



# The 8<sup>th</sup> ASEAN PLUS THREE JUNIOR SCIENCE ODYSSEY (APT JSO-8)

*“The Role of Youth in Communicating Science for  
Sustainable Development Goals (SDGs) in the Regions”*

9<sup>th</sup>-15<sup>th</sup> JUNE, 2019

at

National Science Museum Thailand (NSM)

## The First Circular



# **The 8<sup>th</sup> ASEAN PLUS THREE JUNIOR SCIENCE ODYSSEY (APT JSO-8)**

## **EVENT OUTLINE**

The ASEAN Plus Three Junior Science Odyssey (APT JSO) has been established by the ASEAN+3 Center for the Gifted in Science (ACGS), the Republic of Korea. The APT JSO aims to encourage gifted middle high-school students in ASEAN member countries, China, Korea and Japan to develop their knowledge and potential skills in Science. This event also has the objectives to stimulate students to share their experiences, to extend their friendships and enlarge their network among each other and to give an inspiration for pursuing their future careers in science and technology area.

In year 2019, the **National Science Museum Thailand (NSM), Ministry of Science and Technology Thailand**, as the representative of Thailand, will be the host of the **8<sup>th</sup> ASEAN Plus Three Junior Science Odyssey (APT JSO-8)**. The APT JSO-8 will be held during **9<sup>th</sup> -15<sup>th</sup> June 2019** at the National Science Museum Thailand, Pathum Thani province, Thailand, in the theme of “*The Role of Youth in Communicating Science for Sustainable Development Goals (SDGs) in the Regions*”.

## **OBJECTIVES**

1. To encourage and challenge gifted Science students excelling in the field of science and technology.
2. To stimulate students' intellectual curiosity through various experiences and experiments.
3. To provide students with the opportunity to foster friendships and networking in the APT region.
4. To motivate students to pursue careers in the field of science and technology.

## **THEME**

**“The Role of Youth in Communicating Science for Sustainable Development Goals (SDGs) in the Regions”**

## **EVENT DATES / SCHEDULE**

9<sup>th</sup> – 15<sup>th</sup> June 2019 (6 nights and 7 days).

- Arrival date: 9<sup>th</sup> June 2019
- Event date: 10<sup>th</sup> -14<sup>th</sup> June 2019
- Departure date: 15<sup>th</sup> June 2019

## **VENUE**

### **Main venue**

- National Science Museum Thailand (NSM)

### **Lab Skill and Site visit venues**

- Synchrotron Light Research Institute (SLRI)
- National Astronomical Research Institute of Thailand (NARIT)
- Thailand Institute of Nuclear Technology (TINT)

## **ORANIZATION COMMITTEES**

- National Science Museum Thailand (NSM)
- Ministry of Science and Technology, Thailand (MOST)
- ASEAN+3 Center for the Gifted in Science (ACGS)

## **PARTICIPANTS & CRITERIA**

### **A. Participants**

#### **1) Participants from ASEAN Plus Three (APT) member countries;**

- **Students:** age 13 – 15 years                      See item B
- **Teachers:**    See item C
- **Representatives from organizing committee and ASEAN COST**

### **B. Criteria of Student and Team application**

#### **1) Level of Student**

Must be 13 years old during the year of the event and must not be more than 15 years 11 months old at the time of the events.

#### **2) Number of Student Team:**

- **APT countries:** maximum of 2 teams per country
- **Host country (Thailand):** maximum of 4 teams
- **Number of students per team:** maximum of 3 students per team.

3) To ensure that all students will benefit fully from their participation, the students should:

- Have experience in science research or competitions
- Possess good oral / conversation proficiency in English
- Be willing to network with fellow students

### **C. Criteria of Teachers**

#### **1) Teacher**

Be educator or senior personnel in science in school or other educational institution

#### **2) Number of Teacher:**

- Maximum of one (1) teacher per team (Total of 2 teachers per country)

3) To ensure that all teachers will fully benefit from their participation, the teachers should:

- Possess good oral / conversation proficiency in English
- Be able to share their learning points and experiences with other teachers
- Be able to implement teaching ideas or strategies in school
- Be willing to network with fellow teachers.

