Regional Workshop on Success Stories in Climate Change Education Advancement in the Asia Pacific Region
10-14 August 2015

MALAYSIA: A Country Report

USAID LEAF
Regional Climate Change Curriculum Development
Corruption has appeared throughout the land and sea by [reason of] what the hands of people have earned so He may let them taste part of [the consequence of] what they have done that perhaps they will return [to righteousness].

Telah timbul berbagai kerosakan dan bala bencana di darat dan di laut dengan sebab apa yang telah dilakukan oleh tangan manusia; (timbulnya yang demikian) kerana Allah hendak merasakan mereka sebahagian dari balasan perbuatan-perbuatan buruk yang mereka telah lakukan, supaya mereka kembali (insaf dan bertaubat).
AGENDA

- BRIEF INTRO ON UPM & UKM
- PROGRESS MADE ON RECCCD
- WAY FORWARD
UNIVERSITI PUTRA MALAYSIA (UPM) & UNIVERSITY OF MALAYSIA (UKM)
INvolvement in RECCCD

2013
- LEAF MALAYSIA – 1st Engagement (April)
- RECCCD Workshop, Bangkok (August)

2014
- CMM & SES TOT Workshop, Bangkok (May)
- RECCCD TOT Workshop, Kuala Lumpur (Aug)

2015
- LELUP Role Play Workshop, Bangkok (Feb)
- LED-AFOLU Regional Forum, Bangkok (July)
- RECCCD Success Story, Bangkok (Aug)
PROF DR AHMAD **AINUDDIN** NURUDDIN
- FACULTY OF FORESTRY, UPM / INST. OF TROPICAL FORESTRY & FOREST PRODUCT (INTROP), UPM
- DEPUTY DIRECTOR, INTROP / MICRO CLIMATE & FOREST FIRE / CMM

ASSOC. PROF. DR MOHD **ZAKI** HAMZAH
- FACULTY OF FORESTRY, UPM
- SENIOR LECTURER / FOREST SILVICULTURE / LELUP

ASSOC. PROF. DR AHMAD **MAKMON** ABDULLAH
- FACULTY OF ENVIRONMENTAL STUDIES, UPM
- DEPUTY DEAN (ACADEMIC & INTERNATIONAL) / ECOPHYSIOLOGY / BCC

ASSOC. PROF. DR MOHD **RUSLI** Yacob
- FACULTY OF ENVIRONMENTAL STUDIES, UPM
- HEAD, DEPT. OF ENVIRONMENTAL MGMT / ENVIRONMENTAL ECONOMICS / SES

ASSOC. PROF. DR **SYARIFAH** ZARINA SYED ZAKARIA
- INSTITUTE FOR ENVIRONMENT AND DEVELOPMENT (LESTARI), UKM
- SENIOR RESEARCH FELLOW / ENVIRONMENTAL EDUCATION / SES

**DR CHAN** HOY YEN
- SOLAR ENERGY RESEARCH INSTITUTE (SERI), UKM
- FELLOW / RENEWABLE ENERGY POLICY & MANAGEMENT / BCC
INVOLVEMENT IN KUALA LUMPUR WORKSHOP

UPM

UKM

FOREST RESEARCH INSTITUTE MALAYSIA

UNIVERSITI MALAYSIA TERENGGANU
UNIVERSITI PUTRA MALAYSIA (UPM)
BRIEF OVERVIEW OF UPM

1931 AGRICULTURE SCHOOL

1971 Universiti Pertanian Malaysia

1947 MALAYA AGRIC. COLLEGE

1997 Universiti Putra Malaysia
# UPM: FACTS & FIGURES

<table>
<thead>
<tr>
<th>NO</th>
<th>CORPORATE INFORMATION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>History</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Year established</td>
<td>1931 – School of Agriculture</td>
</tr>
<tr>
<td></td>
<td>Year upgraded to college</td>
<td>1947 - Malayan Agricultural College</td>
</tr>
<tr>
<td></td>
<td>Year upgraded to university</td>
<td>1971 - Universiti Pertanian Malaysia</td>
</tr>
<tr>
<td></td>
<td>Year university name changed</td>
<td>1997 - Universiti Putra Malaysia</td>
</tr>
<tr>
<td>2</td>
<td>Main Campus Size - Serdang</td>
<td>1108.103 hectares</td>
</tr>
<tr>
<td></td>
<td>Branch Campus Size - Bintulu</td>
<td>714.717 hectares</td>
</tr>
<tr>
<td>3</td>
<td>Faculty</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Institute</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Centre</td>
<td>16</td>
</tr>
<tr>
<td></td>
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# UPM: Facts & Figures

