

**Training Workshop for IBSE Master Trainers on Climate Change Education for
Asia and the Pacific Region
9-11 May 2018, Kuala Lumpur, Malaysia**

Background:

There are currently about 60 science educators in the Asia - Pacific Region who have received two weeks of training in IBSE over two years organised by the International Science, Technology and Innovation Centre for South-South Cooperation under the auspices of UNESCO (ISTIC) and conducted by La main a la Pate facilitators. After attending the programme they are expected to play a major role in disseminating IBSE to colleagues and other teachers in their home countries and organisations. In Malaysia and probably elsewhere, IBSE is gaining momentum, hence there is growing demand for the services of the IBSE workshop participants as trainers. For example, three former participants of ISTIC's IBSE workshops have conducted training workshops in Sudan. The Academy of Sciences Malaysia has from time to time requested the services of the workshop participants in training teachers involved in their IBSE projects. However, the contents of the IBSE training workshops attended by these trainers focused more on the conduct of IBSE and not on preparing them to be trainers.

Rationale:

Good master trainers can effectively deliver a subject. There is a need to develop a cadre of competent master trainers in IBSE who are experts at delivery. They need to be properly prepared for the role of trainers as quality training can be a motivating experience to the participants. Such training can instill confidence and guide participants to be effective in their work. It is proposed that a training workshop for IBSE master trainers be organised for the Asia and Pacific Region.

Objectives of Workshop

1. To sensitise trainers on issues of climate change using IBSE as an approach to teaching climate change education
2. To enhance skills, understanding and competency of master trainers in IBSE in adult learning methodologies;
3. To enhance skills, understanding and competency of master trainers in order to assist teachers in implementing the approach; and
4. To provide the master trainers a solid framework for delivering training.

Duration of Training - 20 hours (3 days)

Participants will comprise 30 science educators from the Asia-Pacific Region. They must have attended at least one IBSE workshop organised by ISTIC and facilitated by La main a la Pate facilitators.

Workshop Content:

The workshop will cover topics such as climate change and IBSE, adult learning, developing confidence and competence, developing motivation and coaching.

This capacity building workshop will enable them to understand better on adult learning methodologies and enhance their skills, knowledge and competency, apply current facilitative skill that will promote learner engagement, show mastery in delivering key training strategies such as brainstorming and practice sessions. IBSE has been widely recognised as an effective approach to teaching science and has been given priority by IAP SEP in its efforts at improving science education.

Mode of Delivery:

The workshop will have a mixed approach which includes lectures, analysis of case studies, practical sessions / micro teaching

Expected Outcome

The workshop is expected to produce a cadre of trainers who can effectively deliver training programmes on climate change education based on IBSE.

Facilitators:

The workshop facilitators will be from Malaysia and La main a la Pate Foundation.

Partners

ISTIC as main organizer will prepare workshop brochure in consultation with La main a la Pate Foundation, announce the workshop on its website and contact embassies for the same purpose, process applications, shortlist applications, send out invitation letters to successful participants, organization and management of workshop (selection of workshop venue, accommodation, airport transfer, payments, day-to-day running of workshop, recording) workshop evaluation and preparation of workshop report. It will prepare the programmes schedule, list the materials and resources required and conduct the programme.

La main a la Pate Foundation (LAMAP) will be the main partner. It will provide advice and expertise on the programme and facilitate the programme on specific topics such as climate change education.

With support from the Academy of Sciences Malaysia, Ministry of Education Malaysia and Young Scientists Network

TENTATIVE PROGRAMME SCHEDULE

*All workshop participants are required to attend the International Conference on Climate Change Education on 7 & 8 May 2018.