## **OVERVIEW ACTIVITIES**

### **A. STUDENT ACTIVITIES**

#### **1. Poster Presentation by same-country team.**

- Details of Poster Presentation as in the Appendix 2
- Theme: *“The Role of Youth in Communicating Science for Sustainable Development Goals (SDGs) Issue in my country”*

#### **2. Laboratory Skills Assessments and Field trip**

- Three (3) students in one team: made up from the same country
- Lab skill with academician
  - Synchrotron Light Research Institute (SLRI)
  - Thailand Institute of Nuclear Technology (TINT)
  - National Astronomical Research Institute of Thailand (NARIT)

#### **3. Group Project Assignment and Presentation by mixed-country team.**

- Mixed-country team: each team made up of 6 to 8 students from different countries

#### **4. Cultural Performance**

Students of each country shall prepare their cultural performance for cultural exchange at the farewell party at the event.

### **B. STUDENT ASSESSMENTS**

Three types of assessments over an event period consisted of

- Poster Presentation (20%)
- Laboratory Skills Assessments (40%)
- Group Project Assignment and Presentation (40%)

### **C. AWARDS AND CERTIFICATES**

- All registered students and teachers' participants will receive a certificate of participation to the APT JSO-8 event.
- The student participants will have an opportunity to win awards in compliance with the standards of awarding assessment.

### **D. TEACHER PROGRAMS**

To build capacities of science teacher and educators. The teachers' workshop and discussion forum are subjected to be announced in the next circular.

## **EXPENSES / SUBSIDY PROGRAM**

### **A. The host organization Committee will subsidize for:**

- 6 (six) night accommodation during the time of event.
- Meals (breakfast, lunch, dinner) during the event.
- All activities and programs during the event.
- Domestic transportation (to - from airport, venue, activities) during the event
- Study visit.

*These subsidized items are subjected to arrange and provide for the registered students and teachers to APT JSO-8 during the event period only.*

**B. The APTJSO-8 Participants will responsible for:**

- Their own International round-trip air ticket (home country to Bangkok, Thailand)  
Choice of Destination airport in Thailand:
  - Suvarnabhumi, Bangkok International Airport: Airport Code: BKK
  - or
  - Don Mueang International Airport: Airport Code: DMK
- Their own medical and travel insurance covering the event period
- Passport and VISA fee.
- Personal expenses
- All other expenses not detailed in item A

**C. Local Accommodation**

- Dormitory at the National Science Museum Thailand, in Pathum Thani (5 nights)
- Lodge at Nakhon Ratchasima Province. (1 night)
- All Participants will be arranged to share a room with the same gender.

## **PRILIMINARY PROGRAM: 9-15 JUNE, 2019**

This Preliminary Program is to assist all participants in planning their travel and events. The final program will be distributed on arrival and registration. All activities will be at the main venue and other venues.

JUNE	9 <sup>th</sup> (Sun)	10 <sup>th</sup> (Mon)	11 <sup>st</sup> (Tue)	12 <sup>nd</sup> (Wed)	13 <sup>rd</sup> (Thu)	14 <sup>th</sup> (Fri)	15 <sup>th</sup> (Sat)	
Morning	Arrival	Breakfast						
		Registration ----- Opening Ceremony ----- Keynote Speaker	Transfer to Nakhon Ratchasima ----- Visit Synchrotron Light Research Institute (SLRI)	Transfer to Nakhon Nayok ----- Visit Thailand Institute of Nuclear Technology (TINT)	Group Project Preparation	(8.00-12.00) Group Project <u>Presentation</u>	Depart	
Afternoon	----- Poster Set up	Lunch						
		Poster Presentation ----- Group Assignment	Lab Skill Assessment @ SLRI	Lab Skill Assessment @ TINT	Group Project Preparation (cont.)	Museums Visit ----- (15.00-17.00) Closing and Award Ceremony		
Evening	Dinner	Dinner	Dinner	Dinner	Dinner @ Future Park Shopping Center / Free Time	(18.00-21.00) Cultural Night Performance and Farewell party		
		Science Communication Technics By NSM Thailand	Visit National Astronomical Research Institute of Thailand (NARIT)	Group Project Preparation and Free Time				
	Overnight at NSM	Overnight at Nakhon Ratchasima	Overnight at NSM					

