

# Darwin Initiative: Half Year Report

(due 31 October 2007)

<b>Project Ref. No.</b>	14-022
<b>Project Title</b>	Predictive tools for targeting conservation effort on Bornean forest reserves, Sabah, Malaysia
<b>Country(ies)</b>	Malaysia
<b>UK Organisation</b>	University of York
<b>Collaborator(s)</b>	Universiti Malaysia Sabah, Forest Research Centre, Sabah, Leeds University, Natural History Museum
<b>Project Leader</b>	Dr Jane K. Hill
<b>Report date</b>	30 October 2006
<b>Report No. (HYR 1/2/3/4)</b>	HYR 3
<b>Project website</b>	<a href="http://www.york.ac.uk/depts/biol/staff/jkh.htm">http://www.york.ac.uk/depts/biol/staff/jkh.htm</a>

**1. Outline progress over the last 6 months (April – September) against the agreed baseline timetable for the project (if your project has started less than 6 months ago, please report on the period since start up).** The project started in June 2005. The following progress has been made over the past 6 months:

1. The two Darwin Fellows have continued working on the project full time. The data base has now been compiled; it comprises 22,274 distribution records of butterflies, from 313 species and 454 localities across Borneo. Over the past 6 months, Dr Suzan Benedick (senior fellow) has been based in SE Asia. Suzan has been checking the data entries, verifying species names and location names and providing information for geo-referencing the records. Mr Mazidi Ghani (junior fellow) has split his time between York and Malaysia. Mazidi has run climate-envelope models ('Maxent' model) for all species and generated output to compare observed and predicted species' distributions. He attended a modelling course in Tuscon Arizona (Species Distribution Modelling; South Western Research Station; April 07) run jointly with Dr Alison Cameron (Mapping & modelling advisor). Mazidi has then gone on to carry out further analyses to compare model predictions with our new field data.

2. Mazidi Abd. Ghani returned to Sabah for a short visit. He discussed progress with Dr Suzan Benedick and Dr Maryati (Local project co-ordinator). This visit also coincided with a visit to Sabah by Jane Hill (Project leader) & Keith Hamer (Database manager; see below). Mazidi has also formed a link with Raymond J. Alfred at WWF Malaysia and they are collaborating on analysis of land-use and climate change data for Borneo.

3. The Project Leader (Jane Hill) and Database Manager (Keith Hamer) visited Sabah for 1 month in August - September (2007). The main aims of the visit were to i) discuss progress on the project to date; ii) start organising the workshop at the end of the project. We had meetings with Dr Chey Vun Khen (local database manager) and Dr Maryati (Local project co-ordinator) and the two Darwin fellows.

4. Findings from the project were included in an exhibition arranged by Jane Hill and Keith Hamer at the Royal Society Summer exhibition. Mazidi was involved with setting up the exhibit and manning the stall (<http://www.summerscience.org.uk/>). Our exhibit was entitled 'Life at the Top – biodiversity in tropical forest canopies'.

**2. Give details of any notable problems or unexpected developments that the project has encountered over the last 6 months. Explain what impact these could have on the project and whether the changes will affect the budget and timetable of project activities.**

No problems encountered over the past 6 months.

**Have any of these issues been discussed with the Darwin Secretariat and if so, have changes been made to the original agreement?**

n/a

**Discussed with the DI Secretariat:**

**Changes to the project schedule/workplan: no/yes, in.....(month/yr)**

**3. Are there any other issues you wish to raise relating to the project or to Darwin's management, monitoring, or financial procedures?**

No

**If you were asked to provide a response to this year's annual report review with your next half year report, please attach your response to this document.**

**Please note: Any planned modifications to your project schedule/workplan or budget should not be discussed in this report but raised with the Darwin Secretariat directly.**

Please send your **completed form email** to Eilidh Young, Darwin Initiative M&E Programme at [Darwin-Projects@ectf-ed.org.uk](mailto:Darwin-Projects@ectf-ed.org.uk) . The report should be between 1-2 pages maximum. **Please state your project reference number in the header of your email message eg Subject: 14-075 Darwin Half Year Report**