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Oct 27th, 1:15 PM

### Panel Discussion 3 | Open Educational Resources: Involvement of libraries and LIS professionals

Khasiah ZAKARIA  
*University of Malaya*

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ZAKARIA, Khasiah. Panel Discussion 3 | Open Educational Resources: Involvement of libraries and LIS professionals. (2021). COAR Asia OA Meeting 2021. .

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# OPEN EDUCATIONAL RESOURCES: INVOLVEMENT OF LIBRARIES AND LIS PROFESSIONALS

**KHASIAH ZAKARIA PhD**  
**UNIVERSITY OF MALAYA LIBRARY**  
**October 27 – 28, 2021**

# **TOPIC :**

## **WHAT YOU SEEK IS SEEKING YOU: OER IN MALAYSIAN LIBRARIES**

- 1. The aspect of libraries and librarians roles in OER.**
- 2. Librarians awareness on OER**
- 3. Challenges of OER use and integration in libraries**
- 4. OER integration and promotional strategies in libraries**
- 5. Dexterity, agility and resiliency of Librarian**

## Malaysian higher Education Blueprint 2015– 2025

## The 10 Shifts



**Pelan Pembangunan Pendidikan Malaysia 2015-2025**  
(Pendidikan Tinggi)

**KEMENTERIAN PENDIDIKAN MALAYSIA**



# Brief Profile of Research Universities in Malaysia

	<b>STUDENT POPULATION</b>	<b>ACADEMICIAN</b>	<b>FACULTY</b>	<b>PROGRAM</b>
<b>UNIVERSITI MALAYA</b>	<b>14,749 (UG) 9,714 (PG)</b>	<b>2,244</b>	<b>24</b>	<b>200</b>
<b>UNIVERSITI SAINS MALAYSIA</b>	<b>21,333 (UG) 10,694 (PG)</b>	<b>2,108</b>	<b>42</b>	<b>532</b>
<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	<b>16,835 (UG) 12,636(PG)</b>	<b>2,038</b>	<b>27</b>	<b>541</b>
<b>UNIVERSITI UTARA MALAYSIA</b>	<b>25,676 (UG) 5,057 (PG)</b>	<b>1,225</b>	<b>21</b>	<b>243</b>
<b>UNIVERSITI PUTRA MALAYSIA</b>	<b>18,086 (UG) 11,801 (PG)</b>	<b>1,623</b>	<b>16</b>	<b>149</b>

# DEFINITIONS OF OERS (OECD, 2007)

The term open educational resources (OER) first came into use at a conference hosted by UNESCO in 2002, defined as **“the open provision of educational resources, enabled by information and communication technologies, for consultation, use and adaptation by a community of users for noncommercial purposes”** (John stone, 2005).

The definition of OER (OECD, 2007) now most often used is: **“Open educational resources are digitized materials offered freely and openly for educators, students and self-learners to use and reuse for teaching, learning and research”**.

