Part B   Project Summary

Project Title: Establishment of "Hong Kong Biodiversity Information System " 創建《 香港生物多樣性訊息系統》	Project Number 2011/0169

Name of Organization: Ho Koon Nature Education cum Astronomical Centre (Sponsored by Sik Sik Yuen)

(1) **Goals:** Establishment of a mega resources bank of Hong Kong biodiversity information system (HKBIS), for biology education and environmental education.

Objectives: (i) Provide an interactive platform for teachers and students to access comprehensive information of native biodiversity, for teaching and learning purposes.

(ii) Enhance teachers to use native examples in biology education and environmental education.

(iii) Enrich teachers' and students' knowledge on local biodiversity and arouse students' awareness on conserving the nature.

(iv) Provide comprehensive guidance and reference material for students conducting investigation projects related to Hong Kong nature.

(2) **Targets:** All biology teachers, general studies teachers, environmental education teachers; all students and curriculum developers. Expected number of beneficiaries: 800 biology teachers, 1200 general studies teachers, 500 environmental education teachers, 18000 secondary students, 30000 primary students, **totally 50500 individuals.**

(3) **Implementation Plan:**

(i)   Duration: December 1, 2012 to December 31, 2015

(ii)   Process / Schedule:

1. Employing biodiversity program manager and biodiversity program officer (Dec 2012 - Jan 2013)
2. 1st stage biodiversity survey (Jan 2013 - October 2013)
3. Process field data and building the framework of HKBIS (April 2013 - July 2013)
4. 1st stage computer program compilation (Sept 2013 - Dec 2013)
5. 2nd stage biodiversity survey (Jan 2014 - Dec 2014)
6. 1st stage data entry (Jan 2014 - June 2014)
7. Database testing and modification (July 2014 - Sept 2014)
8. 2nd stage data entry (Jan 2015 - April 2015)
9. Announcement of database beta version (May 2015)
10. Teacher workshops and seminars (June 2015 - Nov 2015)
11. Finalization of database (Oct 2015 - November 2015)
12. Evaluation of project (July 2015 - December 2015)

(iii) Collaboration with other parties / partners: Ho Koon is the sole organizer

(4) **Products:**

(i)   Deliverables/outcomes:

1. A web-based mega database containing comprehensive information of HK biodiversity, which is freely accessible by teachers and students.
2. Application software for portable devices for teachers and students.
3. Workshops and seminars for teachers.

(ii)   Dissemination of deliverables / outcomes: Through internet, printing materials & teacher workshops

(iii)   Commercialization potential of deliverables / outcomes: License the material of HKBIS to other users.

(5) **Budget:**

(a) **staff cost: $1,277,262; (b) equipment $68,600 ; (c) services: $170,500; (d) Work: $0; (d) general expenses: $55,000; and (f) contingency:$8,838** . Total: **$1,580,200**

(6) **Evaluation:**

(i)Performance indicators: Hit rate to the database, number of registered users, users' opinions, download rate of the applications for portable devices, seminar participation rate. Number of surveys, number of species recorded, number of habitats recorded.

(ii)Outcome measurements: Keep logging and analyzing the hit rates to the database. Monitoring the download rate of the apps. Use on-line as well as traditional questionnaires to collect opinions from users. Detail records of surveys.