## Academic Staffs

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<tr>
<td>1</td>
<td>Number of Academic Staff</td>
<td>2,548</td>
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<tr>
<td>2</td>
<td>Number of International Academic Staff</td>
<td>373</td>
</tr>
<tr>
<td>3</td>
<td>Inbound Visiting International Academic Staff</td>
<td>152</td>
</tr>
<tr>
<td>4</td>
<td>Outbound Visiting Academic Staff</td>
<td>304</td>
</tr>
<tr>
<td>5</td>
<td>Academic Staff with PhD</td>
<td>1,799</td>
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## Undergraduate Students

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<tr>
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<td>Number of Undergraduate Students</td>
<td>16,051</td>
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<tr>
<td>2</td>
<td>Number of International Undergraduate Students</td>
<td>444</td>
</tr>
<tr>
<td>3</td>
<td>Inbound Exchange Undergraduate Students</td>
<td>296</td>
</tr>
<tr>
<td>4</td>
<td>Outbound Exchange Undergraduate Students</td>
<td>238</td>
</tr>
<tr>
<td>5</td>
<td>Number of First Year Undergraduate Students</td>
<td>4,923</td>
</tr>
<tr>
<td>6</td>
<td>Number of Foundation Centre Students</td>
<td>1,000</td>
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</table>
## UPM: FACTS & FIGURES

<table>
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<th>NO</th>
<th>POSTGRADUATE COMMUNITY</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td>1</td>
<td>Number of Postgraduate Students</td>
<td>10,171</td>
</tr>
<tr>
<td>2</td>
<td>Number of International Postgraduate Students</td>
<td>3,861</td>
</tr>
<tr>
<td>3</td>
<td>Inbound Exchange Postgraduate Students</td>
<td>33</td>
</tr>
<tr>
<td>4</td>
<td>Outbound Exchange Postgraduate Students</td>
<td>244</td>
</tr>
<tr>
<td>5</td>
<td>Average International Postgraduates Fees</td>
<td>USD 6960.76</td>
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<tr>
<td>6</td>
<td>Average Domestic Postgraduates Fees</td>
<td>USD 2,693.51</td>
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<table>
<thead>
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<th>NO</th>
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<tr>
<td>1</td>
<td>Total Students</td>
<td>26,222</td>
</tr>
<tr>
<td>2</td>
<td>Total International Students</td>
<td>4,305</td>
</tr>
<tr>
<td>3</td>
<td>Total Inbound Exchange Students</td>
<td>329</td>
</tr>
<tr>
<td>4</td>
<td>Total Outbound Exchange Students</td>
<td>482</td>
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</table>
The School of Graduate Studies, a prestigious institution with a legacy of knowledge and research, offers more than 400 fields of study. It provides balanced academic programmes for postgraduate students.
SEBUTHARGA SEWA RUANG NIAGA BAGI
MENJALANKAN DAN MENGERUSKAN
PERKhidMATAN KEDAI SERBANiKA DI
BANGUNAN PUSANIKA, UKM

Hubungi Jabatan Bendahari, UKM di talian:
Encik Muhammad Fadhil: 03-89213592
Cik Napiah: 03-89215538

Tarikh mula jual sebutharga: 29 Ogos 2013
Tarikh Lembaran: Tarikh 1 September 2013
Tarikh Tutup Lelarian:
12 September 2013 (12:00 tengah hari)
UNIVERSITI PUTRA MALAYSIA (UPM)

GREEN CAMPUS OF UPM

UNIVERSITI PUTRA MALAYSIA (UPM)

FACULTY OF FORESTRY

FACULTY OF ENVIRONMENTAL STUDIES
...”MANY THANKS TO USAID, LEAF, USFS, SILVACARBON...”

... WE WELCOME YOU TO OUR FACULTY, AND MAYBE ONE DAY YOU WILL JOIN OUR FAMILY (STUDENTS-STAFFS) AS YOU LOOK FORWARD TO DEEPEN YOUR KNOWLEDGE AND EXPAND YOUR HORIZON...

... WE HAVE WHAT IT TAKES TO NURTURE YOUR GROWTH TOWARDS BEING PROFESSIONAL GRADUATES..