# OER & SDG-UNESCO

**4** QUALITY  
EDUCATION



**5** GENDER  
EQUALITY



**17** PARTNERSHIPS  
FOR THE GOALS

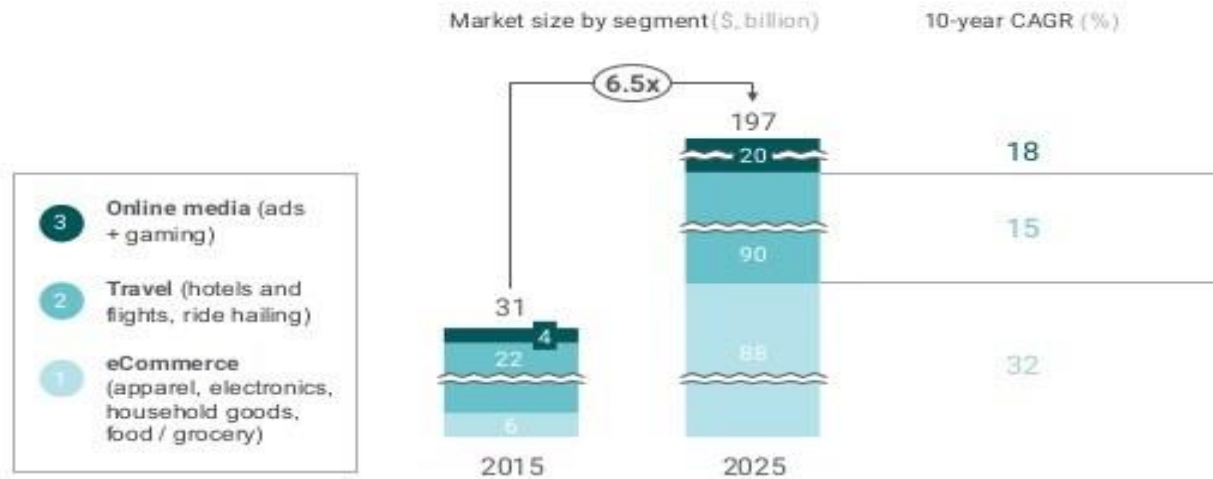


- ASEAN is the fastest growing Internet market in the world.
- With 125,000 new users coming onto the Internet every day- estimated \$1 trillion to regional GDP over the next ten years.

Google | WANI

## The internet economy in SEA is expected to reach ~ \$200 billion by 2025 (6.5x increase over 10 years)

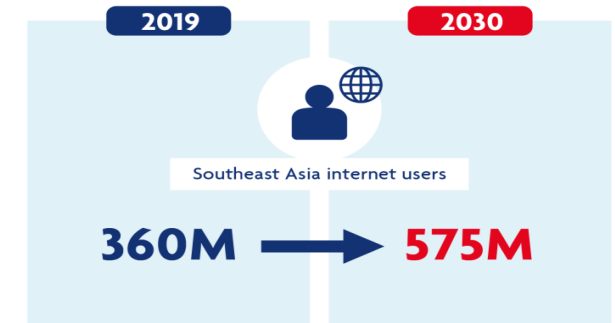
eCommerce and Travel to make up >90% of total online retail spend in 2025



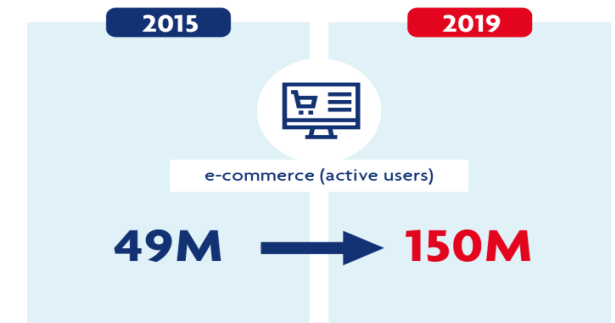
SOURCE: WorldBank, Temasek, Phocuswright, Candys, Government websites, Team analysis

9

### ASEAN's expanding digital economy



Source: Future of Consumption in Fast-Growth Consumer Markets: ASEAN, World Economic Forum

