



Co-funded by
the European Union

Project acronym: OPEN-ASIA

Project full title: OPEN-ASIA: Boosting engagement of HEIs in
Open Science in India and Malaysia

GA No: 101128493

Funding Scheme: Erasmus+



UMS
UNIVERSITI MALAYSIA SABAH

WP6

Fostering Citizen Science initiatives

MALAYSIA

INDIA

SLOVENIA

NETHERLANDS

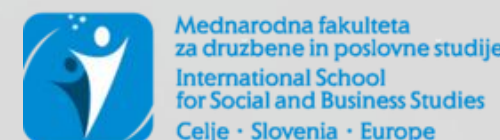
FINLAND



UMS
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UNIVERSITY
OF MALAYA



OPEN SCIENCE @ UMS



UMS

UNIVERSITI MALAYSIA SABAH

UNIVERSITY WORKING GROUP UMS



OPEN ASIA
UNIFYING SCIENCE, EMPOWERING INNOVATION



DEPUTY VICE CHANCELLOR
(R&I)



HEAD OF LIBRARY
(DATA ARCHIVING & OPEN



CHIEF DIGITAL OFFICER
(OS INFRASTRUCTURE



REGISTRAR
(OS POLICY &



Dean FCI
(OS COURSE IN PG



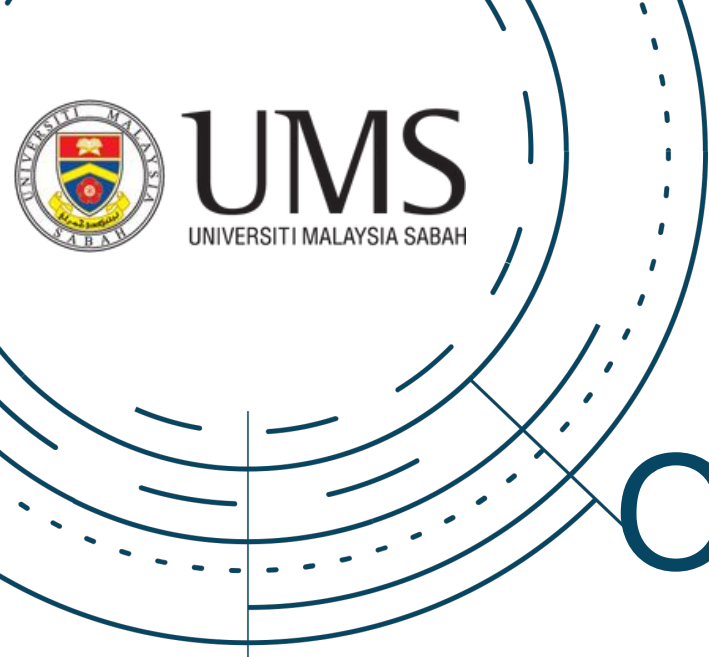
RMC DEP DIR
(STRATEGIC)



DARTIC DIRECTOR
(OS INFRA



FLECUMS DIRECTOR
(OS COURSE IN PG



WP6

Leader: UMS, Co-leader: UM

OBJECTIVES & DELIVERABLES

Specific Objective No.5: To foster Citizen Science initiatives in each PC, by Month 36.

- ✓ Each PCHEI will establish the SCIENCE SHOP 2.0 which will represent Open Science Community
- ✓ Each PCHEIS jointly, under the guidelines of EU partners, will take part in the realisation of the Open Science Stakeholder Engagement Workshop (OS-SEWs)
- MS15/M33/KPI: 6 x Science Shops established/ regulation elaborated/adopted; 4 x OS Stakeholders Engagement Workshops (OS-SEWs) organised/ 120 participants
- MS16/M34/KPI: 4 x recommendation on Citizen Science elaborated/adopted/ English/ altogether min 20 pages.



