

DARWIN INITIATIVE PROJECT SCHEDULE ref: 162/09/003

Organisation name : THE NATURAL HISTORY MUSEUM

Name of project : Tools for monitoring soil biodiversity in the ASEAN region

Project purpose : To devise cost effective rapid sampling protocols for assessing the biodiversity of termites, ants, earthworms and beetles .

Project objectives : to develop and test Rapid Biodiversity Assessment (RBA) protocols for termites, ants, earthworms and beetles; to publish studies in international peer-reviewed journals; to produce a handbook describing the RBA protocols and giving recommendations on how to reduce the impact of land-use change on soil biodiversity; establish an annual training course to teach RBA protocols to specialists from ASEAN countries; to establish a species level database using the results of the RBAs; to establish a network of soil biodiversity specialists throughout the ASEAN region; to help build up within ASEAN countries the capacity to meet CBD obligations.

Length of project : May 2000 for three years

Total project cost : £214,769

Darwin funding profile : 2000/2001 £37,036; 2001/2002 £32,101; 2002/2003 £31,496.
Total £100,633

Other sources of funding : £114,136 covering salaries and bench fees at NHM, UMS and FRC. Non-costed resources include use of classroom and seminar facilities at UMS and FRC.

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 September 2000	First report (1.4.2000 to 30.9.2000)
30 April 2001	Annual report (1.4.2000 to 31.3.2001)
30 September 2001	Six month report (1.4.2001 to 30.9.2001)
30 April 2002	Annual report (1.4.2001 to 31.3.2002)
30 September 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 : the ASEAN Regional Centre for Biodiversity Conservation (Dr John MacKinnon) and the Royal Society SE Asia Rain Forest Research Committee (Dr Rory Walsh) will monitor the progress of the work and the trainees.

Table B

PROJECT OUTPUTS		
Year	Output ref. no.	Details
2000/2001		
1	14B	Five day workshop for 6 UK and 5 Malaysian staff.
May 00	15A & B	Press release and media coverage of project launch in Sabah, organised by UMS and FRC.
July ? 00	18A & C, 19C	
July ? 00	8	Three weeks field work in Sabah by five UK staff.
July ? 00	22	Eight (?) permanent field plots established.
July ? 00	4C & D	Three Malaysian Darwin Fellows trained for Three weeks.
July ? 00	14D	Presentation of oral paper and poster at the International Congress of Entomology, Brazil.
August 00	13A	Establish earthworm reference collection at FRC.
Feb 01	13B	Enhance beetle reference collection at FRC.
Feb 01	13B	Enhance termite reference collection at UMS.
Feb 01	13B	Enhance ant reference collection at UMS.
Feb 01		
2001/2002		
2	14D	Presentation at international conference.
2001/02 ?	17B	Establish Soil Biodiversity specialist group network Across the ASEAN region.
April 01	8	Two weeks field work in Sabah by four UK staff.
May ? 01	4C & D	Three Malaysian Darwin Fellows trained for Two weeks.
May ? 01	14B	Two day workshop for 6 UK and 3 Malaysian staff.
July ? 01	16A	Send out first newsletter to Soil Biodiversity Specialist group members in ASEAN.
August 01	12A	Set-up species level database at UMS.
Oct 01	11A	Submission of RBA manuscript to journal.
March 02		
2002/2003		
3	16A	Send out second newsletter to Soil Biodiversity Specialist group members in ASEAN.
June 02	14D	Presentation of oral paper at the IUSSI conference Japan.
July 02	11A	Submission of ecological synthesis paper to journal.
Nov ? 02	10	Edit and print Darwin Handbook of Soil RBAs.
Dec 02	7	Prepare teaching material for training course.
Jan 03	6A & B	First annual training course to teach soil RBAs to 28 ASEAN specialists.
March 03	15A & B	Press release and media coverage of RBA training Course in Sabah, organised by UMS & ARCBC.
March 03	18A & C, 19C	

[Please note: The dates for field work, the number of permanent plots to be established, deadlines for identification of specimens, date of manuscript submission to journals, and the date of the training course are all to be finalised during the planning workshop in May 2000. Therefore, this table will be revised after the workshop.]

Table C

PROJECT IMPLEMENTATION TIMETABLE	
Date	Key Milestones
2000/2001	
May 00	Five day workshop for 6 UK and 5 Malaysian staff to plan RBA field
July ? 00	Work and project timetable
July ? 00	Three weeks field work in Sabah by five UK staff. Three Malaysian Darwin Fellows trained for three weeks in field Sampling techniques.
Sept ? 00	Darwin Fellows begin specimen identification.
Feb 01	Establish earthworm reference collection at FRC. Enhance beetle Reference collection at FRC. Enhance termite and ant reference Collections at UMS.
2001/2002	
April 01	Establish Soil Biodiversity specialist group network in ASEAN region.
May ? 01	Two weeks field work in Sabah by four UK staff.
May ? 01	Three Malaysian Darwin Fellows trained for two weeks.
July ? 01	Five NHM staff start taxonomic quality control on specimens identified By Darwin Fellows
July ? 01	Two day workshop in NHM to review progress, for six UK staff and Three Malaysian Darwin Fellows.
Oct 01	Set-up species level database at UMS.
March ? 02	Submission of RBA manuscript to journal.
2002/2003	
Nov ? 02	Submission of ecological synthesis paper to journal.
Jan 03	Print Darwin Handbook of Soil RBAs.
March 03	First annual training course to teach soil RBAs.

Table D

KEY STAFF INPUTS			
Name	Role in project		
Dr David Jones	Project leader, consultant on taxonomy and sampling		
Dr Paul Eggleton	Consultant on taxonomy and sampling		
Peter Hammond	Consultant on taxonomy and sampling		
Barry Bolton	Consultant on taxonomy and sampling		
Dr Frank Krell	Consultant on taxonomy		
Dr David Bignell	Consultant on sampling		
Stella Wiseman	Desktop publishing editor		
Dr Maryati Mohamed	Consultant on taxonomy and sampling		
Dr Chey Vun Khen	Consultant on taxonomy and sampling		
Dr Homathevi Rahman	Darwin Fellow		
Dr Arthur Chung	Darwin Fellow		
Bakhtiar Yahya	Darwin Fellow		
STAFF TIME ALLOCATIONS (% time spent on this work)			
Name	2000/2001	2001/2002	2002/2003
Dr David Jones	21	21	21
Dr Paul Eggleton	8	8	8
Peter Hammond	4	4	4
Barry Bolton	2	2	2
Dr Frank Krell	17	17	17
Dr David Bignell	4	4	4
Stella Wiseman	--	--	4
Dr Maryati Mohamed	4	4	4
Dr Homathevi Rahman	25	25	25
Dr Bakhtiar Yahya	25	25	25
Dr Chey Vun Khen	4	4	4
Dr Arthur Chung	42	42	42