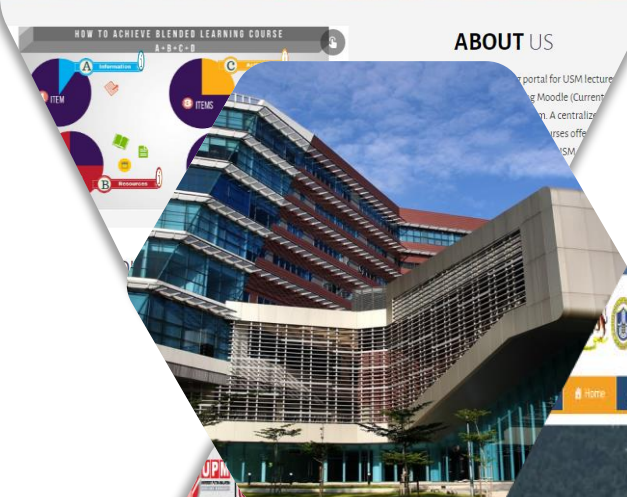
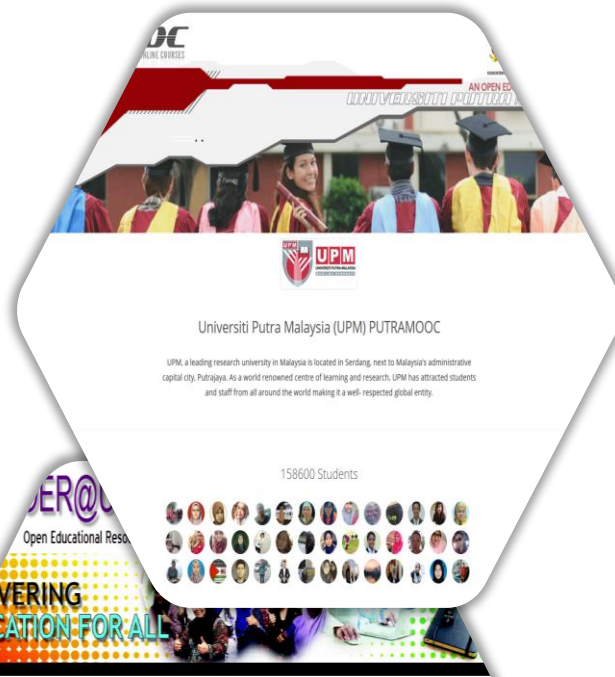


Source: Google, Temasek and Bain & Company





**THE ASPECT OF LIBRARIES AND LIBRARIANS ROLES IN OER**



# Learning/Teaching methods implemented at includes:

- Blended Learning
- Online Learning
- Action Learning
- Experiential Learning
- Problem-Based Learning
  - E-Learning
- Student Centered Learning
  - Conventional
- E-learning and blended learning
  - Conventional

## RESEARCH INFORMATION PLATFORM



- **Open Science** Initiative & Program
- National Open Access Initiative & Policy
- **Research Data Management** (Data Steward, Data Management Plan, etc.)
- Develop **Research Support Values & Index**
- Expand **Research Capacities** via Support Trainings
- Provide **Embedded Librarian** in Research Universities
- **Institutional Repository** (Published & unpublished resources)

## CURRENT RESEARCH INFORMATION DELIVERY



- Provide **adequate, relevant and current information resources** to support research and consultations
- Strengthen Research University Library **facilities, services and collections.**
- Consolidate **Profiling** (eg. USM/UM Expert, UTM Scholars etc)

## KNOWLEDGE OUTREACH



- Facilitate Open Distance Learning with **Open Educational Resources** and **Online Resources** (MOOCs, Micro-Credentials, YouTube Channel, etc.)
- **National & International Network** (PERPUN, AUNIL0, ERASMUS, etc.)
- **Community Engagement** with Local Agencies/NGOs/Start Ups
- Support **SDG** (SDG 11, etc)