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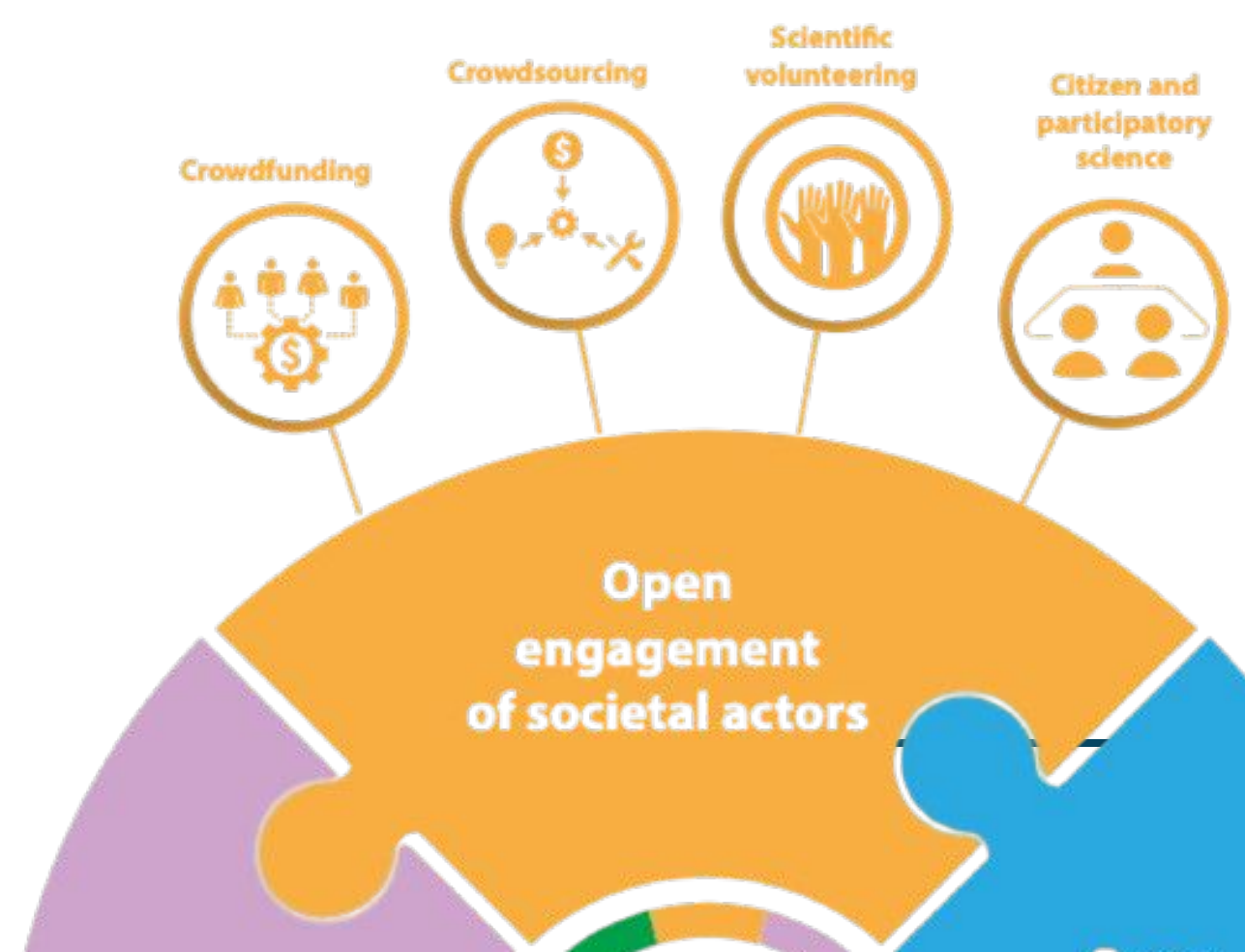
UMS | Faculty of Tropical Forestry
Fakulti Perhutanan Tropika

