INSTA Working Group 2
– Report of Action Plan & Progress

Regional Meeting on Nuclear Education and Training in Asia Pacific: Achievements and Future Strategic Planning, Chiang Mai, Thailand (17-21 August 2026)

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INSTA Working Group 2 – Roles and Tasks

WG1

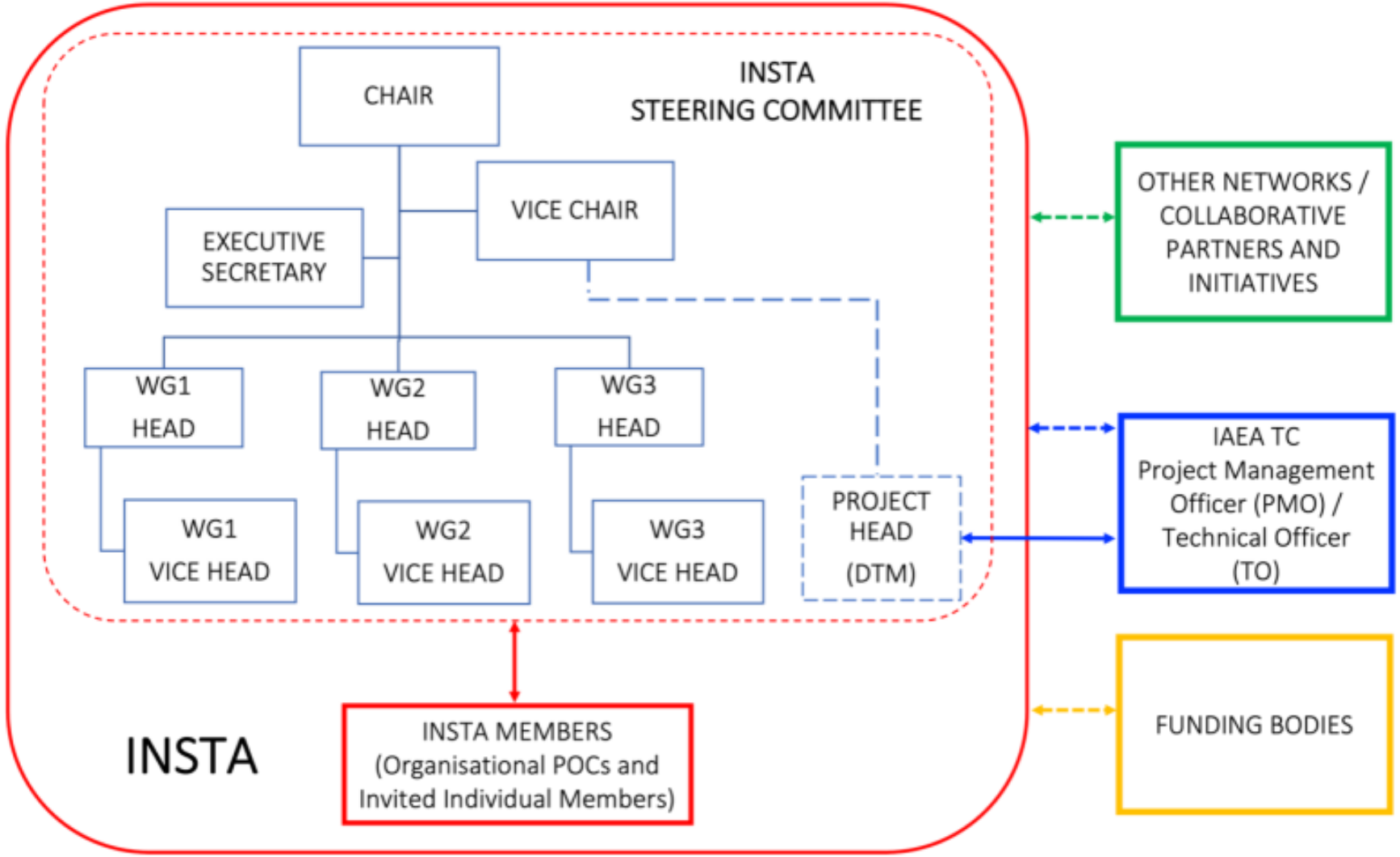
Facilitate linkages among academic institutions and stakeholders

WG2

Programme & Platform Development

WG3

Special Programmes (including INSTA Schools)



WG2 – Role & Members (2025)

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

Action Plan Agreed in 2025 Regional Meeting (Penang)

During the Regional Meeting on *Enhancing Partnerships in the area of Education, Research and Training* held in Penang, Malaysia (23 – 27 June 2025), the following action plan was agreed:

- At least 2 Working Group 2 Meetings for members
- Review of Courses and Administration of EPE
- Implementing improvements to EPE
- Launch 2nd EPE in 2026
- Compilation of NST Programs

Working Group 2 Meetings

- One online meeting for Working Group 2 members was held during this period.
- During the Meeting, the background of WG2, its roles and action plan for coming year were explained. Volunteers were sought for both the Editorial Committee ofor EPE and Team to work on the Compilation of NST Programmes in members' countries.
- A proposal by Prof Ahmed Ali Basfar of King Saud University on "*Developing a Model Educational Curriculum on Artificial Intelligence for Nuclear Science and Technology*" was also discussed.
- Despite the large number of members indicating interest to participate in WG2 activities, only a few members turned up.