# SCHOLARLY HUB & RESEARCH SUPPORT INITIATIVES

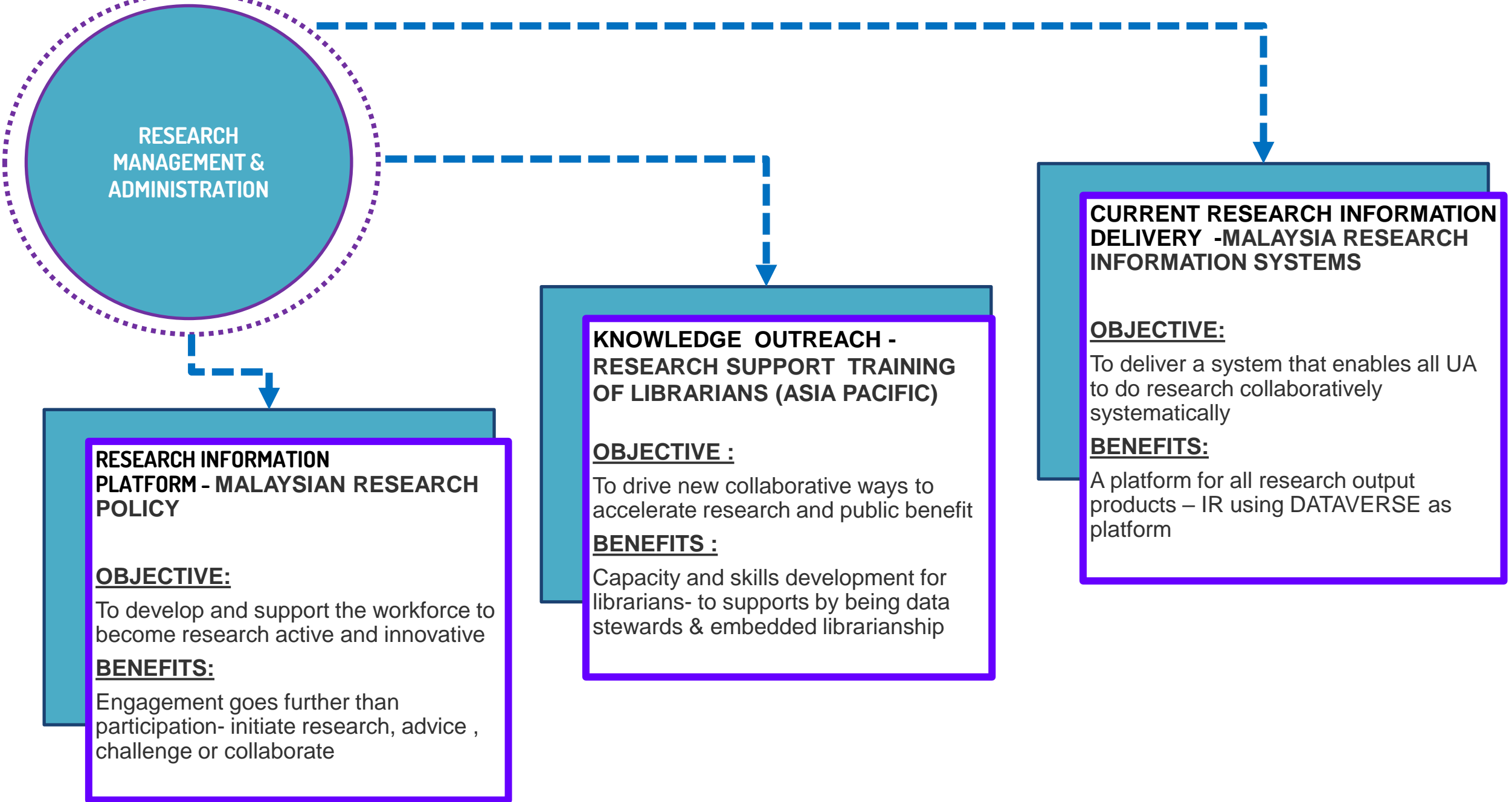
THEME 1 REFERS TO A NEED FOR GOVERNMENT TO RECOGNISE THE IMPORTANCE OF PROVIDING RESEARCH LEADERSHIP

THEME 2 REFERS TO A NEED FOR RESEARCH LEADERSHIP IN INSTITUTIONS.

