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COAR Asia OA Meeting 2021

Oct 25th, 2:55 PM

Open Science Initiative @ USM

Mohd Kamal MOHD NAPIAH
Universiti Sains Malaysia

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Open Science Initiative@USM

COAR ASIA OA MEETING 2021
25 October 2021

Mohd Kamal Mohd Napiah
Research Support Division
Universiti Sains Malaysia Library

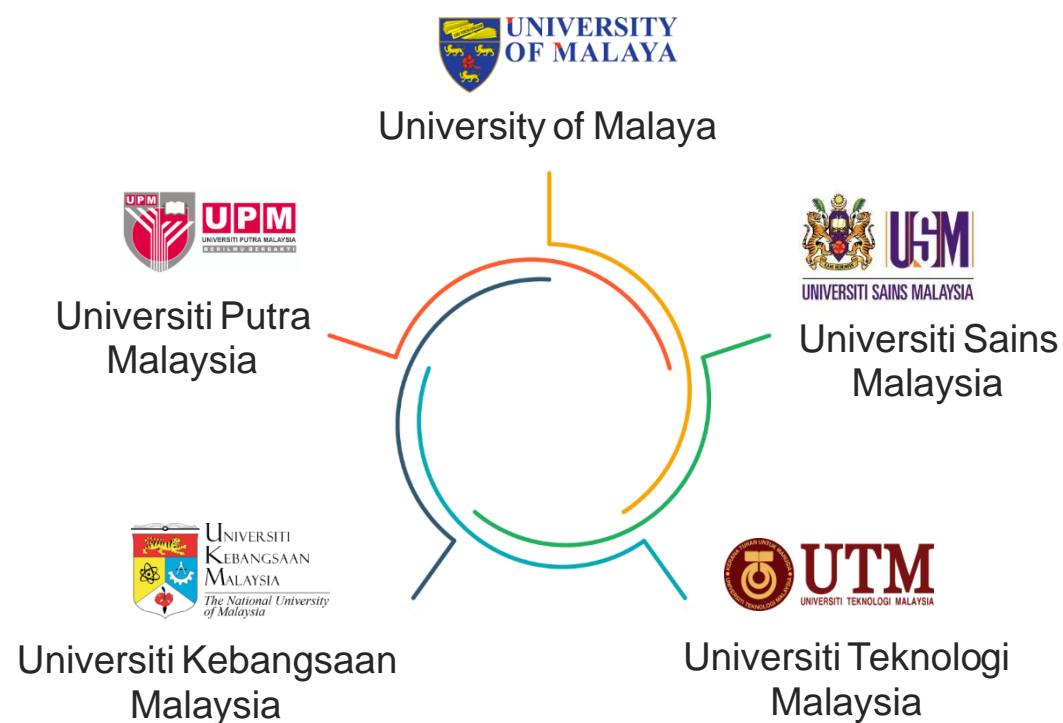
We lead | *Kami Memimpin*

www.usm.my

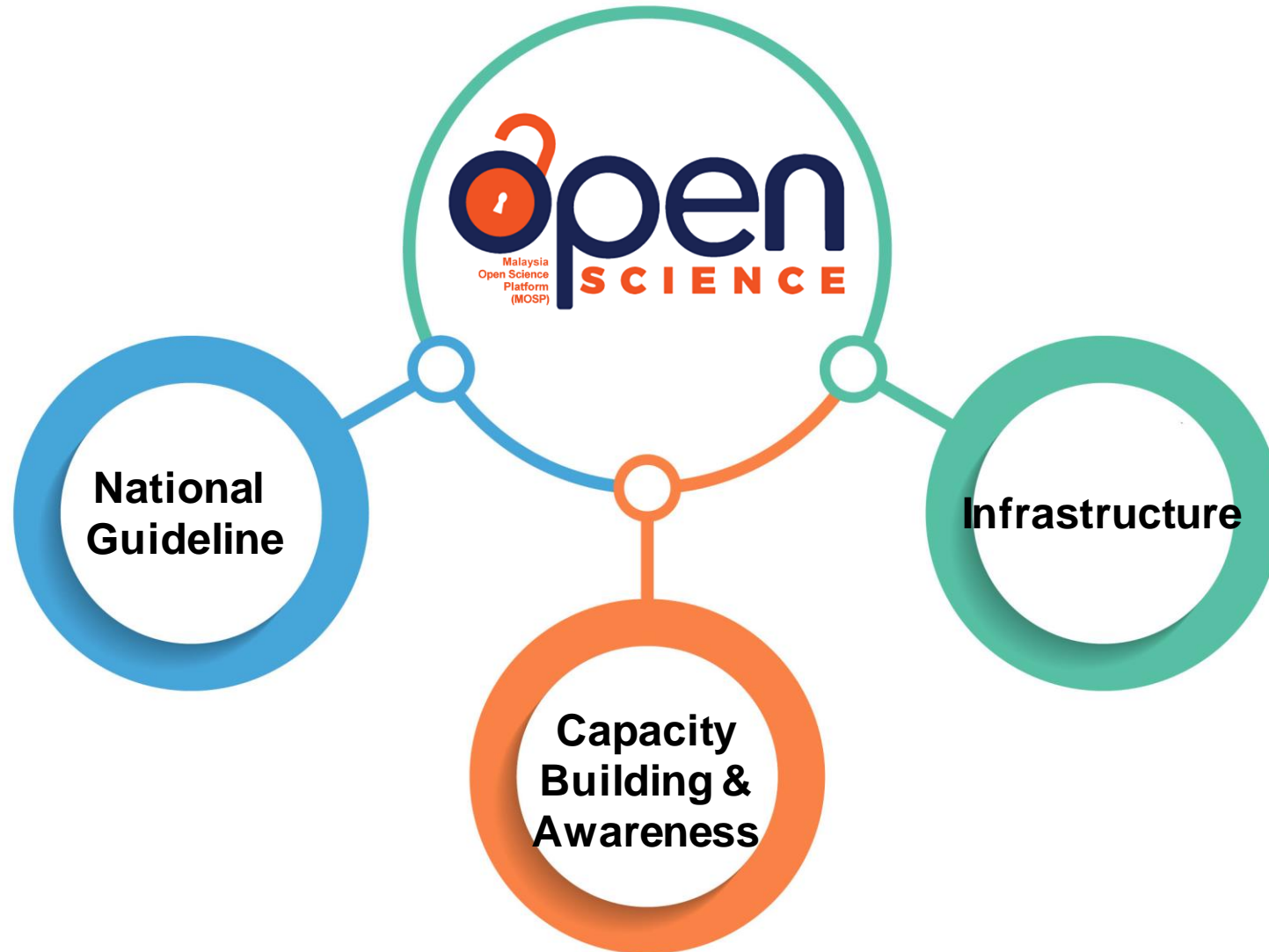
Malaysia Open Science Alliance

1. Academy of Sciences Malaysia (ASM)
2. Ministry of Science, Technology and Innovation – Malaysia Science and Technology Information Center (MASTIC)
3. Malaysian Administrative Modernisation and Management Planning Unit (MAMPU)
4. Ministry of Health Malaysia (MOH)
5. Malaysia Research University Network (MRUN)
 - i. University of Malaya
 - ii. Universiti Sains Malaysia
 - iii. Universiti Teknologi Malaysia
 - iv. Universiti Kebangsaan Malaysia
 - v. Universiti Putra Malaysia
6. International Science Council Regional Office for Asia and the Pacific (ISC ROAP)

Pilot Initiative: Linking Platform for sharing of Research Data



MOSP Focus Areas



TARGETS:

1. To develop one Landscape Study on Open Science in Malaysia
2. To develop one National Guidelines on Open Science
3. To train 200 data stewards by 2021
4. To reach 500,000 people and raise awareness about Open Science
5. To develop and execute one Platform for raw research data sharing by 2021

NATIONAL OPEN SCIENCE WORKING COMMITTEE FROM USM



Professor Dr.
Rosni Abdullah
(Division of
Academic &
International),
Member of
Malaysia Open
Science Alliance



Dr. Nasuha Lee
Abdullah (School of
Computer Science),
Member of Working
Group on Policy &
Guidelines



Dr. Wong Li Pei
(School of
Computer
Science), Member
of Working Group
on Infrastructure



Mr Akmal Ahmat
(Library), Member
of Working Group
on Capacity
Building &
Awareness

NATIONAL OPEN SCIENCE INSTRUCTOR FROM USM



Mr Akmal Ahmat
(Library), Instructor
For Training Of
Trainers On Data
Stewardship For
Open Science



