study
		cycle with key certados short-fisted for detailed study
Sept- November		Third cycle of field work with concentrating on high diversity
_		cerrados/refugia
By December		Visit by artist (Wise) with training of Bolivian
By December		counterport/workshop
		counterpart/workshop.
		Selection of Bolivian botanists for UK/Brazilian training
		Second general workshop on plant identification (Beck)
March		Specialist workshop on grasses (Renvoize)
Waten		Review of progress and planning for next 6 months
		Review of progress and plaining for next o months
	Apr-Mar 2009/10	
April-June	-	Fourth cycle of field work as for third cycle
June		Consultancy review of final Rapid Assessment findings with
June		How the man account on an with identification of how diversity
		Hawthorne consultancy with identification of key diversity
		hotspots
By July		Specialist workshops on additional 2 key families (Myrtaceae,
		Labiatae and Legumes)
		Completion of study twining in UK and Drevil by 2 selected
September		Completion of study training in UK and Brazil by 2 selected
September		Bolivian botanists
-		Joint evaluation on progress with detailed planning of final
Sentember		stages of project
Soptimut		Advanced workshop on BDAUMS with Eiler
Sept-January		
		Final field work cycle to plug gaps in knowledge, obtain
		missing photos, data etc and inform communities, mayors etc
By January		of possible priorities for conservation
- j vandar j		Delivery of at least four scientific papers for publication based
		on project work
By January		on project work
		Final specialist workshops (Composites, Bignoniaceae,

21. Provide a project implementation timetable that shows the key milestones in project activities. Project implementation timetable

By January		Acanthaceae/Convolvulaceae)
By January		Completion of art work for posters books etc.
By February		Completion of map of key cerrado areas
		Selection of photos for posters, book and pamphlets
		Project meeting to discuss final results, outline final report and
By February		other publications, and discuss means of publicising results
By March		and promoting conservation of key areas
By April		Final workshop on project design/fundraising
February-March		Completion of text for Red data book, posters etc
		Printing of books, posters etc
		Final round of meetings with selected communities, mayors,
		schools and other local and regional authorities to present
February-March		project results and visit possible areas for conservation,
		discussing recommendations for sustainable grazing practices
		Meetings and Visits with Santa Cruz and national press
		representatives
	Apr-Mar 2010/11	
1		National symposium (La Daz) to present project report and
April		nutorial symposium (La Faz) to present project report and
		International Symposium in Sonta Cruz to present results
April		nuclinational Symposium in Santa Ciuz to present results,
A		Final review of project's achievements by project participants
April		prior to presentation of Final Report to Darwin Initiativa
		prior to presentation of Final Report to Datwin Initiative

22. Set out the project's measurable outputs using the separate list of output measures. PROJECT OUTPUTS

PROJECT OUTPUTS				
Year/Month	Standard output number	Description (include numbers of people involved,		
	(see standard output list)	publications produced, days/weeks etc.)		

Throughout project	4A	At least 10 undergraduate students will benefit from spells of work experience, training and
		workshops
	4B	Can only be assessed retrospectively
Throughout project	5	going training through life of project totalling
2009	6A	At least 2 project workers to complete guided research in UK/Brazil
	6B	12 weeks each
Throughout the	6A	At least 10 Bolivian botanists to receive training through workshops
Throughout the	6B	Can only be assessed retrospectively but not more
project		than 6 weeks each
To accompany	7	Manuals to aid identification of specific groups
some workshops		
2007-8	8	Wood (20), Filer (2)
2008-9	8	Wood (18), Hawthorne (2), Wise (2), Renvoize
		(3), Hughes (3), others (2)
2009-10	8	Wood (18), Filer (2), Wise (1), Hawthorne (1),
		others (2)
2010	8	Wood (4)
2010	9	At least two general documents. One an overall
		second plan for sustainable grazing of the
		cerrados. Individual management plans may be
		prepared for individual communities or
		municipalities.
2010	10	IUCN Red data book for Bolivian cerrados
_010	10	Map of key cerrados
By 2010	11B	At least 4 papers submitted to peer-reviewed
2		journals.
By 2010	12B	Database significantly enhanced in Santa Cruz
		and La Paz.
By 2010	13A	At least 3000 reference collections handed over
		(and data based) to Santa Cruz and La Paz herbaria.
2010	14A	Two major symposia to be organised.
2010	14A	Small meetings (number not known)with
		individual communities to publicise results.
By 2010	14B	Unknown number of conferences or workshops
		where project results may be publicised.
2007-10	15A	National press reports at least annually and as
	150	opportunities arise
2007-10	15B	Regular progress reports in MINKM newsletter
2007-10	13U 19C	Local (Sente Cruz) TV programmers of university
2007-10	100	Local (Santa Cruz) I v programmes of unknown
By 2010	20	f21000 (computers cameras GPS vehicle etc.)
By 2010	23	Unknown amount but efforts to be made to raise
by 2010		significant amounts.

PROJECT BASED MONITORING AND EVALUATION

23. Describe, referring to the Indicators in the Logical Framework, how the progress of the project will be monitored and evaluated, including towards delivery of its outputs and in terms of achieving its overall purpose. This should be during the lifetime of the project and at its conclusion. Please include information on how host country partners will be included in the monitoring and evaluation.

Built into the project plan are a six monthly series of meetings to evaluate the project's progress and plan its next steps. These meetings will necessarily involve the presence of representatives of the three principal partners (Oxford, MNKM and FCBC) but representatives of UB, HNB and RBGK will be welcome to participate if their representative(s) can be present in Santa Cruz at the time of the meeting. These meetings will evaluate the project's progress against the indicators in the Logframe, the activity milestones, the implementation timetable and the table of measurable outputs. Problems and slippage will be discussed and decisions taken to deal with problems and enhance the project's progress. These meetings will be used to anticipate problems and, if possible, begin the negotiations with communities and their leaders to secure the conservation of areas which are identified as priorities for protection. Feedback from Darwin evaluation reports will also be discussed.