THEME 3 REFERS TO A NEED FOR MANAGEMENT TO SUPPORT RESEARCH LEADERSHIP

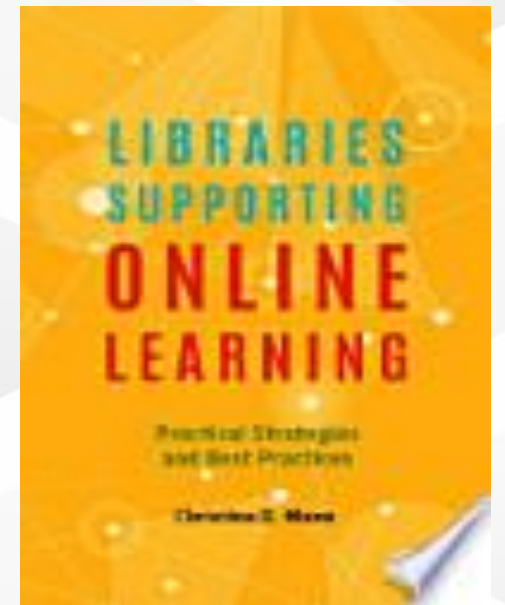
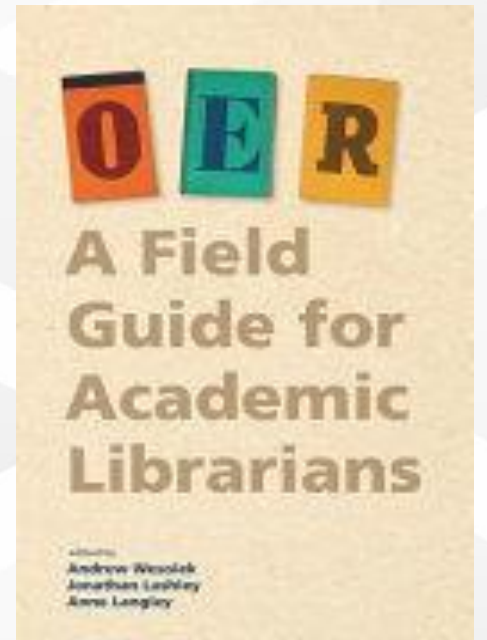
THEME 4 REFERS TO A NEED FOR THE DEVELOPMENT OF LEADERSHIP OF RESEARCHERS WITHIN INSTITUTIONS

THEME 5 REFERS TO THE PROVISION BY MANAGEMENT OF SUPPORT TO THE LEADERSHIP OF RESEARCHERS



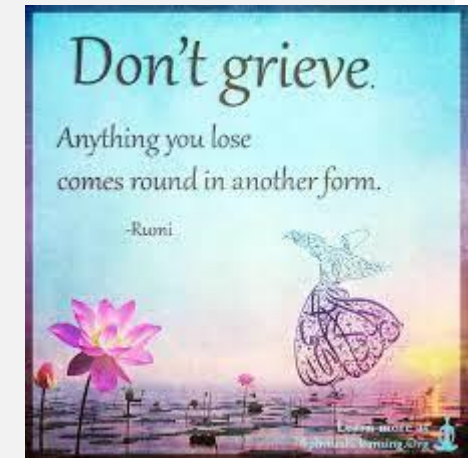
# THE ASPECT OF LIBRARIES AND LIBRARIANS ROLES IN OER

1. Understand how you help evaluating services to online learners
2. Help them find what they need- making resources discoverable, shareable, affordable
3. Creating community- by subjects , tribes, by companies, by habits
4. Help them connect - by peers, by community by habits
5. Help them to help themselves – information and digital literacy for online learners



## LIBRARIANS AWARENESS ON OER

- Types of OER : syllabi, lesson plans, learning modules, lab experiments, simulations, course videos, discussion prompts, assignments, assessments, library guides, and course design templates.
- Is OER the same as e-learning? OER is not the same with online learning or e-learning, although many people make the mistake of using the terms interchangeably. Openly licensed content can be produced in any medium: paper-based text, video, audio or computer-based multimedia.