Monday 7 May : International Conference on Climate Change Education	
Tuesday 8 May : International Conference on Climate Change Education	
DAY 1 - Wednesday, 9 May 2018	
9:00 am – 9:30 am	Opening by MOE representative Introduction general information about the training session (Dr. David Wilgenbus LAMAP Foundation)
9:30 am – 11:00 am	Hands-on activity I <i>What is greenhouse effect?</i>
11:00 am – 11:20 am	Tea Break
11:20 am – 12h30 am	Hands-on activity II <i>Greenhouse effect (cont.) Advantages and limitations of different IBSE activities (experiment, modelling, document studies)</i>
12:30 am – 02:00 pm	LUNCH
02:00 pm – 03:40 pm	Hands-on activity III <i>Climate change, ocean and cryosphere</i>
03:40 pm – 04:00 pm	Tea Break
04:00 pm – 05:00 pm	Hands-on activity IV <i>Climate change and acidification</i>
05:00pm – 05:30 pm	Climate change education, IBSE and nature of science
05:30 pm – 06:00 pm	Climate change education: mitigation & adaptation
06:00 – 06:30 pm	Conclusion & perspectives

DAY 2 – Thursday, 10 May 2018	
8:30 am – 10.00 am	Introduction and ice-breaking activity Overview of TOT
10.00 am – 10:30 am	Special address by Professor Daniel Rouan, LAMAP Fondation
10.30 – 11.00	Group Photo & Tea Break
11:00 am – 1.00 pm	Essential Teaching Skills to Promote IBSE <ul style="list-style-type: none"> • Teaching Approaches to Enhance IBSE (Dr. Koay Suan See / Dr. Foo Lay Kuan)
1.00 am – 02:00 pm	LUNCH
02:00 pm – 04.30 pm	Essential Teaching Skills to Promote IBSE <ul style="list-style-type: none"> • Qualities of effective IBSE teachers

	<ul style="list-style-type: none"> • Students' Role in IBSE IBSE Resources Assessment of IBSE (Dr. Koay Suan See / Dr. Foo Lay Kuan)
04:30pm – 05:00 pm	Tea and end of Day 2

DAY 3 – Friday, 11 May 2018	
8:30 am – 10:30 am	Creating Conducive Environment for IBSE Teaching and Learning (Dr. Koay Suan See / Dr. Foo Lay Kuan)
10:30 am – 11:00 am	Tea Break
11:00 am – 12:15 pm	Facilitation Skills (Dr. Koay Suan See / Dr. Foo Lay Kuan)
12:15 am – 02:30 pm	LUNCH
02:30 pm – 04:30 pm	Assessing Participants' Competence <ul style="list-style-type: none"> • Developing methods for assessing knowledge and performance (Dr. Koay Suan See / Dr. Foo Lay Kuan)
04:30 pm – 05:00 pm	<i>Closing and End of Workshop</i> (Dato' Dr. Sharifah Maimunah)

TRAVEL

Participants are expected to cover their own travel expenses and make their own travel arrangements to Kuala Lumpur. International participants should plan to arrive on 6 May 2018 and depart on 12 May 2018.

HOSPITALITY

- 1) Local hospitality will be provided by the organiser to the selected international participants. This includes accommodation and meals (breakfast, lunch and tea) during 9 - 11 May 2018. Participants will have to make their own arrangement of stay beyond these days and therefore should arrange their flight schedules accordingly.
- 2) Local participants will be provided full meeting package (teas & lunches)

APPLICATIONS

- i. Applicants are urged to use online application. The link of online application form can be accessed from the website www.istic-unesco.org
International Participants online application form
Link: <https://goo.gl/forms/pzPRdFdf7NNm9J7z2>
- ii. Applicants also can apply using the application form as attached in this brochure and submit the completed form to the following address info@istic-unesco.org

CLOSING DATE OF APPLICATIONS

All applications should be submitted to the ISTIC secretariat office **before 10 April 2018**

ISTIC will inform the successful applicants to the conference **not later than 16 April 2018**. Applicants who do not receive word within this date are rendered unsuccessful.