Mr Mohd Ikhwan
Ismail (Library),
Instructor For
Training Of Trainers
On Data
Stewardship For
Open Science



Mr Abdul Hafiz Abdul
Hadi (Research
Creativity &
Management Office),
Instructor For Training
Of Trainers On Data
Stewardship For
Open Science

USM OPEN SCIENCE CONSULTANTS & DATA STEWARDS



NAME	DEPARTMENT	NAME	DEPARTMENT
Dr. Muaz Mohd Zaini Makhtar	School of Industrial Technology (PPTI)	Mr. Mohd Kamal Mohd Napiah	Library
Ms. Eliza Md Rasid	Institutional Planning & Strategic Center (IPSC)	Mrs. Cik Ramlah Che Jaafar	Library
Mrs. Nor Dyana Zakaria	Institute for Research in Molecular Medicine	Mr. Nor Azan Ibrahim	Library
Ms. Nor Suhada Anuar	Institute for Research in Molecular Medicine	Mr. Shahriza Fadly Misaridin	Library
		Mr. Meor Mohd Arafat bin Mohamad Shahini	Library
		Mrs. Noor Adilah Azmi	Library



OPEN SCIENCE ToT-certified by ASM-MOSTI

Get Certified

This course is part of the Data Stewardship for Open Science.



Data Stewardship for Open Science

Academy of Sciences Malaysia and the Malaysia Open Science Alliance Working Group on Capacity Building and Awareness organize the Training of Trainers Programme on Data Stewardship for Open Science with the objective to train future data stewards who will have the competencies and expertise in data stewardship for Open Science.

Your Courses



Malaysia Open Science Platform

Part 1: Open Science Skills

To train and equip future data stewards with competencies and expertise in data stewardship for Open Science

👤 69 Students



Malaysia Open Science Platform

Part 2: Data Stewardship


The aim of this programme is to equip future data stewards with competencies and expertise in data


👤 60 Students

OPEN SCIENCE ToT-certified by ASM-MOSTI



 Malaysia Open Science Platform
Part 1: Open Science Skills

Openlearning Search EN 5+ 

 1 You are Awesome!

Module 1: Fundamentals of Open Science

Module 2: Research Governance and Research Data Management



Module 3: Open Data



Module 4: Open Metrics and Analytics

Module 5: Open Access in Scholarly Communication



Module 6: Responsible Open Science: Ethics and Integrity




Module 7: Citizen Science

Module 7 - Learning Outcome 3 Completed: 2 of 2  

Lecture Quiz and Assignment M7-LO3


Module 7 - Learning Outcome 4 Completed: 3 of 3  

Lecture Forum Discussion M7-LO4 Group Assignment M7-LO4 Online


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 Malaysia Open Science Platform
Part 2: Data Stewardship

- Module 1: Data Stewardship Core >
- Module 2: Data Quality for Data Stewards >
- Module 3: Data Governance for Data Stewards >
- Module 4: Metadata Management for Data Stewards >
- Module 5: Master Data Management for Data Stewards >
- Discussion
- Course Feed

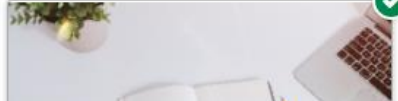

Module 1 - Learning Outcome 3 Completed: 3 of 3

Lecture (a) 

Lecture (b) 

M1_LO3_Quiz & Assignment 

Module 1 - Learning Outcome 4 Completed: 2 of 2

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RDM | Open Science | Malaysia Research Assessment (MyRA)

Website

← → ↻ rdmusm.wordpress.com ☆ 🔍 EN SC 📄 ⚙️ 📄 📄 📄 📄 📄 📄

📄 Apps 📄 Essential Publishing... 📄 PHS 📄 HC Helping researchers... 📄 W How Can Librarians... 📄 Research Tools@US... 📄 tawk.to | Dashboard 📄 um registration 📄 Akademi Sains Mal... 📄 Dashboard Scopus

📄 My Sites 📄 Reader 📄 Write 📄 📄

MANAGING RESEARCH DATA

Research Support Division USM Library

HAMZAH SENDUT

HOME / ABOUT ▾ / GUIDELINES ▾ / RDM REPOSITORIES ▾ / RDM TOOLS ▾ / TRAINING ON RDM ▾ / JOURNAL LIST ▾

WHAT IS zenodo

Zenodo is a general-purpose open-access repository developed under the European OpenAIRE program and operated by CERN. It allows researchers to deposit research papers, data sets, research software, reports, and any other research related digital artifacts. For each submission, a persistent digital object identifier (DOI) is produced, which makes the stored items easily citable.

