

# YPASM AND OPPORTUNITIES FOR RESEARCH FUNDING UNDER SMART PARTNERSHIP INITIATIVE

7<sup>th</sup> November 2023

## Agenda

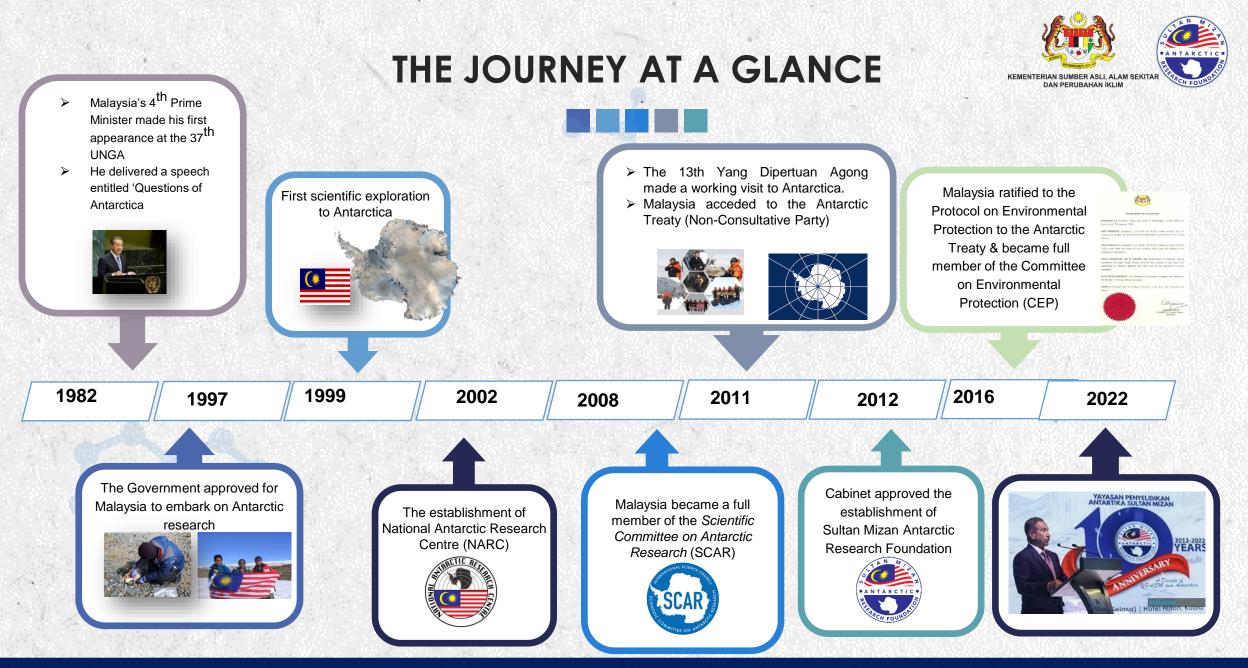
- **1.0 Welcome Remarks by YPASM CEO**
- 2.0 About YPASM
- 3.0 About Smart Partnership Initiative
- 4.0 YPASM Programmes & Activities 2023/2024
- 5.0 Call for Proposal 2024
- 6.0 NARC & Antarctic Research
- 7.0 Q & A Session