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, THU)
  - 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 helped in the review.

Review of Courses and Administration of EPE

- During the Workshop, the Committee discussed the shortcomings of EPE conducted in 2024 and ways to improve it so as:
  - To reduce the demand on the lecturer, especially in the assessment,
  - Find ways to continue to conduct meaningful face-to-face sessions,
  - Allow the participants to practice what they learn in Module 1
  - Standardise and improve the delivery and contents of the courses for Modules 2 and 3 (**2 members reviewed each course and provided feedback to the lecturers**)
  - Provide feedback to further improve future EPEs.
- Some of the most important changes to the assessment and requirements for completion of EPE Phase 1 were listed in the next three slides and will be discussed again in another session during this workshop.

Assessments (Conclusion from Days 2 & 3)

Slides from Jan Workshop

- **Course Level**:
  - Assessments must be able to be marked by system
  - Simple MCQs (4 choices) or T/F, should have min of 10 questions for whole course
  - Up to two attempts can be made to reach passing level (80%) – 1.5 min per questions. *[Note: students will be informed of the total mark scored but not on correct answers or which questions they got wrong.]*
  - Based on materials of lectures

- **Module level (Modules 2 & 3 only)**
  - For each module**, choose and submit 1 out of 3 given assignments (i.e., one assignment will be given for each compulsory course)**
  - Ideally, assignment should include an element so that participants need to include materials from the elective courses they have taken as case study.
  - Course instructors to grade. Marking based on Pass/Fail with feedback to participants. If given Fail grade, lecturer must give good justifications and suggestions to improve. Participants will be given one chance for re-submission.

- **Programme level**:
  - A **written reflection** is requested from the participants covering (1) gains from programme, (2) how participants will use the materials in work, (3) strengths and weaknesses of programme. No grade but must submit as part of requirement for completion of module.

Presentation (Conclusion from Days 2 & 3)

Slides from Jan Workshop

- In place of attendance to discussion session, each student will give a **3-minute presentation** (with exactly 1 slide /poster – no overlapping contents through animation) + 2 min Q&A. [Presentation and self-recorded video can be based on the same topic.]
- Up to 15 participants per session (75 min). Number of places should be at least 30% more than expected number of participants to ensure places for all participants. Slots will be opened (probably on 4th month) for registration and participants will be allocated on first-come-first-served basis.
- Possible presentation topics on peaceful uses of NST and the corresponding education
  1. Good ideas on that they would like to share
  2. Some plans or proposals they would like to share or pitch
  3. Good practices in NST
  4. How EPE has prepared them for teaching NST-related education programmes
- All lecturers will attend at least one session. At least 3 lecturers per session.
- No grade but is compulsory and may be taken as one of the factors in the selection of participants in INSTA Schools.

Self-Record Video (Conclusion from Days 2 & 3)

Slides from Jan Workshop

- **Self-recorded Video**:
  - Participants to produce **one** self-recorded video
  - Duration of video should be about 5 minutes (± 30 seconds)
  - To be submitted to LMS and peer-reviewed. Fellow participants will vote for the top three videos. The selected top video(s) will receive awards and be highlighted in the Closing Ceremony and other occasions.
  - The quality of video may be one of the selection criteria for participation at INSTA Schools.
  - Examples of topics for videos will be given but participants can choose to produce other videos related to NST.
  - Must submit to be considered that programme is completed.

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 participants should have completed Module 1 on OUM LMS by 31 July and started working on Modules 2 & 3 on ANENT LMS and expected to last till end of October.

Progress of Tasks in Action Plan

- Overall, Working Group 2 has achieved most of the action plan set out
  - At least 2 Working Group 2 Meetings for members [1/2]
  - Review of Courses and Administration of EPE [✓]
  - Implementing improvements to EPE [✓]
  - Launch 2nd EPE in 2026 [✓]
  - Compilation of NST Programmes [✗]
- The compilation of NST Programmes will likely be taken over by WG1 this year while WG2 focuses our effort on conducting and improving EPE.