WHY USING ZENODO?

- 1 SAFE**
Your research is stored safely for the future in CERN's Data Centre for as long as CERN exists.
- 2 TRUSTED**
Built and operated by CERN and OpenAIRE to ensure that everyone can join in Open Science.
- 3 CITEABLE**
Every upload is assigned a Digital Object Identifier (DOI), to make them citable and trackable.
- 4 NO WAITING TIME**
Uploads are made available online as soon as you hit publish, and your DOI is registered within seconds.
- 5 OPEN OR CLOSED**
Share e.g. anonymized clinical trial data with only medical professionals via our restricted access mode.
- 6 VERSIONING**
Easily update your dataset with our versioning feature.
- 7 GITHUB INTEGRATION**
Easily preserve your GitHub repository in Zenodo.
- 8 USAGE STATISTICS**
All uploads display standards compliant usage statistics

ZENODO FEATURES

- | | | |
|--|---|--|
| All Research. Shared
Research outputs from across all fields of research are welcome | Citeable.Discoverable.
Upload easily and uniquely citeable and supports harvesting of all content via the OAI-PMH protocol. | Communities
Allows you to create your own collection and accept or reject uploads submitted to it |
| Safe
Using CERN's battle-tested repository software Invenio, | Reporting
Integrated into reporting lines for research funded by the European Commission via OpenAIRE. | Flexible Licensing
One size does not fit all. Therefore, we allow for uploading under a variety of different licenses and access levels* |

Source: <https://help.zenodo.org/features>

RESEARCH SUPPORT DIVISION

rdm@usm.my & 04653375/5376

WHAT IS RDM?

Research Data Management (RDM) covers the planning, collecting, organising, managing, storage, security, backing up, preserving, and sharing your data and ensures that research data are managed according to legal, statutory, ethical and funding body requirements (Whyte, A. & Tedds, J., 2011).

RDM Life Cycle



Source: The University of California, Santa Cruz, Data Management LibGuide

STORAGE



CLOUD STORAGE

Cloud storage is a term that refers to online space that you can use to store your data.



- ONE DRIVE
- GOOGLE DRIVE



REPOSITORY@USM

Universiti Sains Malaysia Institutional Repository (USMIR) is an online storage system that increase the interoperability, accessibility and visibility of scholarly materials.



LOCAL STORAGE SOLUTIONS

PI workstations, lab/project server, CDs, USB drives, portable hard drives, etc.



FREE TOOLS

- SafeHouse (Windows only, but good for portable USB devices)
- TrueCrypt
- GnuPG

WHAT IS FIGSHARE?

figshare is a web-based interface designed for academic research data management and research data dissemination. It accepts all file types (with in-browser viewing).

figshare allows users to upload any file format to be previewed in the browser so that any research output, from posters and presentations to datasets and code, can be disseminated in a way that the current scholarly publishing model does not allow

figshare features

- Upload files up to 5 GB
- 20 GB of free private space
- Unlimited public space
- Get a DOI for your work
- Upload any file format
- Accessible anywhere
- Collaborative spaces
- Private link sharing
- Reserve a DOI
- Collections
- Desktop uploader
- Use the figshare API

figshare PROVED TO BE A GOOD IDEA. SINCE 2012 figshare HAVE OFFERED...

26 MILLION + 7.5 MILLION +
page views downloads
2 MILLION + 5,000 + 800,000 +
articles projects user uploads
500,000 +
collections

The process for uploading
through
My data
is documented below:



Select the **+Create a new item** button from the top left (or just drag and drop your file into the browser).



Insert a Title.
Tips on how to fill out each of the fields can also be found on the right side of the screen.



Add Authors.
You can rearrange the order in which the authors appear and remove yourself as an author if you are uploading on behalf of someone.



Select a Category.
You can choose more than one and either select from the drop-down menu or search for your subject area.



