

# DARWIN INITIATIVE FOR THE SURVIVAL OF SPECIES

## ANNUAL MONITORING FORM

### Project Details

DoE Project Ref No 162/7/040

Project Title Biodiversity of butterflies in tropical rainforests of Sabah, Borneo

Institution University of Durham, UK

Round 1  (please tick)

2

3

4

5  6 ✓

## PROJECT IMPLEMENTATION TIMETABLE

- a) Outline progress over the last year against the agreed baseline timetable for the project. If some milestones have not been achieved or have slipped, explain reasons for this.

All key milestones (Table C) and project outputs (Table B) in the agreed baseline timetables have been achieved. Darwin Fellows 1 & 2 (Mr Mahadimenakbar Daewood and Mr Joseph Tangah, both from Sabah) have both completed their fieldwork and they're now at Durham for a period of two months to complete and submit their MSc theses (**output 2**). Darwin Fellows 3 & 4 (Ms Suzan Benedick and Ms Nazirah Mustaffa, both from Sabah) each received three months training in Durham from June to August 1999 (**output 4D**) and have both completed their first six months of fieldwork. UK staff visited Sabah in September - November 1999 and March/April 2000 (**output 8: 28 weeks in host country**). The reference collection of butterflies at the Forest Research Centre Sabah has been further enlarged and an additional reference collection has been established at the University of Malaysia in Sabah (**output 8**). All data collected during the first year of the project have been analyzed and drafts of four research papers have been completed (**output 11**). Some of these data were presented in two oral papers at the British Ecological Society conference December 1999 and in three research seminars at the University of Malaysia in Sabah, in September and November 1999 (**output 14**). An educational pack in English and Malaysian has been completed and is now being used by staff at the Environmental Education Unit at Danum Valley (**output 7**). Our two Sabahan collaborators have both visited the UK to receive training and gather information (**output 6A**). A website for the project has been established at <http://www.dur.ac.uk/Ecology/darwin.htm> (**output 17B**).

- b) What progress has the project made in achieving its objectives over the last year? Is the project still expected to achieve all the original objectives which were specified? Explain any problems/difficulties which have been encountered to date in achieving the objectives of the project (or any which you envisage may be encountered in the future).

The project has made good progress in achieving all its specified objectives and we have encountered no major problems so far.

- c) What lessons can be learnt from your experiences (both good and bad) over the last year?

The importance of having established good links with key local personnel before the start of the project.

- d) If the project timetable has slipped or changed, provide an updated project implementation timetable for the remainder of the project. *(Please note that projects are expected to adhere to their original timetable and that the timely completion of projects is an important factor taken into account by the Department when assessing project performance.*

*However, from time to time projects may be delayed unavoidably. Where a project is falling behind schedule, details on the revised programme of work should be provided below.*

The project timetable has not been changed in any way.

e) What is the estimated completion date for the project?

30 April 2001 (final report by 30 June 2001)

f) Is this different to the completion date set out in the original application form?

Yes

(please tick)

No

## PROJECT OUTPUTS

- a) What outputs have been achieved by the project over the last year? We would like you to work through the list of standard output measures which have been agreed for the Darwin Initiative and to report on those which are relevant to your project. All information provided should be referenced clearly to the appropriate project output reference number, and should provide the level of detail required (requirements are specified in the Guidance Note on Output Definitions which accompanies the List of Standard Output Measures).

*Please note you are not expected to report against all the output measures which are listed. We only expect you to report on the outputs which were agreed for your project. However, if further outputs have been generated which relate to one or more of the standard output measures, these should also be reported below. Further outputs which do not fit easily into any of the standard output categories should be reported later in this section (see sub-section b).*

| Output Ref. No. | Description/Commentary  |
|-----------------|---|
| 4D              | Darwin Fellows III & IV have received a combined total of 32 weeks of training in butterfly taxonomy and identification, census techniques, database management and scientific writing. |
| 6A              | Our two Sabahan collaborators, Dr Maryati Mohamed and Dr Chey vun Khen, have both visited the UK, for four weeks and two weeks respectively, to receive training and gather information |
| 7               | An educational pack in English and Malaysian has been completed and is now being used in Sabah  |
| <b>Output</b>   |   |

| Ref. No.   | Description/Commentary  |
|------------|---|
| <b>8</b>   | UK staff have spent a combined total of 28 weeks in Sabah assisting with data collection, training students in the field and liaising with staff at collaborating institutions. |
| <b>13B</b> | Butterfly reference material has been added to the collection at the Forest Research Centre Sabah.  |
| <b>13A</b> | An additional reference collection has been established at the University of Malaysia in Sabah and is being curated by Darwin Fellow III (Ms Suzan Benedick).                   |
| <b>14D</b> | Data from the project have been presented in two oral papers at conferences in the UK   |
| <b>14C</b> | Results have been presented at three research seminars in Sabah   |
| <b>17B</b> | A website for the project has been established at <a href="http://www.dur.ac.uk/Ecology/darwin.htm">http://www.dur.ac.uk/Ecology/darwin.htm</a>                                 |

- b) Please provide details on any further outputs generated by the project over the last year which do not fit easily into the standard output categories for the Darwin Initiative.

Laminated A4 posters summarizing the work of the project have been distributed within Sabah and the UK.

We've produced a pack of 400 colour postcards illustrating butterflies at Danum Valley and publicising the Darwin Initiative and our project. These have been and are being distributed broadly within the UK, Sabah and elsewhere globally.

- c) Explain any problems encountered to date in achieving the output targets specified for this project or any problems you envisage in achieving these outputs in the future.

None

- d) If the project timetable has slipped or changed, provide an updated timetable for the achievement of outputs over the remainder of the project period. *(Please note that projects are expected to adhere to the original output timetable which was agreed with the Department and this is taken into account when assessing project performance. However, some projects may be delayed unavoidably. Where a project is falling behind schedule a revised output timetable should be provided below).*

The project timetable has not changed.

## PROJECT EXPENDITURE

- a) Grant expenditure last year £53,802.00  
b) Grant expenditure to date £76,199.02

c) Please provide a breakdown of grant expenditure using the main expenditure headings in the original application form.

| Expenditure Last Year  | Expenditure to Date |
|--|---------------------|
| <p>Rates, rates, heating, lighting and bench fees in Sabah:</p> <p>Postage, telephone, stationery:</p> <p>Travel and subsistence (UK staff):</p> <p>Printing:</p> <p>Conferences, seminars, etc.:</p> <p>Darwin Fellows:</p> |                     |

f) Explain any variations in expenditure (+/-10%) from the original application form.

## STAFF RESOURCES

a) Please provide details on the staff who have worked on the project over the last year.

| Name                 | Institution                     | Grade/Position           | % of time allocated to the project last year |
|----------------------|---------------------------------|--------------------------|--|
| Dr Keith Hamer       | University of Durham, UK        | Lecturer                 | 17   |
| Dr Tom Sherratt      | University of Durham, UK        | Lecturer                 | 17   |
| Dr Jane Hill         | University of Durham, UK        | Post-doctoral Researcher | 25   |
| Prof Maryati Mohamed | University of Malaysia in Sabah | Professor                | 8  |
| Dr Chey vun Khen     | Forest Research Centre Sabah    | Chief Entomologist       | 8  |

b) Please explain any variations in the composition of the project team or in the inputs of key staff from the details provided in the original application form.

None