

# Bridging the Gap in EU Malaysia Links for Research and Innovation

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# General Remarks

## Trend towards globalization and competitive processes:

- Knowledge production – ‘discovery’ in the context of application and transdisciplinarity
- Knowledge production, application and dissemination – more international
- Knowledge production at universities – facilitates the creation of new knowledge and innovation

# General Remarks

## Expected roles of Universities

- Engines of economic development, human capital development and individual advancement
- Centre for science and technological research and innovation
- Create knowledge that fosters human creativity and common good through R&I

# Changing Scenario

## Universities, in Malaysian context:

- ❑ Establishment of Research Universities – UKM, UM, USM, UPM
- ❑ Internationalisation of higher education
- ❑ Moving towards apex and world class universities

## Research Universities:

- ❑ Function – generate intellectual capital, new knowledge and advance technology
- ❑ Participate effectively in knowledge-based economic development
- ❑ Develop knowledge-linking activities to enhance science and technology transfer and commercialization

# Malaysian Research Universities in Context

## Main goals of RU:

- A leader in innovation
- Enhance centres of excellence in strategic areas
- Produce world class research outputs, inc. high impact research publications
- Attract graduate students of high standards
- Create conducive environment for research and innovation

# Malaysian Research Universities in Context

## Major challenges of RU:

- ❑ Balance approach in fundamental, applied and technological research
- ❑ Practice integrative and collaborative research involving a multidisciplinary team
- ❑ Knowledge sharing and networking at national and international levels
- ❑ Integrally linked with international research networks as full partners

# RU Performance Indicators

## KPI

- Quantity and quality of researchers
- Quantity and quality of research
- Quantity and quality of postgraduates
- Innovation
- Technology transfers
- Networking and linkages
- Support facilities

# UKM Research Development Strategy

## Value Change for R&I

- Improve Inputs and Processes
- Managing Outputs

## Managing Outputs

- Knowledge Packaging
- Develop IP
- Competent Human Capital
- Enhance Outreach Programmes
- Improve Commercialisation

# Research Links

## Networks and Partnerships

- Research Collaboration and Partnership
- Staff and Postgraduate Attachments
- Joint supervision and publication

## National and International Outreach

- Dialogues/ Workshops/ Seminars
- Exhibitions
- Science and Technology Transfer
- Policy Advice

# Current EU Malaysia Collaborations

- Enhance Educational Links
- Global Networking between Higher Education Institutions
- Areas of Activities:
  - Human resource development
  - Curriculum development
  - Institutions and systems development
  - Research
- The Programmes:
  - Asia-Link
  - ASEAN-EU University Network Programme
  - Erasmus Mundus
  - 6<sup>th</sup> and 7<sup>th</sup> Framework
  - Asia Pro Eco

# The Gap

- ❑ **Building Educational Links and Institutional Capacity – limited R&I programmes**
- ❑ **Financial Support from EU countries – joint financial commitment**
- ❑ **Planning for complementary goals – Malaysian need within the global context**
- ❑ **R&I programmes – focused research activities; postgraduates and researchers exchange; joint supervision and joint publications**

# Challenges

- **Develop common goals**
- **Imbalanced financial commitment**
- **Imbalanced institutional and scholarly capacities**
- **Multi and Trans-disciplinary Research programmes**
- **The issue of sustainability**

# Malaysian Window

- ❑ Plan and develop programmes based on complementary goals
- ❑ Strategic partnerships – between universities and between countries
- ❑ Focus on research, innovation and scholarly development

# Building a Common Future

- ❑ **Earth – common spaceship – global community**
- ❑ **Earth natural resources – conservation and sustainable use**
- ❑ **Economic and social imbalance – long-termed economic partnerships**
- ❑ **Science and Technology sharing for common good**
- ❑ **Cultural diversity**

# The Way Forward

- ❑ **Joint workshops and seminars**
- ❑ **Integrating education related activities with research and innovation**
- ❑ **Create an office to coordinate the Malaysian Windows activity**
- ❑ **Set-up databases pertaining to research and innovation activities**

# Concluding Remarks

- **Bridging the gap for sustainable partnerships**
- **Strengthening and synergizing collaborations for mutual benefit**
- **Identifying complementary goals for the future**

TERIMA KASIH

XIE XIE

SHUKRAN

GRACIAS

MERCI

THANK YOU

DANKE SCHÖN

CÁM ÓN

TAK

TASHAKKUR

BEDANKT

GRATIA

KOP KUN KAH

DIOLCH

GRAZIE

SELAMAT

ARIGATO

KAMSAHAMNIDA

NANDRI

OBRIGADA

RAKHMAT

SPASIBO

GO RAIBH MILE MAITH AGAIBH



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