INSTA Annual Meeting 2026
– Working Group 2 Report

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Head / Vice Head of INSTA Working Group 2

October 1, 2026

INSTA Working Group 2 – Roles and Tasks

WG1

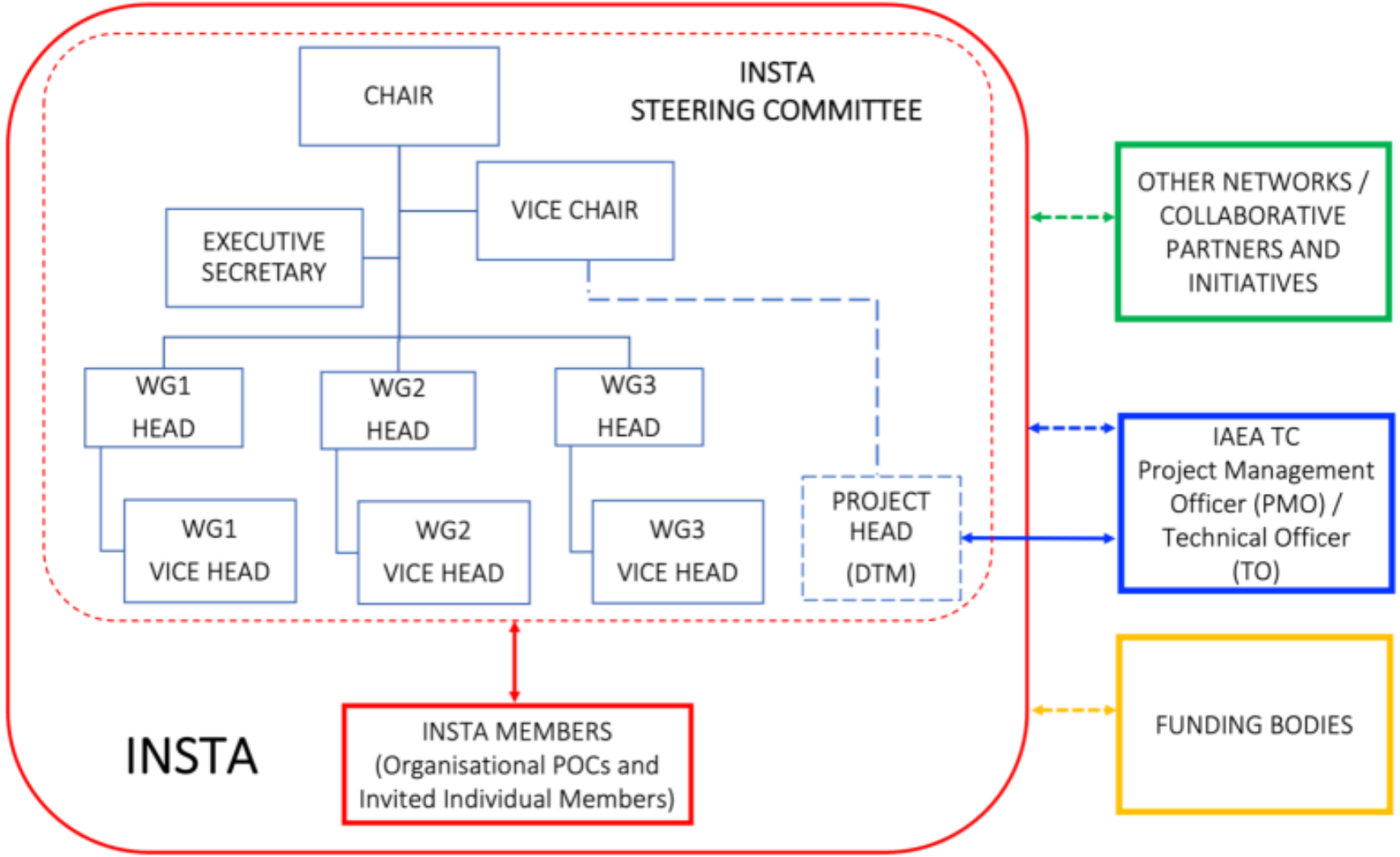
Facilitate linkages among academic institutions and stakeholders

