

International Workshop

for the Preparation of Standard Education Programmes and Modules on Nuclear Energy and Radiation Application for Secondary Schools

1. Purpose of the WS

- ✓ To discuss and prepare standard education programmes and modules on nuclear energy and radiation application for secondary schools, which will be used in the next stage of IAEA-TC project from 2018
- ✓ To share the real programmes and modules for secondary school education in one hour (minimum) to 4 hours (maximum) among participant countries
- ✓ To discuss the inclusion of contents having the “WOW factors” as well as risk information in the programmes/modules
- ✓ To discuss the evaluation of the effect of the programmes/modules to education in secondary level.

2. Participants

- ✓ 2 experts from IAEA
- ✓ One expert from each country, Australia, USA, Korea,UK, China and Japan
- ✓ One science officer for secondary school education (or teacher) from each country, The Philippines, Indonesia, Malaysia, Thailand and Sri Lanka

3. Hosts and Cooperation

- ✓ Hosted by The University of Tokyo, financially supported by JSPS Grants in Aid for Scientific Research (KAKENHI) ID:JP16H01813 “Development of Systematic Learning Method of Risk Literacy Based on Global Communication”
- ✓ In Cooperation with the International Atomic Energy Agency (IAEA) under the TC project RAS0065 “Supporting Sustainability and Networking of National Nuclear Institutions in Asia and the Pacific Region”
- ✓ Supported by RADI project, operated by Japan Science Foundation (JSF)

March (2017)	AM	PM	Night time
26(sun)	Arrival at Tokyo (Narita or Haneda)		-
27(mon)	Exchanging info/meeting among participants		Welcome dinner
28(tue)	Task Group meetings 1		-
29(wed)	Task Group meetings 2	Open symposium	Dinner
30(thu)	Concluding discussion	/	-
	Leaving Tokyo (SriLanka)		
31(fri)	Leaving Tokyo (the other countries) Arrival at each country, before April 1		-

Held in The University of Tokyo (Hongo campus)
<http://www.u-tokyo.ac.jp/content/400027115.pdf>

Hotel; Forest Hongo

<http://www.forest-hongo.com/en/index.html>

(Rooms for all participants to WS have been booked by The University of Tokyo.)

Presentations;

Each participant is requested to make two presentations on Monday and Wednesday, as shown in the following schedule. Please prepare your presentation files of PPT and send them before March 13 (Mon).

Schedule Plan of International WS

(Tokyo-WS-2017)

Venue; The University of Tokyo (Hongo Campus)

<http://www.u-tokyo.ac.jp/en/about/access.html>

Hotel; Forest Hongo

<http://www.forest-hongo.com/en/index.html>

DAY 0 [March 26 (Sun)]

Please go to Forest Hongo and check-in by yourself from the airport.

If any problem, please ask the reception desk directly.

Staffs of the Japanese host for Tokoy-WS-2017 also stay the same hotel and are standby.

DAY 1 [March 27 (Mon)]

Large Meeting Room of 12th floor of Administration Bureau (Bldg. No.6)

0830	Reception desk of the Hotel. Japanese hosts will take all of you from the hotel to the meeting room on foot.	
0900 -0930	1. Opening WS <p style="text-align: right;">Chair; Ms. R. TAKAKI (Japan)</p> <p>1) Welcome Address Prof. Dr. H. Aihara (Japan) <small>Vice President, Director General, Division for EHS, The Univ. of Tokyo</small></p> <p>2) Welcome Address Dr J. G-Abaya (IAEA)</p> <p>3) Objective and Schedule of WS Dr. T. IIMOTO (Japan)</p> <p>4) Self-introduction of invited participants and Photo</p>	Break
0940 -1020	2. Special Lecture <p style="text-align: right;">Chair; Mr T. Toda (Japan)</p> <p>Overview of IAEA-RAS0065TC activities and the Final Draft of Report on "Final Meeting and Planning for Future Project"</p> <p style="text-align: right;">Dr. S. Sabharwal (IAEA)</p>	Break
1030 -1145	3. Presentations of Each Country Report (1) "Introduction of Representative Modules and Materials Used in My Country for Radiation and Nuclear Education for Secondary School Students or their Teachers Based on the National Syllabus and Curriculum –Purpose, Target and Design Concept for Each module or Material" 1) Japan 2) USA 3) Australia	20min+5min each
1145 -1345	Lunch to Restaurant and University Site Visit	
1345 -1500	4. Presentation of Each Country Report (2) 4) The Philippines 5) Indonesia 6) Malaysia	Break
1510 -1600	5. Presentation of Each Country Report (3) 7) Thailand 8) Sri Lanka	Break
1615 -1700	6. Discussion <p style="text-align: right;">Chair; Dr. T. Iimoto (Japan)</p> <p>1) Additional Q&A for each country report 2) Discussion on TG Strategy and Plan for DAY 2* 3) Making Two Task Groups for DAY 2 TG-A; Radiation Education TG-B; Nuclear Energy Education Leader; C. Casey (AUS) Leader; V. G. Segovia (USA)</p>	

*Detailed activity and goal of TGs in DAY 2 will be discussed during the last week of Feb.