## 1.0 WELCOME REMARKS BY YPASM CEO

Mr. Abd Shukor bin Jamaluddin Chief Executive Officer of YPASM

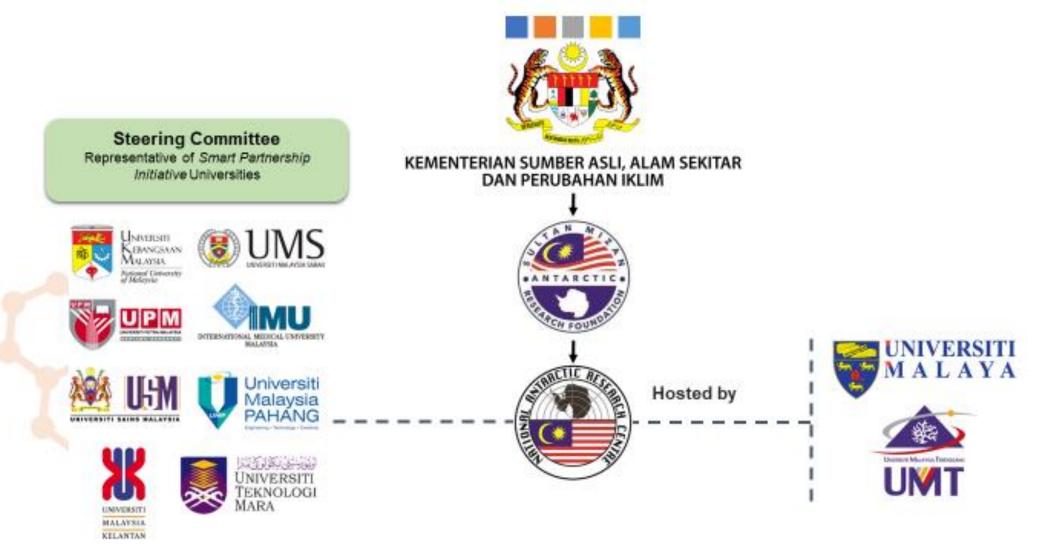


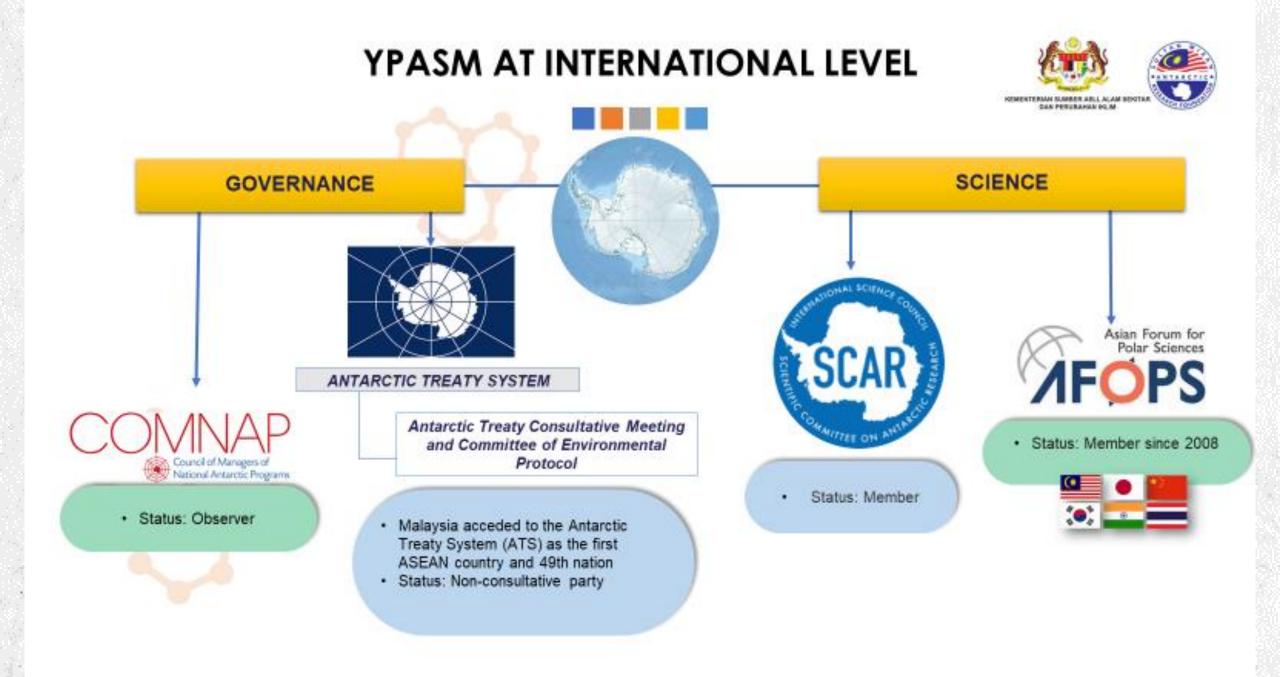
# **2.0 ABOUT YPASM**



\*Malaysia's position, Antarctica is a natural heritage that belongs to the world community and no claim of territory should be made on the continent

### **GOVERNANCE OF ANTARCTICA AT THE NATIONAL LEVEL**





## MEMORANDUM OF UNDERSTANDING



## British Antarctic Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

- MoU for scientific and logistic collaboration
- First cycle: 2014-2018
- Second cycle: 2019-2024
- 7 Malaysian researchers have been to the BAS
   station in Antarctica through this MoU



- MoU for scientific, technical and logistic collaboration
- 5 years MoU 5 signed in 2021
- 1 Malaysian researcher has collaborated with a Ukrainian researcher