## **IMPORTANT DATES**

### **A. The “REGISTRATION FORM”**

- For Teachers: See Attachment# 1
- For Students: See Attachment# 2
- Reply due date by **15<sup>th</sup> March 2019.**

By E-mail to: aptjso2019.thailand@gmail.com

cc: chanika@nsm.or.th; rudeemas@nsm.or.th

### **B. Flight Information**

After receiving the Registration form, the APT JSO-8 coordinator will send you the confirmation by E-mail, and request for the flight information **by 30 April 2019.**

## **CONTACT DETAILS: THAILAND**

**Office of Public Awareness of Science**

**National Science Museum, Thailand (NSM)**

**Technopolis, Klong 5, Klong Luang, Pathum Thani 12120, Thailand**

### **1) APT JSO-8 Host Country Coordinators**

- **Ms. Chanika Kongsawat**

E-mail: aptjso2019.thailand@gmail.com; chanika@nsm.or.th

Tel: +66-2-577-9999 ext. 1470, Fax: +66-2-9900, Mobile: +66-87-0418704

- **Ms. Rudeemas Butsiri**

E-mail: aptjso2019.thailand@gmail.com; rudeemas@nsm.or.th

Tel: +66-2-577-9999 ext. 1442, Fax: +66-2-9900, Mobile: +66-86-1218464

### **2) APT JSO-8 Host Country Manager**

**Ms. Rakchanok Buttayothee**

**Head of Science Camp Team**

E-mail: aptjso2019.thailand@gmail.com; rakchanok@nsm.or.th

Tel: +66-2-577-9999 ext. 1442, Fax: +66-2-9900

### **3) APT JSO-8 Host Country Supervisor**

**Ms. Supara Komolpattana**

**Director of Education Program Division**

E-mail: aptjso2019.thailand@gmail.com; suppara@nsm.or.th

Tel: +66-2577-9999 ext 1478, Fax: +66-2-9900, Mobile: +66-99-4928566



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**Attachment # 1 “Registration Form for TEACHER”**  
**To the 8<sup>th</sup> ASEAN Plus Three Junior Science Odyssey (APT JSO-8)**  
**9<sup>th</sup> – 15<sup>th</sup> June, 2019**  
**at National Science Museum Thailand (NSM), THAILAND**

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Please complete one form per person, and return the form with a copy of passport to  
 APTJSO-8 Coordinator by Email to: aptjso2019.thailand@gmail.com,  
 cc to: chanika@nsm.or.th; rudeemas@nsm.or.th  
**by 15<sup>th</sup> March 2019.**

<b>Member Nation</b>		<b>Photo</b>	
<b>Full Name (As appeared in passport)</b>			
<b>Gender (Male / Female)</b>			
<b>School Name</b>			
<b>School Address</b>			
<b>Contact Number (Country code +number)</b>	<b>Home/Office Phone number:</b>  <b>Mobile Number:</b>  <b>LINE ID / WeChat ID (If available):</b>		
<b>Email address</b>			
<b>Passport Number</b>			
<b>Special Dietary Needs</b>		<b>Nationality:</b>	
<b>Religion</b>			

**Attachment # 2 “Registration Form for STUDENT”**  
**To the 8<sup>th</sup> ASEAN Plus Three Junior Science Odyssey (APT JSO-8)**  
**9<sup>th</sup> – 15<sup>th</sup> June, 2019**  
**at National Science Museum Thailand (NSM), THAILAND**

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 cc to: chanika@nsm.or.th; rudeemas@nsm.or.th  
by 15<sup>th</sup> March 2019.

<b>Member Nation</b>		<b>Photo</b>	
<b>Full Name (As appeared in passport)</b>			
<b>Gender (Male / Female)</b>			
<b>Date of Birth (Date-Month-Year)</b>		<b>Age:</b>	
<b>Student Status (Only for students)</b>	<b>Grade in school:</b>	<b>Field of Interest:</b> 1. 2. 3.	
<b>School Name</b>			
<b>School Address</b>			
<b>Contact Number (Country code +number)</b>	<b>Mobile Number:</b>  <b>LINE ID / WeChat ID (if available):</b>		
<b>Email address</b>			
<b>Passport Number</b>			
<b>Special Dietary Needs</b>		<b>Nationality:</b>	
<b>Religion</b>			