SECRETARIAT & ENQUIRIES

Secretariat

International Science, Technology and Innovation Centre
for South-South Cooperation under the auspices of UNESCO (ISTIC)
902-4, Jalan Tun Ismail
50480 Kuala Lumpur
MALAYSIA

Tel: +603-2694 9898 ext. 114

Fax: +603-2698 4549

Email: info@istic-unesco.org

Website: <http://www.istic-unesco.org>

APPLICATION FORM
(Typewritten or blocked letters)

FOR OFFICIAL USE ONLY Reference No: Received: Checked:	Please affix latest passport photograph
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Title of Programme: Training Workshop for IBSE Master Trainers on Climate Change Education for Asia and the Pacific Region	Date, duration & venue of course: 9 - 11 May 2018 Kuala Lumpur
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ONLINE APPLICATION: <https://goo.gl/forms/pzPRdFdf7NNm9J7z2>

1. PERSONAL PARTICULARS:

Family name (surname):	Date of Birth: (Date/Month/Year)
First name:	Nationality: (Citizenship)
Other given names:	Gender: (Male/ Female)
City and country of birth:	Marital status: (Single/ Married)
Passport No. / NRIC:	Designation : Prof. / Dr / Mr / Mrs / Ms

2. COMMUNICATION AND MAILING ADDRESS:

Applicant's Office Address:	Office Phone No:	
	Office Fax No:	
Email address:		
Mobile No:		
Person to be contacted in case of emergency (name, telephone and address):		

3. EDUCATION:

Name of institution and place of study	Major field of study:	Years of study	Degree

4. EMPLOYMENT RECORD:

A. Current Post:			B. Previous Post:		
Employer:			Employer:		
Duration of service:	From	To	Duration of service:	From	To
Title of post:			Title of post:		
Current monthly salary(US dollars):			Monthly salary (US dollars):		
Name of supervisor and title:			Name of supervisor and title:		
Type of organisation: Government/Semi-Government/ Private/ NGO			Type of organisation: Government/Semi-Government/ Private/ NGO		
Main functions of organisation:			Main functions of organisation:		
Total number of employees in organisation:			Total number of employees in organisation:		
Description of your current work including your responsibilities:					
*Please use supplementary pages if necessary					

5. REASONS FOR APPLYING THIS PROGRAM:

Please briefly state the reasons for applying this program and how you hope to benefit from this program	
Have you participated in any ISTIC training programs before: YES/ NO	
If yes;	
Name of program	Date

6. CERTIFICATION OF ENGLISH LANGUAGE PROFICIENCY:

	Excellent	Good	Fair	Remarks
Listening				
Speaking				
Writing				
Reading				
Mother tongue:				

7. DECLARATION:

Have you ever been convicted by a Court of Law of any country? Yes/ No
 If yes, please give brief details:

I certify that my statements in answer to the foregoing questions are true, complete and correct to the best of my knowledge and belief.
 If accepted to the training workshop, I undertake to:

- i) carry out such instructions and abide by such conditions as may be stipulated by both the nominating government and the host government in respect of this course of training;
- ii) follow the course of study or training, and abide by the rules of the institution in which I undertake to study or train;
- iii) refrain from engaging in political activities, or any form of employment for profit or gain;
- iv) submit any progress reports which may be prescribed; and
- v) return to my home country promptly upon the completion of my course of studies or training.

I fully understand that if I am granted an award it maybe subsequently withdrawn if I fail to make adequate progress or for other sufficient cause determined by the host Government.

Signature of Application : _____
 Name : _____
 Date : _____

8. OFFICIAL DECLARATION (to be completed by the Head of Department):

The Government / Organisation
 of
 ...
 nominates

 (name of applicant)

For the program under the International Science, Technology and Innovation Centre for South-South Cooperation (ISTIC) and certifies that:

- i) all information supplied by the nominee is complete and correct;
- ii) the nominee had adequate knowledge and was appropriately tested for English Language proficiency.

Remarks:

_____	_____
(Name)	(Signature of responsible Head of Department)
_____	Address of Department/ Ministry
(Designation)	_____
Official seal/ stamp	_____
Date:	Office telephone no: Office fax no: Email address:

Note: INCOMPLETE AND/OR UNENDORSED FORMS WILL NOT BE PROCESSED