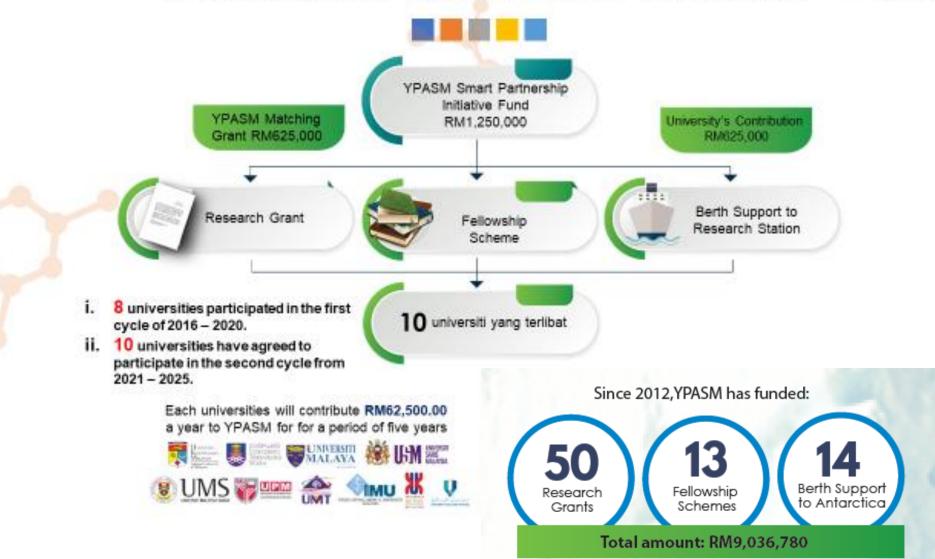
#### INACH Instituto Antártico Chileno Ministerio de Relaciones Exteriores

- MoU for scientific collaboration
- First cycle: 2014-2018
- Second cycle: 2019-2024
- 3 Malaysian researchers to the General Bernardo O'Higgins Riquelme station for 3 consecutive years during the summer - borne by their fellow Researchers in Chile
- 1 Malaysia researcher has completed Overwinter Expedition at the Professor Julio Escudero Base station supported by INACH

## 3.0 ABOUT SMART PARTNERSHIP INITIATIVE

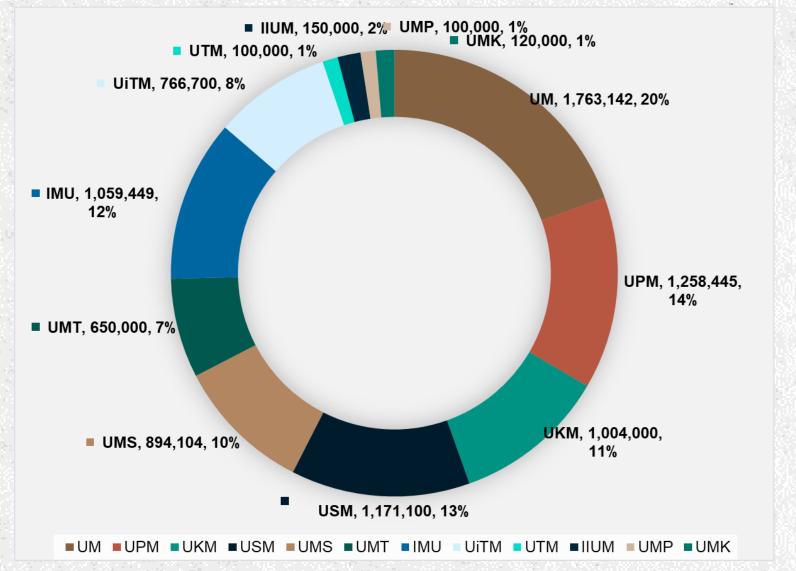
## YPASM SMART PARTNERSHIP INITIATIVE

MENTERIAN SUBBER ABU, ALAM SENTAR DAN PERUBAHAN IO. M



#### **Distribution of Research Funds to the Universities**

(including Years Before Smart Partnership Initiative) 2012-2023



# 4.0 YPASM PROGRAMME & ACTIVITIES 2023/2024

#### Malaysia Book of Records "The 1st Malaysian Scientist to Overwinter in Antarctica"

- In conjunction with YPASM's 10th Anniversary in 2022, YPASM offered a one-off grant worth RM150,000 to any Malaysian researcher who is interested in conducting research during winter.
- Through this expedition, Prof. Dr. Justin became the first Malaysian to conduct overwinter research in Antarctica and also the longest Malaysian to be in Antarctica.
- The presentation of Certificate ceremony is tentatively scheduled on 7th December 2023 in UMS that will be attended by the Chief Minister of Sabah and the Minister of Natural Resources, Environment and Climate Change (NRECC).
- A forum "Ke Arah Generasi Cakna Perubahan Iklim" will also be held with Prof. Dr. Justin as one of the panelist. Both events will be broadcasted live on YPASM's social media.





#### Prof. Dr. Justin Sentian YPASM Overwinter Grant Recipient

## **YPASM-UMT Chair in Antarctic Science**

UNIVERSITI MALAYSIA TERENGGANU UNIVERSITI MALAYSIA TERENGGANU

- Through a MoA with Universiti Malaysia Terengganu signed on 12 Sept 2022, the YPASM-UMT Chair in Antarctic Science was established.
- Prof. Dr. Martin Siegert is the YPASM-UMT Chair Holder from 1 January 2023 until 31 December 2025.
- Prof. Martin came to Malaysia for a working visit on 31 July 5 August 2023.
- As the chair, Prof. Martin is responsible for strengthening the Malaysian Antarctic research.
- Through Prof. Martin Siegert's connections and a public talk, YPASM was granted the opportunity to establish a connection with PETRONAS, Malaysia's global energy group, and its subsidiaries. Consequently, YPASM was given the chance to share and display our findings on Polar Biodiversity at Petrosains.