# CHALLENGES OF OER USE AND INTEGRATION IN LIBRARIES



	LEARNING & TEACHING
UNIVERSITI MALAYA	E-learning and blended learning; Conventional Open Access Databases (Interaktif Portal), Open Access Repositories (Research, Students, Common Repository), Open Source Softwares (Omeka, KOHA, Eprints)
UNIVERSITI SAINS MALAYSIA	Blended Learning, Online Learning, Action Learning, Experiential Learning, Problem-Based Learning, E-Learning, Student Centered Learning, Conventional
UNIVERSITI KEBANGSAAN MALAYSIA	Open Resource Initiatives (ORI@UKM), MOOC (Massive Open Online Courses) and Blended Learning
UNIVERSITI UTARA MALAYSIA	<p><b>Course Delivery Method:-</b></p> Traditional Lecture, Tutorial, Practical, Active Learning, Collaborative Learning, Inquiry Based Learning, Cooperative Learning, Problem Based Learning, Peer Led Team Learning, Inquiry Guided Learning, Just In Time Learning, Small Group Learning, Project Based Learning, Question Directed Instruction, Case Study, Web Tool (F2F), Online Learning, Assessment, Online Assessment
UNIVERSITI PUTRA MALAYSIA	Blended Learning, E-Learning, PutraMOOC – Open Learning, Putra Open CourseWare, Problem Based Learning

# OER INTEGRATION AND PROMOTIONAL STRATEGIES IN LIBRARIES



	ROLE OF THE LIBRARY
<b>UNIVERSITI MALAYA</b>	Open Access Databases (Interaktif Portal), Open Access Repositories (Research, Students, Common Repository), Open Source Softwares (Omeka, KOHA, Eprints)
<b>UNIVERSITI SAINS MALAYSIA</b>	Online Course Reserves, Open Education Resources (Open Textbooks, Open Courses, Open Access Journals, etc.), Open Source Softwares
<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	Promoting and encouraging usage of OER in information literacy classes, social media, reference services, providing open access resources through library portal
<b>UNIVERSITI UTARA MALAYSIA</b>	Open Learning (MOOC), UUM eJournals, Online Learning (open resources shared by lecturer), Public Accessible Library
<b>UNIVERSITI PUTRA MALAYSIA</b>	Online Course Reserves, Open Access Journals, Open Source Softwares – KOHA, UPM IR, AGRIS, MyAGRIC, eGallery Memory@Serdang, e-Learning Portal



# INITIATIVES, PLANS, EXPERIENCES, AND INNOVATIONS



## INITIATIVES, PLANS, EXPERIENCES, AND INNOVATIONS

### UNIVERSITI MALAYA

- Information Literacy workshops - 2 credit hour
- Information Literacy – Micro credential
- Malaysiana collection
- Self archiving by researchers,
- Online User Education, Webinar,
- Research Support Tools

### UNIVERSITI SAINS MALAYSIA

- Information Literacy workshops,
- Information Literacy MOOC,
- Online User Education, Webinar,
- Research Support Tools

### UNIVERSITI KEBANGSAAN MALAYSIA

- Introduce Online User Education (Online Tutorial),
- Provide list of open access e-journals, e-books, e-thesis in library portal,
- Developed UKM journal repository using Open Source Software

### UNIVERSITI UTARA MALAYSIA

- Information Literacy and User Education Workshops,
- Research Support Tools.
- Compile list of free open access e-journals, e-books, e-thesis in library website.
- Develop and maintain MALRep & MALCat for public access.