Select the **Item type** from the drop-down menu. We accept any file type and preview over 1,200 file extensions in the browser.



Add Keyword(s).
These should be more specific than the category and help others find your research. Add as many keywords as you want - just hit enter after each keyword.



Write a Description.
This should include any relevant information that pertains to your research - this might include information about the methodology, approval for data collection, or legal or ethical requirements.



Select a License.
This will determine how others can reuse your data.

DATA MANAGEMENT PLAN (DMP)

Download your DMP here:



A Data Management Plan (DMP) is a tool that makes you carefully think about your data collection process. DMP helps you to :

Keep track of your research progress more efficiently



Easily find and understand the data you created earlier



Prepare your research data for future use

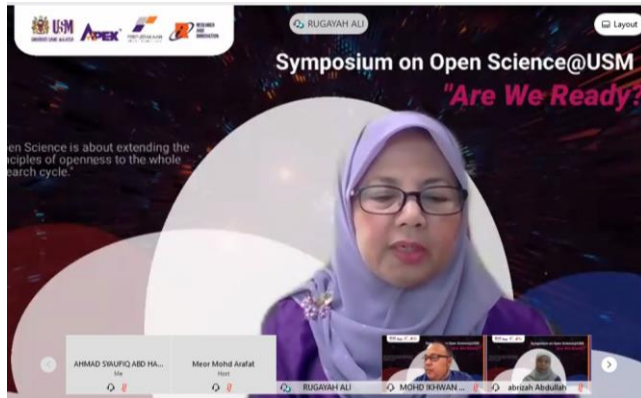


Comply with ethical guidelines, and institutional, funder and journal requirements



Research Data Management Unit

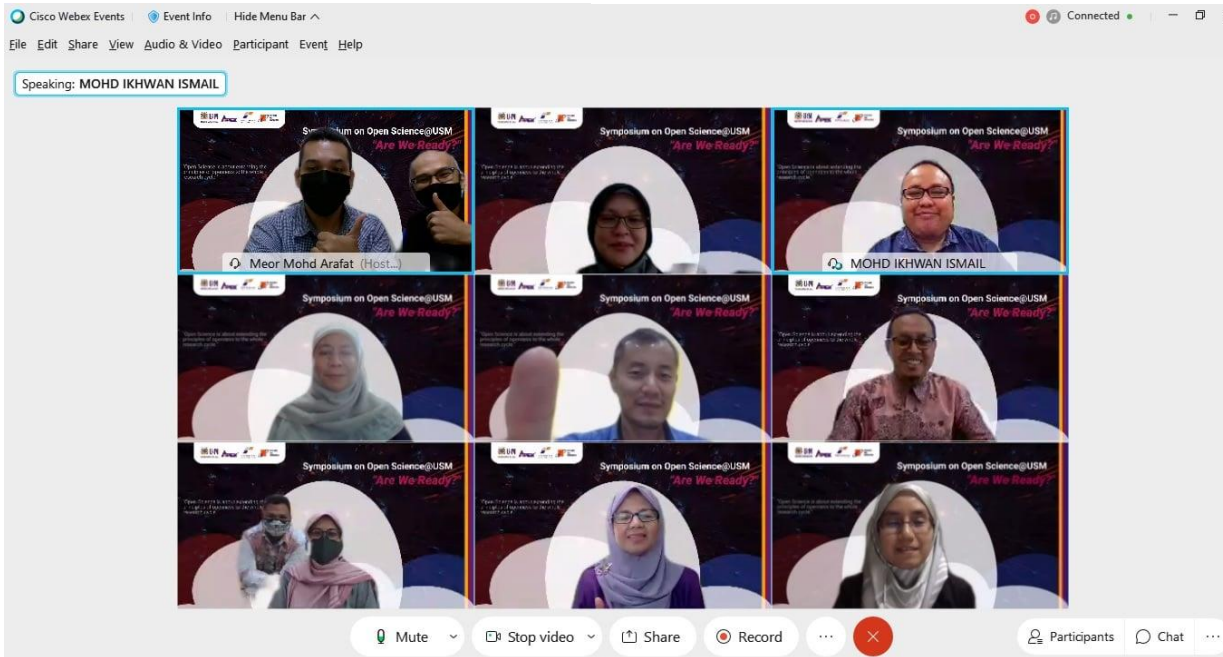
Awareness Program – Symposium on Open Science@USM



Open Science:
Why should we care?