WG2

Programme & Platform Development

WG3

Special Programmes (including INSTA Schools)



Review of Courses and Administration of EPE

- A TC Regional Workshop to review the courses and administration of EPE was held on 19 – 23 Jan 2026 in Vienna.
- The Editorial Committee comprises the following members:
  - Phongphaeth Pengvanvich (Thailand, Chulalongkorn U, Lead)
  - Tong Jiejuan (China, Tsinghua U)
  - Wang Jipu (China, Shenzhen U)
  - Sihana (Indonesia, Gadjah Mada U)
  - Raja Abdul Aziz (Malaysia, UKM)
  - Anas AlWafi (Saudi Arabia, KACST)
  - Anita And Rahman (Malaysia, UPM)
- Irman Abdul Rahman (INSTA Chair), Chung Keng Yeow (WG2 Head), Phannee Saengkaew (WG2 Vice-Head), Youngmi Nam (ANENT LMS), Mahani Abdul Malik and Norjaya Mohd Yasin (both of OUM) were also present and participated in the review.

Review of Courses and Administration of EPE

- During the Workshop, the Committee discussed the shortcomings of EPE conducted in 2024 which included:
  - Difficulties in scheduling discussion sessions for courses;
  - Demand on lecturers to assess the students for every course – especially if they were turned in randomly;
  - Very different standards in some of the courses and Learning Objectives were not explicitly stated in some courses; and
  - Confusion over platforms for different modules and over completion of courses and programme.
- A review of every course in Modules 2 & 3 was conducted by 2 members of the editorial committee / steering committee members listed in previous slide. Comments to improve / standardize the courses were fed back to the lecturers.

Improved Structure and Organization for EPE 2026

The committee agreed on the following structure and organization for EPE 2026:

- Most activities are still **virtual** (to be completed at students' own time before deadline, except for the presentation session)
- For **each module**, students are expected to
  - Spend about **10 hours for lectures**: 2 hours for each of the **3 compulsory courses & 2 elective courses** [encourage to complete more for your own learning]
  - Submit **1 written assignment**
- Attend a **1-hour session for individual presentation** scheduled on last two weeks of programme when student will do a **5-min presentation including 2 min Q&A**.
- **One self-recorded video** and **a written reflection** are also to be submitted at the end of the programme
- EPE will continue to utilize **2 learning platforms** but will work towards one platform eventually
  - Module 1 → Open University of Malaysia (OUM) LMS
  - Modules 2 and 3 → Asian Network for Education in Nuclear Technology (ANENT) LMS

Updated Requirements for Completion of Modules 2 & 3



COMPLETE

ALL 3 COMPULSORY + AT LEAST 2 OPTIONAL COURSES FOR EACH MODULE WHICH INCLUDE

1) AN MCQ OR T/F QUIZ AT THE END OF EACH COURSE [UPDATED]

2) ONE WRITTEN ASSIGNMENT EACH FOR MODULE 2 AND 3 [UPDATED]



DELIVER A PRESENTATION

OF 3-MINUTE DURATION, AT ONE OF THE ONLINE SESSIONS [NEW]

SUBMIT A VIDEO

OF 5-MINUTE DURATION TO BE SUBMITTED BEFORE END OF PROGRAMME [NEW]