Prof. Dr. Martin Siegert YPASM-UMT Chair in Antarctic Science Holder

#### **Polar Biodiversity Thematic Exhibition at PETROSAINS**



PETROSAINS has invited YPASM to participate in their Week Special Thematic Exhibition in December under the Meet the Expert Talk & Booth Session from 16 to 24 December 2023

YPASM and some of the Malaysian Polar Researchers who has volunteered to contribute their expertise and biodiversity samples for this exhibition will be at PETROSAINS for two weeks.







### 10<sup>th</sup> Malaysian International Seminar on Antarctica (MISA10)

• MISA gathers researchers from different countries to share findings and experiences in polar research and also provides the platform for our scientists to strengthen existing and forge new collaborations.

• It also provides opportunities for local researchers and students who are interested in pursuing their career in polar sciences especially global sciences.

• Scheduled to be on 14-15th May 2024 at Bangi Resort Hotel with Universiti Kebangsaan Malaysia (UKM) as host.



## 10<sup>th</sup> Malaysian International Seminar on Antarctica (MISA10)



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- YPASM together with NARC and the National University of Malaysia (UKM) as host of MISA10 will be conducting a seminar with the theme **"Polar Research for Sustainability & Planetary Health".**
- It will be held from 14-15 May 2024 at Bangi Resort Hotel, Selangor, Malaysia.
- The theme for MISA10 emphasizes the crucial part that polar research plays in preserving the sustainability of our natural resources and safeguarding the health of our planet.
- For more details, please contact:

Secretariat, 10th Malaysian International Seminar on Antarctica

Phone: +603-8911 8194 | Email: misa10@ukm.edu.my

https://www.ukm.my/misa/

#### **MISA10 Call for Abstracts Poster**



## **5.0 CALL FOR PROPOSAL 2024**

## **YPASM CALL FOR PROPOSAL 2024**

# ANTARCTICA-MALAYSIA: ADVANCING POLAR RESEARCH FOR SUSTAINABLE FUTURE YPASM RESEARCH GRANT

#### Field of Research: All Sciences Related to the Polar Region

THEME

YPASM aims to bridge the gap between Antarctic research and Malaysia's sustainable future by translating the knowledge gained from Antarctic studies into practical solutions, from addressing climate change issues, improving planetary health, solving problems with innovation, and tackling pollution to conserving both Antarctica and Malaysia for a sustainable future. Nevertheless, the Polar Research for Sustainable Future shall not stop there. Think further and beyond for the future of research in Antarctica to a more prosperous and sustainable Malaysia.

Research Grant up to **RM150,000** not exceeding 36 months.

#### Field of Research: Social Science & Policy

YPASM seeks to break down disciplinary barriers by promoting collaboration between social and environmental researchers. We aim to develop policy or regulatory frameworks to address issues such as ethics, access, sensitivity and benefit sharing, intellectual property or curation of open data for Antarctic bioprospecting, data information, and collections in Malaysia. Social science research connecting Antarctic research to Malaysia's sustainable future is also welcome.

NEW

Research Grant up to **RM50,000** not exceeding 36 months.

## **YPASM RESEARCH GRANT: ELIGIBILITY CRITERIA**

- Projects must be related to scientific research in polar regions;
- Applicant must possess a PhD in any related field;
- Applicants will only be allowed to hold 1 YPASM Research Grant at a time;
- Applicants are only allowed to submit 1 project application at each phase;
- Applicant must have **at least 3 years experience** in related field/programme/research project; and
- Application is open to Malaysian citizen and Permanent Resident from universities participating in YPASM Smart Partnership initiative
- Projects must involve a minimum of 2 local AND 1 international institutions.

## YPASM RESEARCH GRANT: SCOPE OF EXPENDITURE

- Wages and Allowances for Temporary and Contract Personnel
- Travel and transportation
- Rentals of equipment for polar research project;
- Research Materials;

- Special Services directly related to the project such as:
   Consultancy
  - ➤Sample testing and analysis;
  - Data processing;
  - ➢ Paper publications fee related to the project; and
  - ➢ Registration fees for conference.