Abrizah Abdullah
University of Malaya

Symposium on Open Science@USM - Are We Ready?
4 March 2021
Universiti Sains Malaysia

KEYNOTE ADDRESS



PROF. DATO' IR. DR. ABDUL RAHMAN MOHAMED
Deputy Vice Chancellor Research & Innovation, USM

PRESENTERS



PROF. DR. ABRIZAH ABDULLAH
Malaysia Open Science Platform



DR. NURZATIL SHARLEEZA MAT JALALUDDIN
Malaysia Open Science Platform



MR. MOHD KAMAL MOHD NAPIAH
Perpustakaan Hamzah Sendut

"Open Science: Why Should we care?"

"Malaysia Open Science Platform"

"Library Services in Supporting Open Science Initiative"

Organized by Perpustakaan Hamzah Sendut in collaboration with Research Creativity and Management Office (RCMO), this symposium aims to fostering awareness and supporting open research practices as well as promoting data sharing practices among USM researchers.

It will be a platform for knowledge sharing and exposure related to the introduction to open science practices by speakers from the Academy of Sciences Malaysia and Perpustakaan Hamzah Sendut.

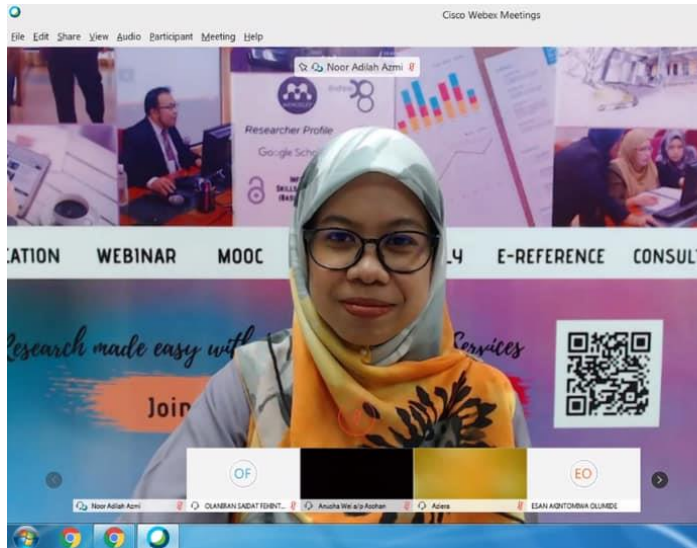
THURSDAY / 4th MARCH 2021
9 AM - 12 NOON
ONLINE / WEBEX

Registration can be done via URL below or use the QR Code NOW!



<http://tinyurl.com/OSUSM2021>

Awareness Program - Webinar



USM APEX
UNIVERSITI SAINS MALAYSIA

MyPHT 2020
Connect. Discover. Inspire!
Library Research Made Easy 1

Mrs. Cik Ramlah Che Jaafar
Head of Research Data
Management Unit
Perpustakaan Hamzah Sendut
Universiti Sains Malaysia
Pulau Pinang

PERPUSTAKAAN
LIBRARY (Universiti Sains Malaysia)
PERPUSTAKAAN HAMDAN TAHIR

Prof Dr. Irfan Mohamad
Dept. of Otorhinolaryngology –
Head and Neck Surgery
(ORL-HNS)
School of Medical Sciences
USM Health Campus

WEBINAR TOPICS:

- 1** Clinical Case Report Publication 1.0: Tips & Tricks
12 Oct 2020 (Monday)
11.00 am - 12.00 pm
- 2** Clinical Case Report Publication 2.0: The 14 Avoidable Mistakes
13 Oct 2020 (Tuesday)
11.00 am - 12.00 pm
- 3** Clinical Case Report Publication 3.0: Manuscript Revision & Reply to Reviewers
14 Oct 2020 (Wednesday)
11.00 am - 12.00 pm
- 4** Research Data Management and MyRA @ USM
15 Oct 2020 (Thursday)
9.00 am - 10.00 am

Contact us: azurah@usm.my /ext: 1478
amrankck@usm.my /ext: 1468

Register Online: 

<http://tiny.cc/b0xtsz>

OPEN ACCESS PUBLICATION

Open-access (OA) literature is digital, online, free of charge, and free of most copyright and licensing restrictions

What You Will Learn?