### UNIVERSITI PUTRA MALAYSIA

- Online User Education
- Research Information Hub
- Subject Guides
- AGRI@UPM

# OPPORTUNITIES AND CHALLENGES



	OPPORTUNITIES	CHALLENGES
<b>UNIVERSITI MALAYA</b>	<ul style="list-style-type: none"> <li>• Collaboration</li> <li>• Networking</li> <li>• Skill Upgrade for Librarians and Support Staffs</li> <li>• Upgrade of Library Info structure to accommodate open learning object (OER).</li> </ul>	<ul style="list-style-type: none"> <li>• Determination of the resources quality</li> <li>• Sustainability of resources</li> <li>• Technical support</li> <li>• Infrastructure &amp; upgrading of ICT facilities</li> </ul>
<b>UNIVERSITI SAINS MALAYSIA</b>	<ul style="list-style-type: none"> <li>• Skill Upgrade for Librarians and Support Staffs</li> <li>• Upgrade of Library Infrastructure (Info Commons, Learning Space, ICT facility etc.)</li> </ul>	<ul style="list-style-type: none"> <li>• IT facility (Maintaining current equipment),</li> <li>• Infrastructure (DIY)</li> <li>• Infostructure (Open Source)</li> </ul>
<b>UNIVERSITI KEBANGSAAN MALAYSIA</b>	<ul style="list-style-type: none"> <li>• More free accessible e-resources can be offered to users</li> <li>• librarians and support staffs gain experience with changing technologies</li> </ul>	<ul style="list-style-type: none"> <li>• Uncertainty in ongoing maintenance of OER</li> <li>• Determination of the resources quality</li> <li>• Sustainability of resources</li> <li>• Technical support</li> </ul>
<b>UNIVERSITI UTARA MALAYSIA</b>	<ul style="list-style-type: none"> <li>• Skill Upgrade for Librarians and Support Staffs</li> <li>• Upgrade of Library Infostructure to accommodate open learning object (OER).</li> </ul>	<ul style="list-style-type: none"> <li>• Need to increase 'Knowledge Sharing Culture' among community</li> <li>• Encourage submission of learning object to OER system.</li> </ul>
<b>UNIVERSITI PUTRA MALAYSIA</b>	<ul style="list-style-type: none"> <li>• Upgrade skills and knowledge</li> <li>• Upgrade Library Facilities and Services</li> <li>• More free accessible e-resources can be offered to users</li> </ul>	<ul style="list-style-type: none"> <li>• Copyright and ownership issues</li> <li>• Budget Constraint</li> <li>• Maintain the quality of the resources</li> </ul>

## Dexterity, agility and resiliency of Librarian

- Open Access Databases (Interaktif Portal),
- Open Access Repositories (Research, Students, Common Repository),
- Open Source Software (Omeka, KOHA, Eprints)
- Open Learning (MOOC)
- Online Learning (open resources shared by lecturer)
- Public Accessible Library
- Online Course Reserves
- Open Education Resources (Open Textbooks, Open Courses, Open Access Journals, etc.)



# Recommendations : Towards National Policy Guidelines on Open Educational Resources in Malaysia(2017)

## • First Priority: Awareness Raising

- If OER are to contribute to increasing access to and sharing of knowledge and resources in Malaysia, it is crucial that all contributing parties — from policy and decision makers at all levels, to teachers and academics — be made aware of OER's potential, so that they will be able to make informed decisions on whether and how OER can be used in their local situation. Raising awareness of OER and their attendant issues must be the primary goal of the designated spearheading institution, as it is clear that continuing and concerted awareness raising actions must be a priority.

## • Second Priority: Communities and Networking

- The strength of the OER community and the continuing adherence of its members underline the importance of this type of national forum for discussion and information sharing. Building and supporting such a community should be centralized: as a laboratory of ideas and a clearinghouse, a standard setter, a capacity builder at all levels and in all organizations, and a catalyst for national (and, in the future, international) co-operation.

## • Third Priority: Developing Capacity

- Individuals and institutions interested in creating or adapting and reusing OER are in need of support to help them develop their own capacity to do so. The interactions of a community focused on the elaboration of a “do-it-yourself/do-it-together” resource would serve this function. Such a resource was seen as particularly important to promote OER creation and use in Malaysia. In this context, the development of the content will be value-added, with elements of tagging to facilitate for a more rigorous search mechanism to locate OER.

## • Fourth Priority: Quality Assurance

- If the OER movement is to take hold widely, the resources must be — and be seen to be — of high quality. When information is taken from websites worldwide, the user often lacks a frame of reference for determining the quality of the information being accessed. The OER movement would benefit from an exploration of current international quality-assurance mechanisms and general guidelines and, potentially, from linking with existing quality assurance agencies.



Thanks