#### YPASM RESEARCH GRANT: RECIPIENTS OF 2023 & FIELD OF STUDY



**PROF. DR. AIDY M MUSLIM** UNIVERSITI MALAYSIA TERENGGANU FIELD OF STUDY: REMOTE SENSING



ASSOC. PROF. DR. SYAHIDA AHMAD UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOTECHNOLOGY



ASSOC PROF. DR. TEOH TEOW CHONG UNIVERSITI MALAYA FIELD OF STUDY: BIOLOGY



**DR. AHMAD RAZI OTHMAN** UNIVERSITI KEBANGSAAN MALAYSIA FIELD OF STUDY: BIOTECHNOLOGY



ASSOC. PROF. DR. ZAHIM SUJOD UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH FIELD OF STUDY: RENEWABLE ENERGY (ENGINEERING)



**DR. MUHAMMAD AKMAL REMLI** UNIVERSITI MALAYSIA KELANTAN FIELD OF STUDY: ARTIFICIAL INTELLIGENCE



**DR. SITI HARWANI** UNIVERSITI SAINS MALAYSIA FIELD OF STUDY: ATMOSPHERIC SCIENCE



**DR. TENGKU NILAM BAIZURA** UNIVERSITI TEKNOLOGI MARA FIELD OF STUDY: BIOLOGY

### YPASM RESEARCH GRANT: RECIPIENTS OF 2022 & FIELD OF STUDY



**PROF. DR. CHUA KEK HENG** UNIVERSITI MALAYA FIELD OF STUDY: BIOMEDICAL (BIOLOGY)



ASSOC PROF. DR. YUSOF SHUAIB UNIVERSITI MALAYSIA TERENGGANU FIELD OF STUDY: MICROPLASTIC (BIOLOGY)



**DR. LIM CHOOI LING** INTERNATIONAL MEDICAL UNIVERSITY FIELD OF STUDY: BIOLOGY

**DR. FAN HUI YIN** UNIVERSITI MALAYSIA SABAH FIELD OF STUDY: BIOLOGY



**DR. AHMAD BAZLI BIN TAMZI** UNIVERSITI KEBANGSAAN MALAYSIA FIELD OF STUDY: BIOREMEDIATION (BIOLOGY)

### YPASM RESEARCH GRANT: RECIPIENTS OF 2021 & FIELD OF STUDY



PROF. DR. CLEMENTE MICHAEL WONG VUI LII UNIVERSITI MALAYSIA SABAH FIELD OF STUDY: BIOLOGY



**DR. KOH YIH YIH** INTERNATIONAL MEDICAL UNIVERSITY FIELD OF STUDY: BIOLOGY



ASSOC. PROF. DR. SHARIFAH AMINAH BINTI SYED MOHAMAD UNIVERSITI TEKNOLOGI MARA FIELD OF STUDY: BIOLOGY



**DR. JAPARENG LALUNG** UNIVERSITI SAINS MALAYSIA FIELD OF STUDY: BIOLOGY



ASSOC. PROF. DR. MOHD SHAHRUL BIN MOHD NADZIR UNIVERSITI KEBANGSAAN MALAYSIA FIELD OF STUDY: PHYSICAL



**DR. RIZMAN IDID** UNIVERSITI MALAYA FIELD OF STUDY: BIOLOGY

#### **YPASM FELLOWSHIP SCHEME**

#### YPASM FELLOWSHIP SCHEME TO SCAR MEMBER COUNTRIES

#### Field of Research: All areas related to Polar Research

Yayasan Penyelidikan Antartika Sultan Mizan (YPASM) provides fellowship opportunities especially for **early career researchers** to pursue their research interests in Polar Regions. The main aim of this scheme is to facilitate the professional development and training of early career researchers in Polar Regions. This fellowship allows researchers to undertake short-term visits to major international laboratories, field facilities, and/or institutes in or operated by SCAR member countries, to become acquainted with recent advances in research and/or to develop long-term scientific links and partnerships as well as build new connections and networking with established researchers and experts in polar research.

Fellowship Scheme up to **RM50,000** not exceeding 12 months.

YPASM FELLOWSHIP SCHEME THROUGH THE YPASM-UMT CHAIR IN ANTARCTIC SCIENCE HOLDER

#### **Field of Research: Geoscience**

Prof. Dr. Martin Siegert FRSE is the distinguished holder of the YPASM-UMT Chair in Antarctic Science. His expertise and leadership in the field of Antarctic research make this an exceptional opportunity for geoscientists seeking to advance their knowledge and contribute to groundbreaking research in one of the most critical areas of Earth science. This fellowship provides an opportunity to work closely with renowned glaciologist, Prof. Dr. Martin Siegert FRSE and his institution on cutting-edge geoscience research. The recipient of this scheme will have access to state-of-the-art facilities and resources, as well as the chance to collaborate with leading researchers in the field.

Fellowship Scheme up to RM50,000 not exceeding 12 months.

