

# Chapter 1

## Purpose of the Project

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## Purpose of the Project

Some countries in East Asia intend to proactively introduce and expand nuclear power generation in the future to respond to the rapidly increasing demand for electricity. If any significant accident were to occur at a nuclear power plant (NPP), it would not only affect the country that was the source of the accident, but would also cause widespread damage in other East Asian countries and raise concerns over nuclear safety and radioactive hazards. Therefore, it is necessary to review appropriate nuclear security and nuclear safety management measures, and to establish a shared awareness in light of the energy situations, infrastructure, technological levels, and other circumstances of emerging countries in East Asia.

Based on the above-described goals, this research targets emerging countries in East Asia that plan to introduce or expand nuclear power generation, or are considering the possibility of doing so, and compares the present situation in these countries with regard to safety regulation and nuclear security systems. This is aimed at identifying problems in establishing an information-sharing system for accidents and in considering desirable cross-border cooperation. Through these efforts, the aim is to achieve the so-called '3Ss'—enhancement of nuclear safety standards and nuclear security, and establishment of nuclear non-proliferation safeguards—in East Asia, and thereby contribute to promoting the utilisation of nuclear energy on a scale appropriate to the increase in energy demand in this region. The research project was endorsed by East Asia Summit Energy Ministers Meetings from 2012 to 2014, as the importance of nuclear safety management became ever more relevant.

This report collects and assembles information and outputs obtained from discussions through the working group meetings, country reports from members and research trips to Nordic countries. Chapter 2 contains information from the members of the working group with regard to safety regulatory systems, emergency preparedness, and participation in international activities. Chapter 3 reports regional collaborative activities in European countries, especially in Nordic countries, and reviews some

frameworks on existing international cooperation. The final chapter, Chapter 4, presents some proposals for establishing guidelines for regional collaboration in East Asian countries in the case of a radioactive emergency, including ideas and suggestions from members.