LESSON LEARNED IN THE RESEARCH COLLABORATIONS BETWEEN DEVELOPING AND DEVELOPED COUNTRIES

Bambang Purwantara
Southeast Asian Regional Centre for Tropical Biology (SEAMEO BIOTROP)
Jl. Raya Tajur Km 6 Bogor Indonesia (www.biotrop.org)
Department of Veterinary Clinic, Reproduction and Pathology
Faculty of Veterinary Medicine Bogor Agricultural University
Jl. Agatis Kampus IPB Darmaga Bogor Indonesia

Projects on research and capacity building

- Asia-Link Project on Reproductive Biotechnology
- Study on Sumatran Rhino Breeding Programme
- Conservation Endocrinology of orangutan
- Siberut Conservation Program (SCP) and Macaca Nigra Project (MNC)

Overview of Asia-Link Projects

Main Objective

Promotion of regional and multilateral networking between higher education institutions (HEIs) in European Union Member States and South Asia, South-East Asia and China

- Creation of new sustainable partnerships between European and Asian HEIs
- Reinforcement of existing partnerships

Asia-Link Project

Reproductive Biotechnology: Modern Technology to Improve Livestock Production under Traditional Asian Conditions (HRD)

Utrecht University – Faculty of Veterinary Medicine
Chulalongkorn University, Faculty of Veterinary Science
Kasetsart University, Faculty of Veterinary Medicine
Bogor Agricultural University, Faculty of Veterinary Medicine
Swedish University of Agricultural Sciences, Faculty of Veterinary Medicine
Funds Available

- Total European Commission budget: €40 million over a 5-year period (ended 2005):
  - Grant support €30.25 million
  - Information support €1.2 million

Grant Support

- EC Grant: Min. €200,000 / Max. €300,000
- Grant may not exceed 75% of total project costs

Eligible Countries

European Union (15)
- Austria
- Belgium
- Denmark
- Finland
- France
- Germany
- Greece
- Ireland
- Italy
- Luxembourg
- Netherlands
- Portugal
- Spain
- Sweden
- United Kingdom

Asia (17)
- Afghanistan
- Bangladesh
- Bhutan
- Cambodia
- China (excl. H-K + Macao)
- East Timor
- India
- Indonesia
- Laos
- Malaysia
- Maldives
- Nepal
- Pakistan
- Philippines
- Sri Lanka
- Thailand
- Vietnam

What Types of Project?

- Curriculum Development (12-36 months)
- Institutional and Systems Development (6-36 months)
- Human Resource Development (12-36 months)

Human Resource Development
(12-36 months)

To upgrade the skills of university teaching staff and administrators, including:
- short teaching/training missions in Europe/Asia
- short intensive overseas programmes
- study/research abroad at PhD/Master’s level
- internships

Undergraduate students shall not be considered for mobility grants
Project overview

- Three years project (2002-2005)
- Five universities involved (two European and three Asian universities)
- Funded by EU, proponent and each partners contributes in kind (salary, facilities)
- Nature of activities: PhD researches, short term trainings, faculty exchanges, symposia, join publications.

Asia-Link Project
Reproductive Biotechnology: Modern Technology to Improve Livestock Production under Traditional Asian Conditions (HRD)

- 2001 - 2002: Linking the 5 institutions (UU, SLU, IPB, CU and KU) to formulate platform of the project. Write a proposal to be submitted to EU (first batch was failed)
- 2002-2003: Implementation of the project: to held symposiums, short term training courses, faculty exchanges, selection of PhD candidates, establishment of PhD advisory team, initial # research projects for PhD candidates.
- 2004-2005: Research of PhD candidates on reproduction of Bali Cattle (IPB), buffalo (CU), and elephant reproduction (KU). Publication at international journals, seminars and symposia. Project ended.

STUDY ON SUMATRAN RHINO BREEDING PROGRAMS
Faculty of Veterinary Medicine (IPB) and International Rhino Foundation (IRF) – German Primate Center (DPZ)

- 1998 - 2007: Study on reproductive status (non-invasive monitoring reproductive status) in Female Sumatran Rhinoceroses (oestrous cycle, pregnancy, parturition, and reproductive disorder)
- 2008 - now: The development of Hormone Laboratory at Faculty of Veterinary Medicine (IPB) to enhance the capacity for analysis metabolites steroid in faeces and urine (non-invasive method)
Benefits of Study on Sumatran Rhino

- International publications
- Participation of staff in the Global Management and Propagation Program for the Sumatran Rhinoceros and in the Asian Rhino Specialist Group (SSG-IUCN)
- Thesis and Dissertation (Joint supervision)
- Capacity building: knowledge transfers, research facilities, laboratory establishment, and networks
- Mobility of staff, researchers and students

Benefits of Research on Conservation Endocrinology in Orangutan

- International publications
- Participation of students and staff on Research of Conservation Endocrinology (stress and reproduction in Orangutan)
- Thesis and Dissertation (Joint supervision)
- Capacity building: knowledge transfers, research facilities, laboratory development, and networks
- Mobility of staff, researchers and students (sandwich student exchange programs)
SIBERUT CONSERVATION PROGRAM (SCP) AND MACACA NIGRA PROJECT (MNP)

Bogor Agricultural University (IPB) and German Primate Center (DPZ)

Benefits of SCP and MNP

- International publications (20 publications, 2004-2012)
- Participation of students and staff on Research of Biology and Ecology of the Mentawaian Primates and Macaca nigra
- Thesis and Dissertation (Joint supervision)
- Capacity building: knowledge transfers, research facilities, laboratory development, training and networks
- Mobility of staff, researchers and students (sandwich and student exchange programs)
- The establishment and development research stations in Siberut island and Tangkoko Nature Reserve

The obstacles of collaboration

- Lack of unplanned contact
- Knowing who to contact about what
- Difficulty of initiating contact
- Ability to communicate effectively
- Lack of trust or willingness to communicate openly
Effects on development

- Issue resolution paralysis and delay
- More people required to do the same work
- Very difficult to stay “in the loop”
- Conflict or misalignment of team goals
- Nonexistent or impaired social networks
- Ineffective collaborative sessions
- Less help with heavy workloads
Thank you