### **YPASM FELLOWSHIP SCHEME : ELIGIBILITY CRITERIA**

- Applicant should be a PhD student, or those within five (5) years of having completed PhD on the day of the deadline for application;
- Projects must be related to polar research;
- Applicant will only be allowed to hold one YPASM Fellowship at a time;
- Application is open to Malaysian citizens and Permanent Residents (MyKad holders) from universities
  participating in the YPASM Smart Partnership initiative only (UM, UiTM, USM, UMS, UPM, UKM, IMU, UMT, UMK
  and UMP).

## **YPASM FELLOWSHIP SCHEME : SCOPE OF EXPENDITURE**

- Economy-class round-trip travel using the shortest and cheapest direct routes;
- Accommodation at host country;
- Modest subsistence allowance for the fellowship period;
- Any materials, sample testing, analysis, and activities directly related to the research;
- Paper publications related to the project; and
- Registration fees for conference(s).

The host institute will waive any bench fees that they might normally charge trainees.

### YPASM FELLOWSHIP SCHEME : RECIPIENTS OF & FIELD OF STUDY



SULAIMAN ALI BIN MOHAMMAD UNIVERSITI KEBANGSAAN MALAYSIA FIELD OF STUDY: PHYSICAL



DANG NGUK LING INTERNATIONAL MEDICAL UNIVERSITY FIELD OF STUDY: BIOLOGY



**DR. FARADINA MERICAN** UNIVERSITI SAINS MALAYSIA FIELD OF STUDY: BIOLOGY



**DR. YEW WEN CHYIN** UNIVERSITI MALAYA FIELD OF STUDY: BIOLOGY



**DR. WAN MOHD RAUHAN WAN HUSIN** UNIVERSITI MALAYSIA TERENGGANU FIELD OF STUDY: BIOLOGY



**DR. LEELATULASI SALWOOM** UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY

## **YPASM CALL FOR PROPOSAL 2024**

#### ANTARCTICA-MALAYSIA: ADVANCING POLAR RESEARCH FOR SUSTAINABLE FUTURE YPASM BERTH SUPPORT TO ANTARCTICA

#### BERTH SUPPORT TO BAS RESEARCH STATION IN ANTARCTICA

THEME

YPASM is introducing Berth Support to Antarctica to encourage Malaysian researchers to conduct their research activities in Antarctica through a MoU signed between YPASM and British Antarctic Survey (BAS) over the period 2019-2024. BAS is going to host one (1) researcher from Malaysia to undertake field work at BAS Signy Research Station in Antarctica for the 2024/2025 Antarctic summer season. Applicants must complete all stages of application process set by BAS. Refer to Planning Schedule BAS Expedition 2024/2025 Flow Chart on YPASM website for details.

#### BERTH SUPPORT TO ANTARCTICA THROUGH SCAR MEMBER COUNTRIES

YPASM seeks for application from Malaysian researchers to undertake field work at any research stations in Antarctica for the 2024/2025 Antarctic summer season through collaboration established with any Scientific Committee on Antarctic Research (SCAR) Member Countries other than Malaysia. Currently there are 44 members of SCAR. Applicants must already identify collaborator(s) with secured placement in collaborator's research station in Antarctica.

Berth Support up to **RM55,000.** 

Contribution of **Expedition Fee £32,000 to BAS.** 



ASSOC. PROF. DR. SITI AQLIMA BINTI AHMAD UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY



**YPASM BERTH SUPPORT THROUGH BAS:** 

**RECIPIENTS & FIELD OF STUDY** 

SHOBA MARY THOMAS UNIVERSITI MALAYA FIELD OF STUDY: BIOLOGY



**DR. JAPARENG LALUNG** UNIVERSITI SAINS MALAYSIA FIELD OF STUDY: BIOLOGY



**DR. YEW WEN CHYIN** UNIVERSITI MALAYA FIELD OF STUDY: BIOLOGY



**DR. ALIA JOHARI** INTERNATIONAL MEDICAL UNIVERSITY FIELD OF STUDY: BIOLOGY



**DR. WAN LUTFI BIN WAN JOHARI** UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY

### YPASM BERTH SUPPORT THROUGH SCAR MEMBER COUNTRIES RECIPIENTS & FIELD OF STUDY



ASSOC. PROF. DR. SITI AQLIMA BINTI AHMAD UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY



NUR NADHIRAH BINTI ZAKARIA UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY



RASIDNIE BINTI RAZIN WONG UNIVERSITI PUTRA MALAYSIA FIELD OF STUDY: BIOLOGY

## **APPLICATION DEADLINE :**

YPASM Polar Research Grant	31 December 2023
YPASM Fellowship Scheme	31 December 2023
Berth Support to Antarctica	
A. Berth Support through British Antarctic Survey	
•Discussion of Project Ideas with BAS and Pre-	22 December 2023
Award Operational Support Planning Questionnaire	
(OSPQ) Submission	
•Submission of Proposal to YPASM	31 January 2024
Post-Award OSPQ Submission	31 March 2024
B. Berth Support through any SCAR Member	31 December 2023
Countries	

Official announcement during MISA10 and will be awarded by YPASM'S Patron - KDYMM Sultan Mizan Zainal Abidin ibni Almarhum Sultan Mahmud Al-Muktafi Billah Shah.

