

International Conference on the Safety of Radioactive Waste Management, Decommissioning, Environmental Protection and Remediation: Ensuring Safety and Enabling Sustainability



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Utilizing international cooperation in the development and sustainability of the UAE Nuclear Program

As a member state of the IAEA since 1976, and as a nuclear energy producing nation since 2021, the UAE Nuclear Programme has seen remarkable growth in the past years which has owed to the international cooperation especially with the IAEA. The paper will highlight the lessons learned through the IAEA peer review services, advisory missions, and Review Meetings of Contracting Parties to the Joint Convention.

The UAE currently has multiple ongoing projects including the Barakah Nuclear Power Plant, the first to be built and operated in the UAE and in the Arab World, consisting of (4) APR-1400 technology reactor units in Al-Dhafra region of the Abu Dhabi Emirate, as well as promising projects in other elements of the nuclear fuel cycle including radioactive waste management. The UAE heavily invests in the nuclear industry for economic and environmental welfare.

The UAE will be hosting COP28 this year as nations come together to find solutions for climate change. The paper will present the practical solutions provided by the emerging UAE Nuclear Programme that supports the initiative announced by the UAE President to designate the year 2023 as the 'Year of Sustainability' to inspire collective action through a nationwide commitment towards sustainable practices and foster international collaboration to address challenges.

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