DAY 2 [March 28 (Tue)]

Seminar Rooms of 2nd floor of Faculty of Medicine Experimental Research Building
(Bldg. No. 50)

0830	Reception desk of the Hotel. Japanese hosts will take all of you from the hotel to the meeting room on foot.	
0900 -1200	TG-1 in Room 1 Thema; Radiation Education	TG-2 in Room 2 Thema; Nuclear Energy Education
	7. Discussion and Task (1)* Leader; C. Casey (AUS)	7. Discussion and Task (1)* Leader; V. G. Segovia (USA)
	<ul style="list-style-type: none"> ✓ Brain storming the commonalities in the curriculum of the participants for the input to the preparatoion for Regional NST Curriculum Framework ✓ To discuss the tools for Assessments of the proposed Regional project of TC Programme ✓ To discuss and prepare standard education programmes and modules for secondary schools, which will be used in the next stage of IAEA-TC project from 2018 ✓ To discuss the inclusion of contents having the "WOW factors" as well as risk information in the programmes/modules 	
1200 -1300	Lunch (Lunch box prepared)	Lunch (Lunch box prepared)
1300 -1730	8. Discussion and Task (2) Leader; C. Casey (AUS) Continued	8. Discussion and Task (2) Leader; V. G. Segovia (USA) Continued

*Detailed activity and goal of TGs in DAY 2 will be discussed during the last week of Feb.

DAY 3 [March 29 (Wed)]

0830	Reception desk of the Hotel. Japanese hosts will take all of you from the hotel to the meeting room on foot.	
0900 -1200	TG-1 in Room 1 Thema; Radiation Education	TG-2 in Room 2 Thema; Nuclear Energy Education
	9. Discussion and Task (3)* Leader; C. Casey (AUS)	9. Discussion and Task (3)* Leader; V. G. Segovia (USA)
	✓ Continued if needed	
1200 -1340	Lunch (free time)	
1340	Lecture room in Faculty of Engineering (Bldg. No.11)	
1400 -1730	International Open Seminar	
	<ul style="list-style-type: none"> ➤ Each WS member invited will make lecture or presentation. Please see the next page. ➤ Expected participants are 80-100 Japanese experts or officers who are interested in nuclear/radiation education. 	

*Detailed activity and goal of TGs in DAY 2 will be discussed during the last week of Feb.

DAY 4 [March 30 (Thu)]

Large Meeting Room of 12th floor of Adminiration Bureau (Bldg. No.6)

0830	Reception desk of the Hotel. Japanese hosts will take all of you from the hotel to the meeting room on foot.	
0900 -1010	10. Presentation on the result of each TG 1) TG-A; Radiation Education 2) TG-B; Nuclear Energy Education	20min+15min each Break
1030 -1700	11. Concluding discussion ✓ To discuss following activities to the next stage of IAEA-TC project from 2018 ✓ ...	

International Open Seminar

Improvement of Risk Literacy Based on STEM Education Focusing on Radiation

Day and Time ; March 29 (2017), 200pm – 530pm

Place; The University of Tokyo, Lecture room in Faculty of Engineering, Bld No.11

(7-3-1 Hongo Bunkyo-ku, Tokyo, Japan)

<http://www.u-tokyo.ac.jp/content/400027115.pdf>

【PROGRAM】

Simultaneous Interpretation (English to Japanese)

Opening Address (25 min)

The University of Tokyo	Takeshi IIMOTO (Dr)
Ministry of Foreign Affairs	Tatsuo SUNAHARA (Mr)
Ministry of Education, Culture, Sports, Science and Technology	Hiroyuki KAMAI (Mr)

Session 1 Special Lectures (80 min)

- 1-1 International Framework to Assist Asian Activities of Radiation/Nuclear Education Based on IAEA-RAS0065-TCP and Its Future Scope
IAEA, Asia and the Pacific Section 2, Technical Advisor, Dr Sunil Sabharwal
- 1-2 Support to Pilot Countries by Experts in IAEA-RAS0065-TCP
Australia, ANSTO, Manager External Relations, Ms Cassandra Casey
- 1-3 How to Insert Risk Information in the STEM Education in Secondary Schools
USA, Texas A&M University, Director of Outreach and Development,
Dr Valerie Garcia Segovia

Break (20 min)

Session 2 Asian Activities (75 min)

Thema : Latest Status of Radiation Education in Secondary Schools and Establishment of Sustainable Framework

- 2-1 The Phillipines Department of Education, Supervisor, Dr Maria Pilar O. Capalongan
- 2-2 Indonesia Ministry of National Education, Manager Curriculum Division,
Ms Sri Hidayati
- 2-3 Malaysia MOE Malaysia, Assistant Director, Ms Nor'aidah Nordin
- 2-4 Thailand Institute for Promotion of teaching science and technology, Educator,
Dr Preeda Patcharamaneepakorn
- 2-5 Sri Lanka Ministry of Education, Director of Science Education,
Mr Vipulasena Pathiraja

Future Scope and Closing Address (10 min)

IAEA, Asia and the Pacific Section 2, Section Head, Dr Jane Gerardo-Abaya

*This symposium is supported by JSPS Grants in Aid for Scientific Research (KAKENHI) JP16H01813
"Development of Systematic Learning Method of Risk Literacy Based on Global Communication"