SUBMIT SURVEYS

AT THE END OF EACH COURSE, MODULE & PROGRAMME

AND A REFLECTION

AT THE END OF THE PROGRAMME

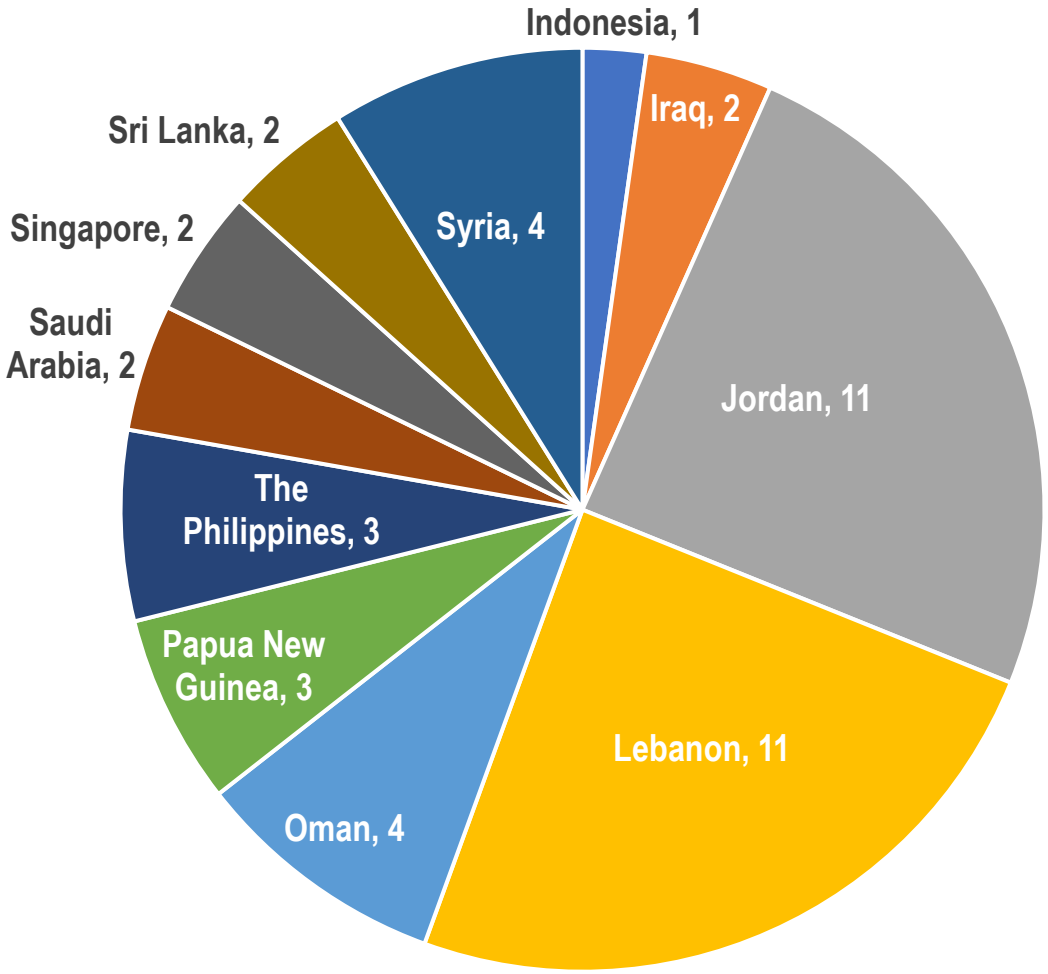
Improvements and Launch of EPE 2026

- Improvements on the courses were implemented by lecturers after the review.
- EPE 2026 was launched on May 18. The schedule for EPE is given below:

