

Participation in the U.S. Department of State–Hosted FIRST Workshop
in Kuala Lumpur, Malaysia

JICC, in collaboration with the Association for Overseas Technical Cooperation and Sustainable Partnerships (AOTS), supported the U.S. Department of State (US-DOS) in preparing the Foundational Infrastructure for Responsible Use of Small Modular Reactor Technology (FIRST) Workshop and, as experts under a METI-commissioned project implemented by AOTS, participated in the FIRST Workshop held in Kuala Lumpur, Malaysia (August 19–22), hosted by the US-DOS with the participation of METI, delivering lectures and providing guidance. The Japan Atomic Power Company also participated and delivered lectures as AOTS experts.

<Background / Objectives>

Malaysia has resumed consideration of nuclear power to achieve carbon neutrality by 2050. The 13th Malaysia Plan targets approximately 300 MW of nuclear capacity by 2031 under a PETRA-led framework with MyPower as NEPIO (Nuclear Energy Programme Implementing Organization). The workshop, held under Japan–U.S.–Malaysia cooperation, focused on knowledge sharing on responsible use of SMR technology and human resource development.

<Detail>

Approximately 40 participants attended the workshop, including representatives from PETRA, MyPower, EC, MOSTI, MNA, TNB, and PETRONAS.

Keynote sessions addressed Malaysia’s nuclear plans and the role of nuclear in the energy mix. Japanese, U.S., and UK experts delivered lectures and held discussions on reactor technology assessment (RTA), siting, stakeholder engagement, human resource development, and regulatory frameworks, followed by bilateral meetings.

<Results>

- ① Japanese experts delivered lectures on siting, post-Fukushima communication, and human resource development, and facilitated the RTA session, enhancing participants’ understanding.
- ② Through meetings with PETRA, MyPower, EC, TNB, and PETRONAS, recent developments were confirmed, key challenges were shared, and the importance of continued Japan–U.S. support was reaffirmed.
- ③ A US-Japan bilateral meeting strengthened collaboration between both countries and reaffirmed commitment to future engagements.