### **IMPORTANT NOTES:**

#### **RESPONSIBILITIES OF GRANT HOLDERS :**

- Grant holders are required to support and involve in all YPASM activities including outreach and awareness programmes.
- All data obtained from the project belongs to YPASM and must be submitted together with the Progress Report, End of Project Report or whenever requested by YPASM.

#### **PROJECT MONITORING:**

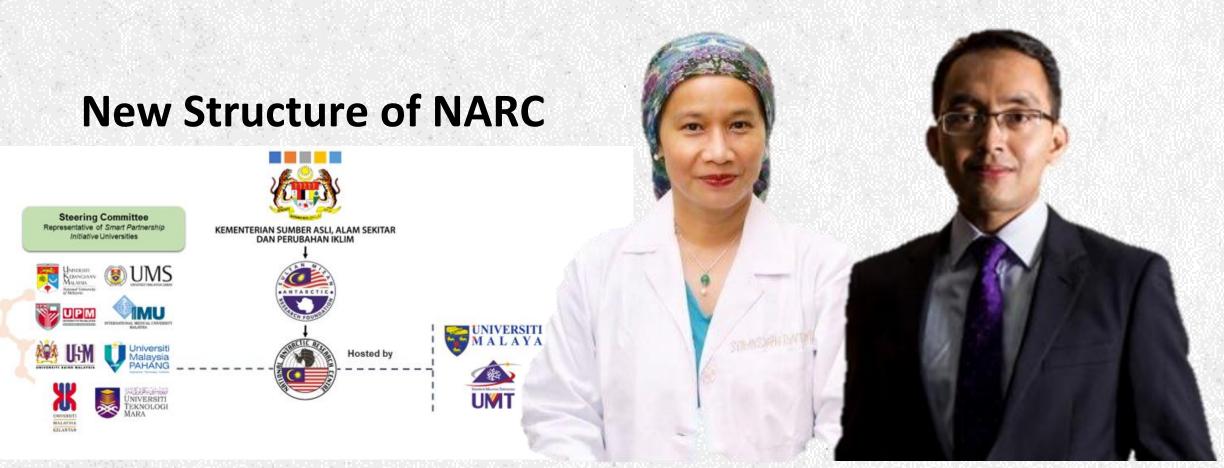
• Expedition Report must be submitted 3 months after completion of expedition along with 3 to 5 minutes video compilation of your expedition.

#### **REVISED APPLICATION FORM:**

- New application form (Form A) requires Acknowledgement from Research Management Centre (RMC) of respective university.
- All approved projects should commence on 1 October 2024

# 6.0 NARC & ANTARCTIC RESEARCH

BY ASSOC. PROF. DR. SITI AISAH ALIAS, DIRECTOR OF NARC



Assoc. Prof. Dr. Siti Aisah Director of NARC Dr. Wan Mohd Rauhan Deputy Director of NARC