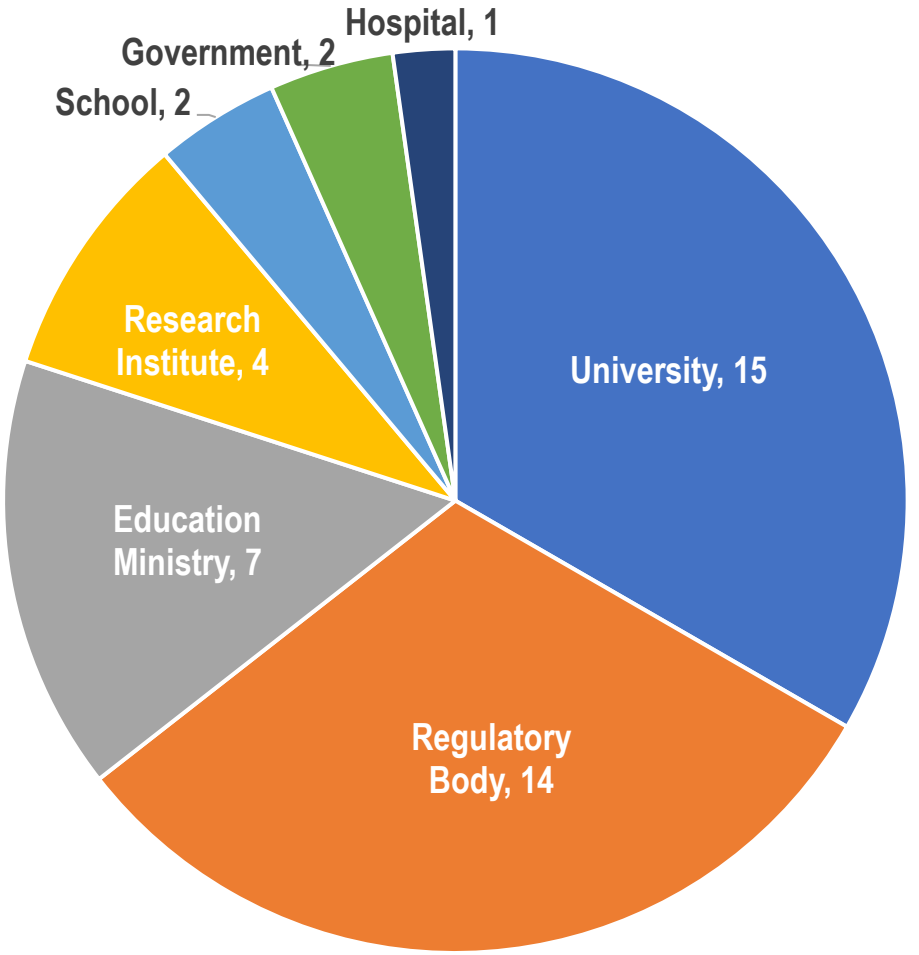
Date	Activity	Remarks
18 May 2026	Opening Session	
18 May 2026 – 31 July 2026	Module 1	Encouraged to complete Core courses by end of June
1 Jul 2026 – 31 Oct 2026	Modules 2 & 3	Deadline of assignments and video on 31 Oct
17 Oct 2026 – 31 Oct 2026	Presentation Sessions	Students choose only one session to attend
15 Nov 2026	Closing Session	Tentative

EPE 2026 – Accepted Participants

❑ **45 participants** from 11 countries were initially accepted to the programme.



