

**DARWIN INITIATIVE PROJECT SCHEDULE ref: 162/08/066**

**Organisation name : University of Reading**

**Name of project : The Darwin Plant Information System for Morocco**

**Project purpose :** To produce a flora and red data book for conservation purposes.

**Project objectives :** to develop an on-line plant information system for Moroccan plant collections to allow Moroccan researchers easier access to plant data; to identify specimens (through illustrations, photographs, and images) and to give the opportunity of generating inventories for areas and for categories of plants; to determine areas of rich species and endemic biodiversity and to highlight areas and species for action; to produce a virtual flora.

**Length of project :** July 1999 for 2 years.

**Total project cost :** £26,030

**Darwin funding profile :** 1999/2000 £15,602; 2000/2001 £10,428

**Other sources of funding :** £ 14,342 of University of Reading staff in terms of salaries paid for time spent on project; University of Reading equipment will also be used and not costed.

**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 :** 31 October 1999  
30 April 2000

First report (1.7.1999 to 30.9.1999)  
Annual report (1.7.1999 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	Final report (1.4.2001 to 30.6.2001)

**Arrangements for monitoring trainee outcomes :** This will be by the assessment of the ability to use a database and by the setting of tasks for the persons involved to undertake. The final result will be shown by usage and by the creation of working systems over the www.

**Table A**

<b>PROJECT COST</b>			
<b>Total Darwin Grant : £26,030</b>			
Annual Darwin Grant			
♦ 1999/2000 £15,602			
♦ 2000/2001 £10,428			
<b>DARWIN GRANT : EXPENDITURE DETAILS</b>			
<b>Expenditure details</b>	<b>1999/2000</b>	<b>2000/01</b>	<b>Total</b>
Rents, rates, heating, lighting, cleaning			
Postage, telephone, stationery			
Travel, subsistence			
Printing			
Conferences, seminars, training			
Capital items : computing equipment, books			
Other: service charges, use of libraries			
Salaries	-	-	-

**Table B**

<b>PROJECT OUTPUTS</b>		
<b>Year</b>	<b>Output no.</b>	<b>ref. Details</b>
<b>1999/2000</b>		
Sept.	6A/B	3 Moroccan botanists trained in examination of herbarium and system at Reading for one month.
Sept-Oct	6A/B	2 week course held in Morocco for six people on herbarium systems.
Sept-Oct	8	2 UK scientists in Morocco for 2 weeks each
Oct.	12A	Database established at Institut Agronomique et Veterinaire Hassan II, Rabat
Oct.	12A	Database established at the Institut Scientifique, Rabat
Oct	20	£2360 worth transferred to Morocco to the Institut Agronomique et Veterinaire Hassan II, Rabat
<b>2000/2001</b>		
May	6A/B	2 Moroccan botanists train in UK for 2 weeks to use databases in research and develop web pages.
Sept.	8	3 UK scientists in Morocco for two weeks to help to analyse data.
Mar	10	Catalogue of species published
Mar	17A	Network of herbaria established

**Table C**

<b>PROJECT IMPLEMENTATION TIMETABLE</b>	
<b>Date</b>	<b>Key milestones</b>
<b>1999/2000</b>	
Aug. 2 1999	Selection of botanists for training in UK takes place
Aug. 2 1999	Programme for course prepared
August 1999	3 Moroccan botanists start training in examination of herbarium and system at Reading for one month.
Sept. 1999	3 botanists complete course.
20 Sept. 1999	Equipment shipped to Morocco
Aug. 2 1999	Selection of botanists for Moroccan course takes place
20 Sep.-1 Oct (incl.) 1999	2 week course held in Morocco for six on herbarium systems.
Sep. 1999	Analysis of data starts
Sep. 1999	Database established at two Moroccan herbaria: Institut Scientifique and Institut Agronomique et Veterinaire Hassan II, Rabat
<b>2000/2001</b>	
May 2000	2 Moroccan botanists train in UK for 2 weeks on database use for research and web page making.
Sep. 2000	3 UK scientists in Morocco for two weeks to help to analyse data.
Oct. 2000	Completion of data analysis
Mar. 2001	Catalogue of species published
Mar. 2001	Network of herbaria established

**Table D**

<b>KEY STAFF INPUTS</b>			
<b>Name</b>	<b>Grade/Position</b>		
Dr S L Jury	Project coordinator		
Mr RG Wilson	Computer technician		
Mr R W Rutherford	Plant expert		
Dr DM Keith-Lucas	University Senior lecturer in conservation topics, vegetation survey and assessment		
Prof M Rejdali	Head of the herbarium, IAV, Hassan II, Rabat		
MM Ait Lafkih	Herbarium technician		
MM Hassan	Herbarium technician		
Prof M Fennane	Head of the Herbarium, Institut Scientifique		
<b>STAFF TIME ALLOCATIONS (% of time spent on this work)</b>			
<b>Name</b>	<b>1999/2000</b>	<b>2000/2001</b>	<b>2001/2002</b>
Dr S L Jury	10	10	
Mr RG Wilson	30 days	30 days	
Mr R W Rutherford	20 days	20 days	
Dr DM Keith-Lucas	----	15 days	
Prof M Rejdali	30	20	
MM Ait Lafkih	30	10	
MM Hassan	10	10	
Prof M Fennane	30	20	