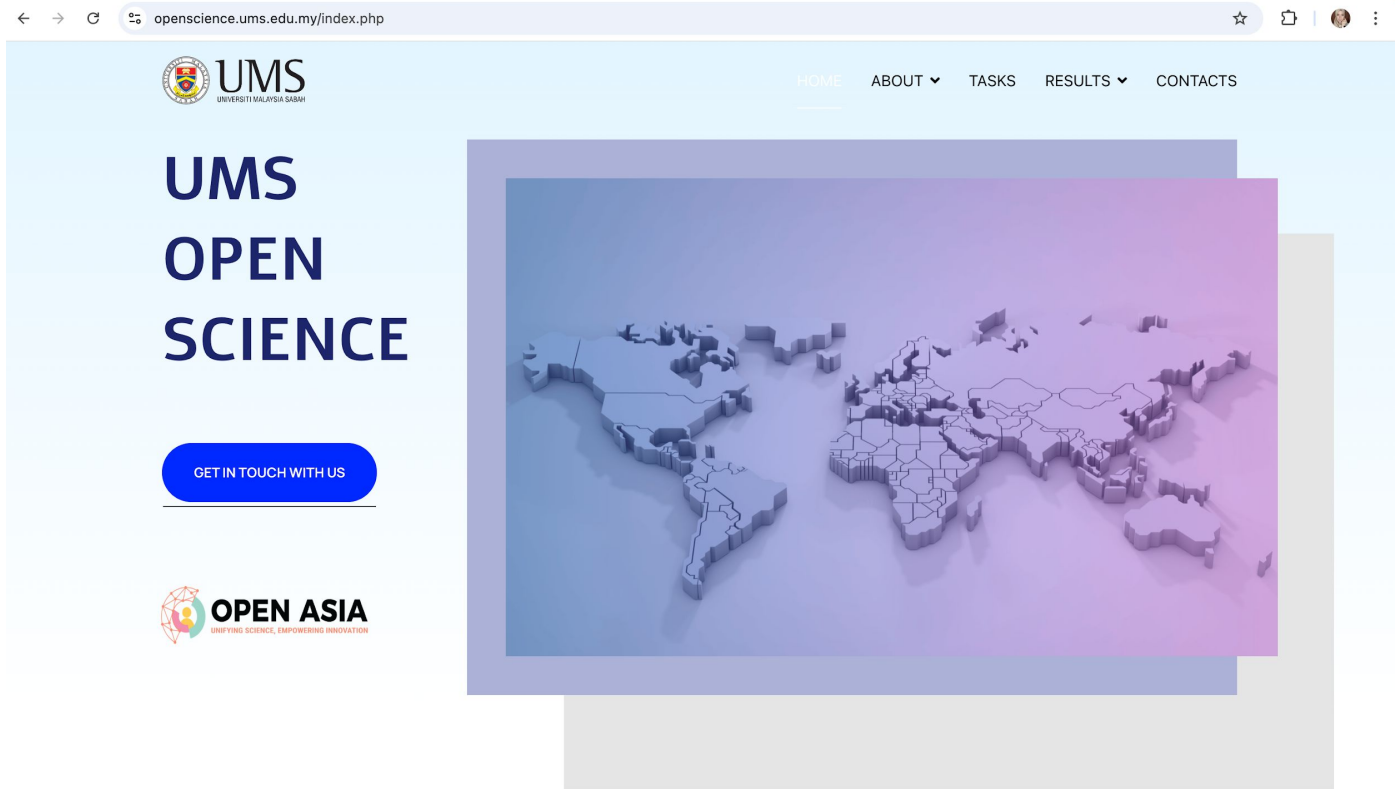
FORESTRY LIVING LAB
SFERA@UMS

Forestry Living Lab SFERA@UMS (Sustainable Forest Education and Research Area) gazetted to the Faculty of Tropical Forestry as teaching, learning, and research forest on the 8th of November 2021 through the approval from JPU Meeting BIL. 38/2021 (305). The total area of the forest is 62 acres comprised of Area 7, 8, 17, and 22e. It was officiated on the 22nd of June 2022 by Profesor Datuk Dr. Taufiq Yap Yun Hin, the former UMS Vice-Chancellor.

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UMS KAMPUS RAHMAH
TERAS KECEMERLANGAN DAN KEUNGULAN





ACHIEVEMENTS



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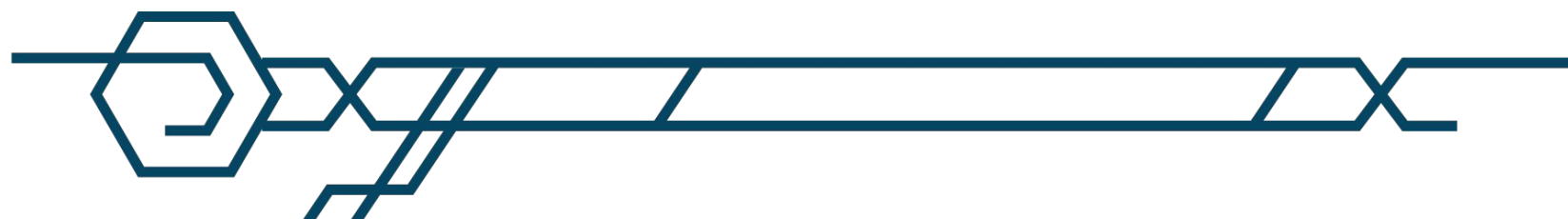
OPEN ASIA
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- UMS Data and Information Policy (2019)
- UMS Open Data Guideline (2023)
- UMS Institutional Repository Policy