Countries of Participants



Category of Organizations of Participants

PARTICIPANTS BY COUNTRY

48 PARTICIPANTS • 12 COUNTRIES



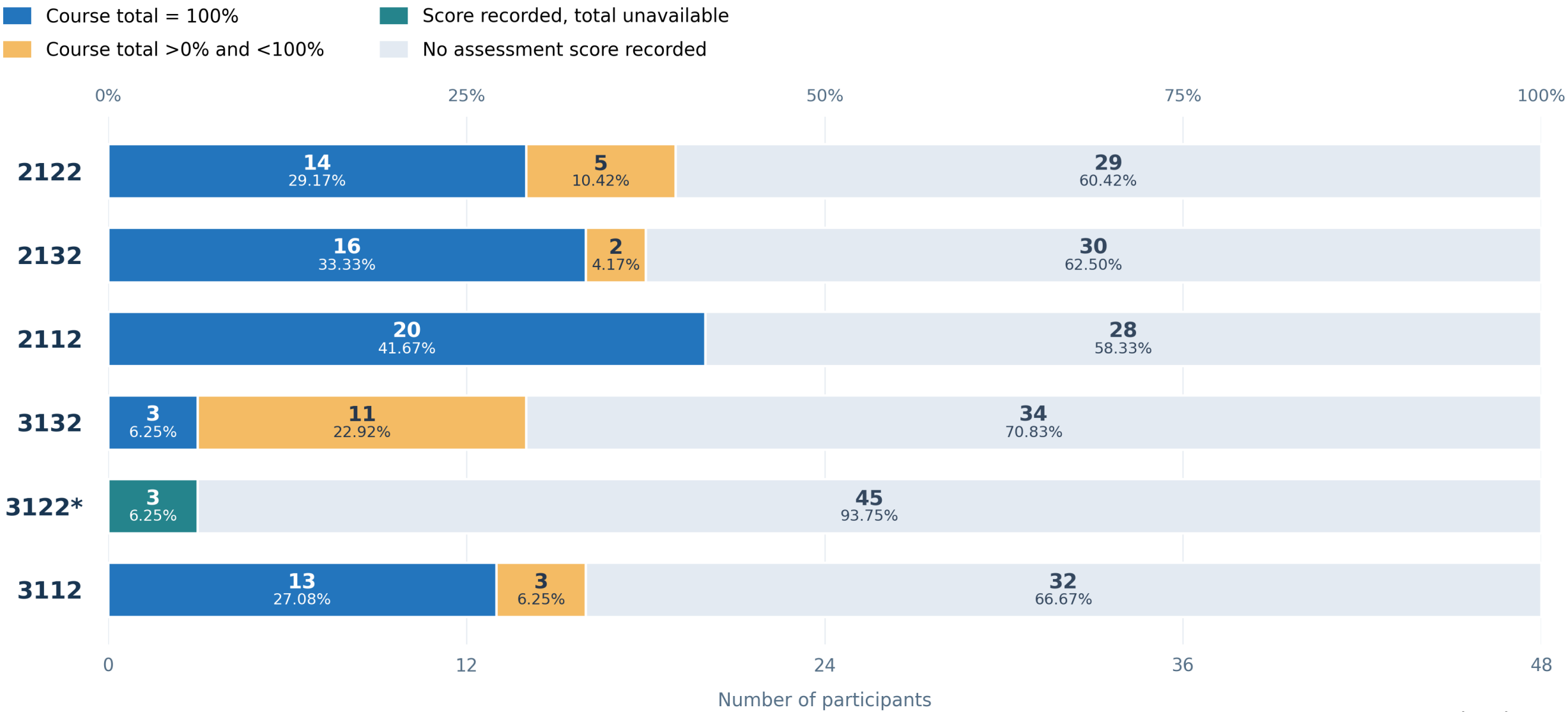
45 participants , 11 countries

Update:19/08/2026

Course assessment comparison

Six courses | 48 participants per course | Labels show number of people and percentage





Update: 1/10/2026

Structure of Executive Programme for Educators

Phase 1

3 Online Learning Modules

- Module 1: Learning Approaches & Strategies for the 21st Century
- Module 2: Global Agenda, Laws and Treaties
- Module 3: Roles of NST in Development

To be completed in 5 – 6 months

Phase 2

1 Onsite Module

- Module 4: Education Hub INSTA Schools

Chance to proceed only with completion of Phase 1

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Reference/ Backup Slides

October 1, 2026

Background and Motivation

- Nuclear science plays a significant role and contributes directly to **9 of the 17 SDGs**.
- **Education** serves as a fundamental component for all of the SDGs.
- Educators face limited resources, workforce challenges and conflicting demands that affect learning and facilitation especially in the field of Nuclear Science & Technology (NST).
- IAEA has been supporting professional education and training in NST through various technical cooperation (TC) projects.
- Through IAEA TC project RAS0091, the **International Nuclear Science and Technology Academy (INSTA) was established in 2021** to support NST education at the secondary and tertiary level.



INSTA Executive Programme for Educators (EPE)

- **Conceived in 2022** to support educators in empowering them to leverage the knowledge of NST in their own institution or respective fields.
- EPE is the **flagship programme** of INSTA
- Designed for **experienced professionals and educators**
- Focuses on a simple, **WOW factor** and **state of the art education approach**
- Incorporates case study and research-based presentations, discussions and exercises taught by **INSTA faculties/members**
- **Maximises organizational and personal impact** while **minimizing disruption to work and family life**
- EPE had its **first run in 2024** and was well received.
- **12 out of the 24 participants** who completed Phase 1 of EPE proceeded to join the **INSTA Spring School in Japan (Phase 2)** in 2025 and the rest given the opportunities to join various other physical nuclear programmes.

