

Chapter 1

Purpose of the Project

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CHAPTER 1

Purpose of the Project

Despite the rapidly increasing demand for electricity among countries in the region, only a few emerging countries in East Asia intend to proactively introduce and expand nuclear power generation in the future. If any significant accident were to occur at a nuclear power plant, it would not only affect the relevant country but would also cause widespread damage in other East Asian countries and raise concerns over nuclear safety and radioactive hazards.

It is, therefore, necessary to review appropriate nuclear security and nuclear safety management measures and, in light of the energy situations, to establish a shared awareness, infrastructure, technological levels, and other circumstances for the benefit of emerging countries in East Asia.

Based on these goals, this research targets emerging countries in East Asia that plan to introduce, expand, or consider the possibility of using nuclear power generation; and compares the present safety regulations and nuclear security systems in these countries in order to identify problems in establishing an information sharing system for accidents and in considering desirable cross-border cooperation. Through these efforts, this research aims to achieve the 3S's—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.

This report collects and assembles the information and outputs obtained from the discussions in working group meetings, country reports of members, and suggestions from nuclear safety management experts. In chapter 2, information from members of the working group and challenges in European countries toward regional cooperation on nuclear emergency preparedness are described. In chapter 3, some frameworks on existing international

cooperation are reviewed, and in the final chapter, some proposals for a practical regional cooperation, including ideas and suggestions from members, are described.