RESEARCH DATA OPEN ACCESS

- UMS Research Data Open Access Implementation Guidelines
- Open Science Policy



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RESEARCH DATA OPEN ACCESS

- UMS Research Data Open Access Implementation Guidelines
 - Reviewed by legal
 - To be tabled at central level by early 2025
- *Open Science Policy* □ *no national policy as benchmarking (CBW3)*
 - **MS15 coordination lead by UMS:**
Requirements for OS policy development at institutional level
 - To be completed by all PCHEIs *by M33*



Name of the Policy	Open Science Policy
Description of Policy	Provides a framework for implementing Open Science at the university towards a transparent and collaborative scientific environment that fosters innovation and widespread dissemination of knowledge, thereby enhancing the university's impact globally and nationally.
Policy applies to	Institution-wide
Policy Status	New Policy
Approval authority	University Senate Board of Directors of UMS
Governing authority	Vice Chancellor, UMS
Responsible Officer	Deputy Vice Chancellor (Research and Innovation)
Approval Date	
Effective Date	
Date of Last Revision	Not applicable
Next Policy Review Date	Not applicable
Related Policies, Procedures and Guidelines	The Open Science Policy at UMS is guided by the following: <ul style="list-style-type: none"> - UNESCO's Recommendation on Open Science (2021) - National Policy and Guidelines on Open Science for Public Funded Research by Ministry of Science, Technology, and Innovation of Malaysia (2020) - UMS Strategic Plan (2023-2027) - UMS Information Communication and Technology Policies
Additional related policies at UMS that support and strengthen the TEL Policy include	<ul style="list-style-type: none"> - UMS Data and Information Policy (2019) - UMS Data and Information Collection Guidelines (2019) - UMS Data Application and Submission Guidelines (2019) - UMS Institutional Repository Policy (2022) - UMS Open Data Guidelines (2023)
Exceptions, if any	Not applicable



OPEN SCIENCE INFRASTRUCTURE

- *Sistem Maklumat Pusat Penyelidikan* (Research Center Information System)
 - ERASMUS funding for infrastructure enhancement in existing systems – 2025
- Training of data stewards for open research data cleaning and archiving in UMS Institutional Repository



OPEN SCIENCE COURSES

- Requirements of OS formal & informal OS curriculum – need to receive report from ISSBS *by M15* send to UniMAS *by M21*.
- Adopting recommended curriculum in existing postgraduate levels at UMS
 - Faculty of Computing & Informatics – as physical module (MIS)
 - UMS Flexible Centre & e-Learning Centre – as hybrid / online modules

