Malaysia Open Science Platform (MOSP)

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Universiti Putra Malaysia (UPM) has signed the Memorandum of Understanding (MoU) of **Projek Rintis Malaysia Open Science Platform (MOSP)** with the Academy of Science Malaysia (ASM) on 14th July 2022. The initiative also involves other research universities in Malaysia; Universiti Malaya (UM), Universiti Sains Malaysia (USM), Universiti Kebangsaan Malaysia (UKM) and Universiti Teknologi Malaysia (UTM).

News Article:
https://www.upm.edu.my/berita/upm_sertai_projek_rintis_platform_sains_terbuka_malaysia-67780

What is Open Science (OS)?

Open science (OS) is the movement to make scientific research (including publications, data, physical samples, and software) and its dissemination accessible to all levels of society, amateur or professional.

What is Malaysia Open Science Platform (MOSP)?

- A national initiative under the Science, Technology, and Innovation Policy 2021-2030 by the Ministry of Science, Technology, and Innovation (MOSTI) to enable local researchers to share their research data to be accessed by public.

- To encourage open data sharing for technology development through research, development, commercialization, and innovation (R&D&C&I) in research, industry players, and society.

- The initiative has supported the importance of harnessing the potential impact of Open Science. The pilot initiative has launched on 7th November 2019.

- Through the Academy of Sciences Malaysia (ASM), the Malaysia Open Science Alliance was formed to pave the way toward realizing MOSP as a strategic transformative initiative to strengthen STI Collaborative Ecosystem for Malaysia.

Aims of Malaysia Open Science Platform (MOSP)

This initiative aims:

➤ To make Malaysia's research data a valuable national asset by developing a trusted platform that enables accessibility and sharing of research data aligned to national priorities and international best practices

➤ To encourage researchers in Malaysia to share their resources and use them optimally. This is one of the best platforms for local researchers to expand and strengthen their research networking and trans-disciplinary collaborations.

➤ To increase the research outputs and contribute the best solutions for various current issues in Malaysia. It helps to reduce the repetition or duplication of research in the future.

MOSP is expected to be accessible to the public in **December 2022.**

For further information, please visit:
https://www.akademisains.gov.my/mosp/

https://www.facebook.com/MalaysiaOpenSciencePlatform

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Malaysia Open Science Alliance Working Group on Guidelines will lead the pathway towards the drafting of the National Guideline on Open Science through nationwide stakeholders' engagement and by conducting a Landscape Study on Open Science in Malaysia.

Two deliverables are expected from this Working Group:

1. **A landscape study on Open Science in Malaysia.**
2. **National Guidelines on Open Science.**

https://www.akademisains.gov.my/mosp/policy-and-guidelines/

Guidelines

The landscape study would call for collaboration among all stakeholders at all levels of organizations including **ministries, government agencies, HLIs, GRIs, scientists and industrial players** to sit together and come up with a solution-based position paper, documenting the level of readiness of open science and all necessary actions required to implement MOSP at a national level, and subsequently, at an international level.

The focus of the study would be measuring indicators, which are:
1. **Available Policies**
2. **Number of Repositories**
3. **Skill Capacity**
4. **Infrastructure Capacity**

3 Focus Areas of MOSP

Capacity Building and awareness (CBA)

Infrastructure

https://www.akademisains.gov.my/mosp/capacity-building-and-awareness/

https://www.akademisains.gov.my/mosp/infrastructure/

This CBA working group:

1. Specifically tasked to develop a localized training module, which will be the guideline to train and upscale trainers (especially librarians) into Digital Data Librarians/Data Librarians/Data Curators. This module would steer Malaysia towards maximizing the potential of research data as a tool to advance the research and development industry.
2. Responsible for creating awareness and promoting MOSP initiatives nationwide through social media (Facebook, Twitter, and Instagram).
3. Promoting MOSP through various channels, including infographics, billboards, webinars, videos, media presence on television as well as radios.
4. Establishes great relationships and engagements with various international organizations such as UNESCO, OECD, Arab Open Science, European Open Science, Global Open Science Cloud etc.

1. **The infrastructure working group** will focus on the development of technical specifications and MOSP prototype prior to the deployment of this platform among the five research universities in Malaysia.
2. The potential platform architecture and execution model for MOSP will be identified with reference to the landscape study and views from professionals and stakeholders.
3. The technical specification then will be prepared based on the selected architecture.
4. The working group will seek inputs for technical specification from local champions, international experts and companies then prepare Request for Proposal for the model implementation.