Objectives of Executive Programme for Educators



To develop deeper understanding of the global agenda, legislation, and treaties and on Nuclear Science and Technology (NST) contributions and relation to them



To improve competency of imparting knowledge on NST through effective learning and facilitation



To inspire new generation of educators on benefits and potential of NST or socio-economic development



To promote growth, research, development and innovation of NST in one own's field



To strengthen collaboration towards improving NST education and optimize nuclear knowledge management collectively

Modules and Courses for EPE Phase 1 (Online Mode)

	Module 1: Learning approaches & strategies for the 21st century	Module 2: Global agenda, laws and treaties	Module 3: Role of NST in development
Compulsory	✓**Educator Paradigm for Life-long Learning** ✓**Learning & Facilitation** ✓**Pedagogical Approaches**	✓**United Nation Sustainable Development Goals** ✓**International Convention & Treaties** ✓**International Atomic Energy Agency and Partners**	✓**Principles of Nuclear Science & Technology** ✓**Nuclear Knowledge Management** ✓**Educator's Role in NST**
Optional	• Ethics in Nuclear Science and Technology • The "Gogies" • Creative Content • Internet Revolution Learning • Learning Design • Learning Assessment • Learning Theories	• Radiation and Realism • Nuclear Safety • Nuclear Security • Nuclear Safeguards • Education Networking • Nuclear Safety Culture • International Cooperation	• Radiation Medicine for Human Health • Agriculture: Soil and Water Management and Crop Production • Food Quality and Safety • Environmental Preservation • RR and Particle Accelerators • Powering the Future: SMRs

WG2 – Role & Members

As stated in INSTA Governance Framework (or Terms of Reference):

> Working Group 2 "shall be responsible for **developing educational programmes and platforms** to address **current and growing needs** for qualified educators in Member States (curriculum development, educational material, education platforms, etc.)"

Members who had indicated that they were interested in joining WG2 (as in 2025)

#	Organisation	Country	PoC 1
1	Tsinghua University	China	Jiejuan Tong
2	Chulalongkorn University	Thailand	Phongphaeth Pengvanich
3	Atomic Energy Commission of Syria	Syria	Ibrahim Othman
4	Mapua University	Philippines	Alvin Caparanga
5	National University of Malaysia	Malaysia	Irman Abdul Rahman
6	University of Nizwa	Oman	Harith Al-Azri
7	Universitas Gadjah Mada	Indonesia	Sihana Sihana
8	University of Dhaka	Bangladesh	Md Shafiqul Islam
9	Harbin Engineering University	China	Puzhen GAO
10	Harbin Institute of Technology	China	Hongchun Ding
11	East China University of Technology	China	Yibao LIU
12	Nuclear Science and Technology Institute	Iran	Meisam Torab Mostaedi
13	Shenzhen University	China	Jipu Wang
14	Universiti Putra Malaysia	Malaysia	Anita Abd Rahman
15	Bangladesh Agricultural University	Bangladesh	Mohammad Mofizur
16	Open University Malaysia	Malaysia	Thirumeni T Subramaniam
17	King Saud University	Saudi Arabia	Ahmed Basfar
18	Ministry of Education	Thailand	Poramet Charoynoot
19	University of Colombo	Sri Lanka	Manuja Lamabadusuriya
20	Royal University of Phnom Penh	Cambodia	Chan Oeurn Chey
21	National University of Mongolia	Mongolia	Odsuren Myagmarjav
22	KACST Academy	Saudi Arabia	Anas Alwafi
23	Sultan Qaboos University	Oman	Hajir Al Hamrashdi
24	Korea Atomic Energy Research Institute	South Korea	Ik Jeong
25	Universiti Sains	Malaysia	Mohd Hafiz Mohd Zin
26	Universiti Teknologi Mara	Malaysia	Ahmad Taufek Abdul Rahman
27	Universiti Tenaga Nasional	Malaysia	Mohd Syukri Yahya
28	Nuclear Industry College of CNCC	China	Hui Lin
29	University of Jaffna	Sri Lanka	Thirunavukkarasu Pathmathas
30	Jordan Atomic Energy Commission	Jordan	Ahamad Alsabbagh
31	Mahidol University	Thailand	Amnat Jarerat
32	Tribhuvan University	Nepal	Bal Vikram Khatri