... COME AND JOIN US....”
The Faculty was established in 1971

One of the foundation faculties in UPM (others were Faculty of Agriculture, Faculty of Veterinary Medicine & Animal Science)

Program offered: Bachelor of Science in Forestry (B.Sc. (For.))

Duration: 4 years

First students’ intake in 1973

First graduates: 1977

The first Forestry program (undergraduate level) in Malaysia
FACULTY OF FORESTRY: UNDERGRADUATE PROGRAMS

- Bachelor of Wood Science Technology:
  - 4 years; 135 credits – offered in 2006
- Bachelor of Forestry Science
  - 4 years; 138 credits – offered in 2011
- Bachelor Parks and Recreation Science
  - 4 years; 137 credits – offered in 2011

[Number of credits for each program will be reduced to 125 credits – new revision]
FACULTY OF FORESTRY: POST-GRADUATE PROGRAMS

Masters and Ph.D. (with thesis)

• 4 FIELDS OF STUDY
  • Forest Management & Ecosystem Science
  • Sustainable Recreation & Ecotourism
  • Wildlife Ecology & Management
  • Bio-resource & Technology

• FIELDS OF
  • Forest Biotechnology
  • Forest Botany
  • Forest Economics & Policy
  • Forest Engineering & Operation
  • Forest Silviculture
  • Recreation Resources Management
  • Urban Forestry
  • Wood Science & Technology
OBJECTIVE:
- Education (Labs & Extension)
- Research
FACULTY OF FORESTRY: NATURAL BEAUTY OF AHFR
FACULTY OF FORESTRY: SULTAN IDRIS SHAH FORESTRY EDUCATION CENTRE (SISFEC)
FACULTY OF FORESTRY: SISFEC

- 48-bed Hostel
- 12-bed Chalet
ECO-FRIENDLY INFRASTRUCTURE
- Off the ground
- Minimum damage
• Admin Building
• Lecture halls
• Labs
FACULTY OF FORESTRY: SISFEC
The Story Behind Faculty

The Faculty of Environmental Studies, Universiti Putra Malaysia, is established on 1st September 2004.

The Faculty developed from the Department of Environmental Sciences, Faculty of Science and Environmental Studies. The Department of Environmental Sciences at UPM was established in August 1976 under the Faculty of Science. With the entry of the new Department the Faculty of Science was renamed the Faculty of Science and Environmental Studies. In the same year the Bachelor of Environment programme was introduced. This degree is recognised as a professional degree by the Malaysian Public Services Department. It was the first environment programme in Southeast Asia.

The Faculty of Environmental Studies, Universiti Putra Malaysia, is the only academic body offering degrees in environmental science and management in Malaysia at the Bachelor, Masters and Doctoral levels. There are two Bachelor programmes, two Masters programme and one Doctoral programme offered. More information on these programmes may be found on the Academic Programmes pages.

The academic staff have a wide range of interests. Projects are carried out with members of other departments inside and outside the University. For example, there is long term cooperation with the Department of Environment, the Ministry of Health, the Ministry of Housing and Local Government, Local Authorities, and with international agencies such as the Japanese International Cooperation Agency (JICA) and the Japan Society for Promotion of Science (JSPS).
Bachelor of Environmental management:
- 4 years; 130 credits

Bachelor of Environmental Science & Technology
- 4 years; 130 credits
FACULTY OF ENVIRONMENTAL STUDIES: POST-GRADUATE PROGRAMS

- Master of Science
- Doctor of Philosophy (Ph. D.)
  - Environmental Pollution Control Technology
  - Environmental System and Processes
  - Environmental Analysis and Modeling
  - Environmental Hydrology and Hydrogeology
  - Environmental Economics
  - Environmental Planning and Management
  - Environmental Policy and Governance
  - Environmental Ethics
  - Environmental Education
- Master of Environment
  - Environmental Science
  - Environmental Management
UPM & UKM: DETAILED PROGRAMS

- UPM
  - FACULTY OF FORESTRY
  - FACULTY OF ENVIRONMENTAL STUDIES
    - Full pledge Courses on Climate Change
    - 1-2 lectures on Climate Change

- UKM
  - LESTARI
  - SERI
WAYS FORWARD

- TEACHING PARTS (OR ALL) MODULES
- RESEARCH GRANTS
- INTRODUCTION WORKSHOP TO OTHER TEACHING INSTITUTIONS
- COLLABORATION
CONCLUDE... Join us in singing this song
ACKNOWLEDGEMENTS

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