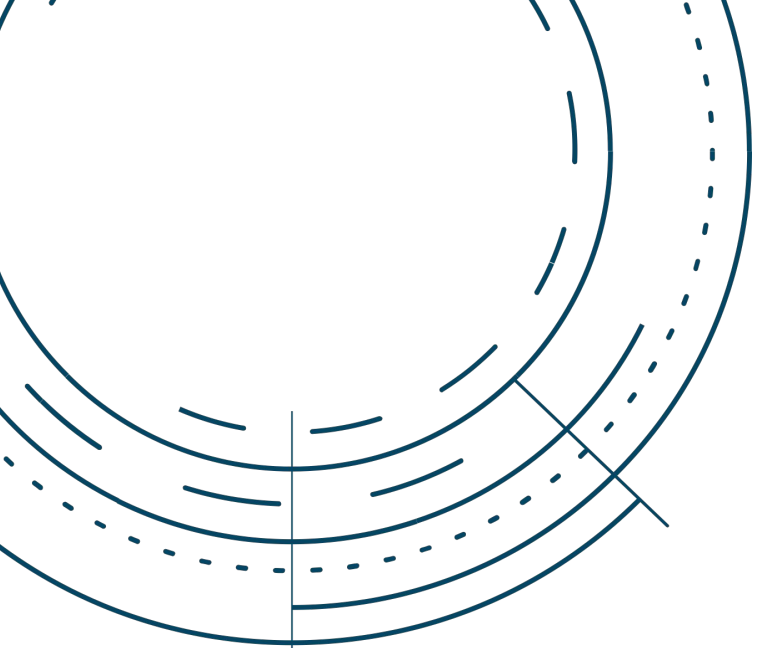


MOOC@UMS

UMS Massive Open Online
Courses



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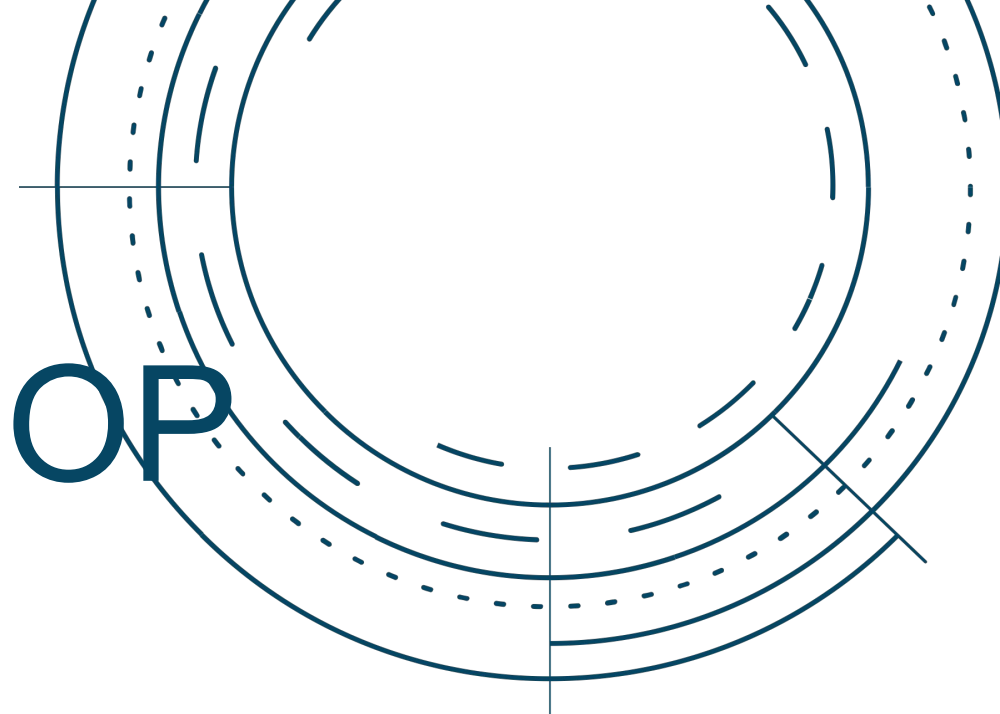


SCIENCE SHOP 2.0

CONSTITUENTS & OUTPUT

- ❖ SCIENCE SHOP Constituent:
 - Part of the OS-infrastructure at institutional level – 5 OS Hubs
 - **UM / UMS / UniMAS / NMIMS / TIET**
 - Members: representatives of the UWGs 1-3
 - External communities - students, NGOs, industry
 - Each PCHEI: (1) Contact person (Ambassador)
- ❖ SCIENCE SHOP 2.0 Regulation by each PCHEI
- ❖ OS Platform by each PCHEI

SCIENCE SHOP 2.0



- SCIENCE SHOP 2.0 Model – from VU **by M15** to be disseminated to all PCHEIs
- Each PCHEI to produce SCIENCE SHOP Operational Plan – in-charged by NMIMS **by M33**
- Final SCIENCE SHOP 2.0 Handbook – in-charged by UM





OS STAKEHOLDER

OS-SEW SESSIONS & OUTPUT

❖ OS-SEW Sessions (hybrid event) for recommendations to mainstream CITIZEN SCIENCE

- OS-SEW1: NMIMS (M28/ April '26)
- OS-SEW2: UniMAS (M28/ April '26)
- OS-SEW3: TIET (M33/ Sept `26)
- OS-SEW4: UMS (M33/ Sept `26)

Participants: members of Science Shops from each PCHEI, representatives of public authorities, NGOs, think tank, local communities, research groups / 30 people per OSEW

❖ Citizen Science Recommendation from each OSEW

OS STAKEHOLDER ENGAGEMENT WORKSHOP

- Citizen Science Recommendation – Inclusive, Responsible and Collaborative Research and Innovation in Open Science – in-charged by VU *by M34* – content template for workshop
- Each OS-SEW to produce (1) Citizen Science Recommendation