- Overview of Scholarly Publishing
- Overview of Open Access
- Open Access tools and resources
- Identify high quality Open Access journals
- Develop OA journals checklist

Research Support Training@Library
register online now at
www.lib.usm.my - Research Support Training

Awareness Program - Webinar



Research Data Management Workshop



Date: 27 May 2021 (Thursday)

Time: 10 AM - SGT

Awareness Program - Webinar

WILEY

Webinar: Data Management Tools for Researchers

Speaker: Dr. Christina Cho, Yale University

Date & Time: 13 July, 9am SGT

[Register now](#)



Awareness Program - Webinar



OPEN SCIENCE WEBINAR SERIES

Librarian roles in supporting Open Science and Research Data Management: Leiden University's experiences

10 JUNE 2021 | 3 PM



SPEAKER

JOANNE YEOMANS
DIGITAL SCHOLARSHIP LIBRARIAN
LEIDEN UNIVERSITY LIBRARIES
NETHERLANDS

Live Streaming via



USM Library TV



phsusm

*e-certificate (all participants) & CPD
point (USM Staff) will be provided

ENQUIRY: rdm@usm.my

Awareness Program - Webinar



OPEN SCIENCE WEBINAR SERIES Research Data Stewardship @ Hong Kong University Libraries

8 JULY 2021 | 10 AM



SPEAKERS

JESSE XIAO
DATA AND SCHOLARLY COMMUNICATION LIBRARIAN
THE UNIVERSITY OF HONG KONG LIBRARIES



TINA YANG
ASSOCIATE LIBRARIAN
LEARNING AND RESEARCH SERVICES
THE UNIVERSITY OF HONG KONG LIBRARIES

Live Streaming via



*e-certificate (all participants) & CPD
point (USM Staff) will be provided

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Awareness Program - Webinar



OPEN SCIENCE WEBINAR SERIES

Using Figshare for Storing, Sharing & Managing Research Data

5 AUGUST 2021 | 3 PM



SPEAKER
MEGAN HARDEMAN
HEAD OF ENGAGEMENT
FIGSHARE

Live Streaming via



*e-certificate (all participants) & CPD point (USM Staff) will be provided

ENQUIRY: rdm@usm.my

Awareness Program - Webinar



OPEN SCIENCE WEBINAR SERIES KICKSTARTING OPEN SCIENCE WITH INSTITUTIONAL RESEARCH DATA SUPPORT

25 NOV 2021 | 10 AM



SPEAKER

GOH SU NEE
DEPUTY DIRECTOR
NANYANG TECHNOLOGICAL UNIVERSITY LIBRARY
SINGAPORE

Live Streaming via



USM Library TV



LIVE

phsusm

*e-certificate (all participants) & CPD
point (USM Staff) will be provided

ENQUIRY: rdm@usm.my

#USM Library TV



Search



Research Data Management

USM LIBRARY TV - 1 / 5



- ▶ **Introduction to Research Data Life Cycle** 1:20 #usm #usmlibrarytv Introduction to Research Data Life Cycle USM LIBRARY TV
- 2 **How to download Data Management Plan (DMP)** 1:55 #usm #usmlibrarytv How to download Data Management Plan (DMP) USM LIBRARY TV
- 3 **How to use Mendeley Data** 6:35 #usm #usmlibrarytv How to use Mendeley Data USM LIBRARY TV
- 4 **How to use Figshare** 7:25 #usm #usmlibrarytv How to use Figshare USM LIBRARY TV
- 5 **Tips & Tricks: Google Scholar for Research - Citation in Google Scholar** 2:47 #usm #usmlibrarytv Tips & Tricks: Google Scholar for Research - Citation in Google Scholar USM LIBRARY TV

All

Presentations



Skills Training Series | Learning Animation Using Blender
Franco Nicolo' Ardun

#usm #usmlibrarytv Introduction to Research Data Life Cycle

Roadshow

School of Educational Studies



School of Management



Engineering Campus



School of Communication



What's next?

USM Committee
of Open Science

USM Policy on
Open Science

RDM & Open
Science Training

Pilot Project with
School of Medical
Sciences



UNIVERSITI SAINS MALAYSIA

Thank You

We lead | Kami Memimpin

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