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# 7.0 Q&A

#### YPASM Call for Proposals 2024

# GROUP PHOTO

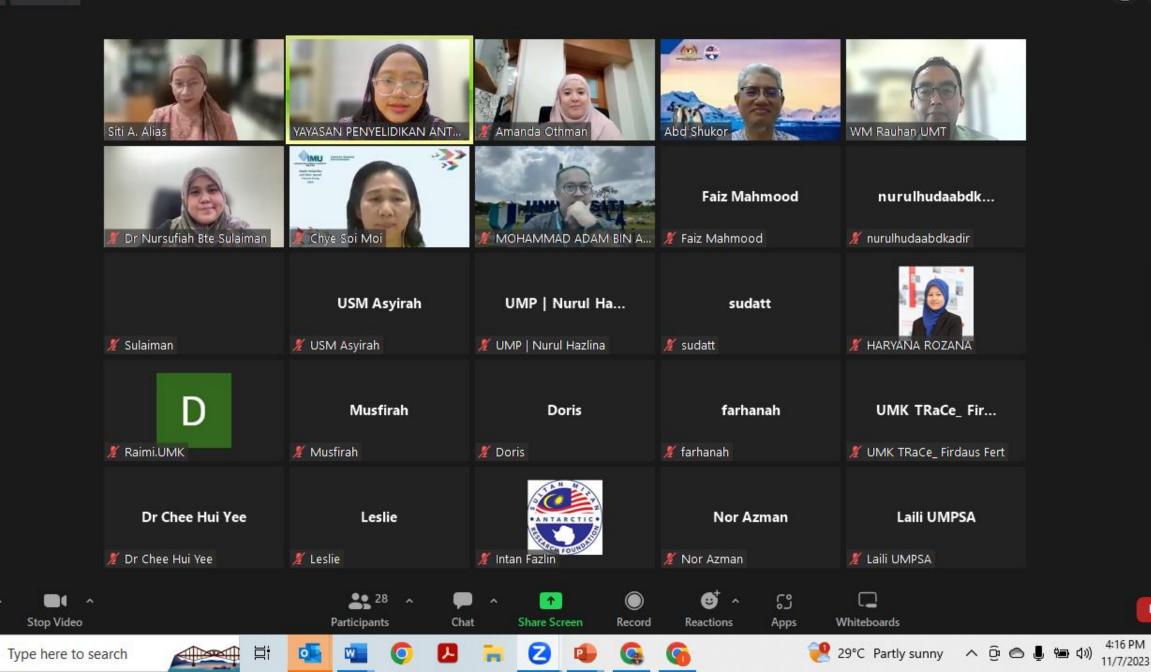
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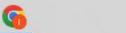
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(10) -Siti A. Alias YAYASAN PENYELIDIKAN ANT.. Amanda Othman Abd Shukor WM Rauhan UMT Faiz Mahmood nurulhudaabdk... Dr Nursufiah Bte Sulaiman 🔏 Faiz Mahmood 📕 nurulhudaabdkadir Chye Soi Moi MOHAMMAD ADAM BIN A... 🔏 Sulaiman UMK TRaCe\_ Firdaus Fert 🔏 UMP | Nurul Hazlina Musfirah Akmar D **USM Asyirah** Doris sudatt 🔏 Doris 🔏 USM Asyirah 🗶 sudatt 🔏 HARYANA ROZANA 🔏 Raimi.UMK farhanah Leslie Nor Azman Khanom Simarani 🗶 farhanah 🔏 Leslie 🔏 Khanom Simarani 🔏 Nor Azman 🔏 Intan Fazlin

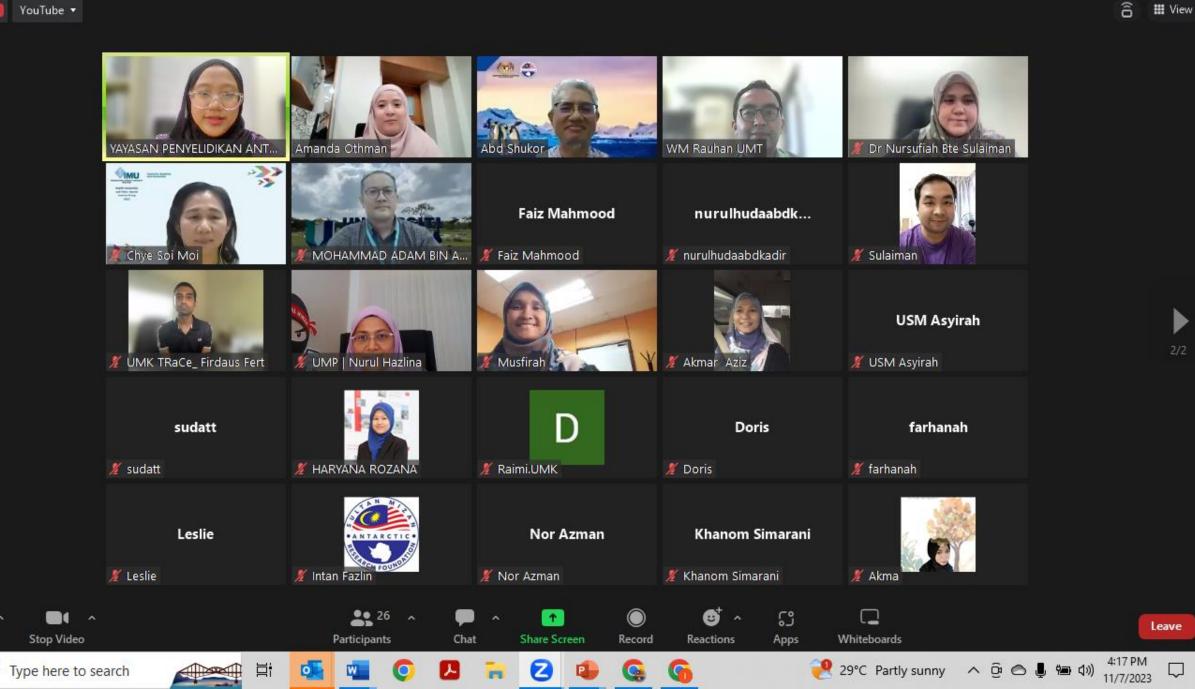
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