



## *Message from the President*

児玉 敏雄

*President Toshio KODAMA*

We sincerely thank you for your understanding and continuous support regarding the research and development (R&D) activities of the Japan Atomic Energy Agency (JAEA).

JAEA's mission as the only comprehensive nuclear R&D institution in Japan is to contribute to the welfare and prosperity of human society through nuclear science and technology. Therefore, we undertake R&D in active cooperation and collaboration with industries and universities. Our studies have included cases such as the accident at the Fukushima Daiichi Nuclear Power Station (NPS) operated by the Tokyo Electric Power Company Holdings, Inc.; research on nuclear safety improvement; R&D toward the establishment of nuclear fuel recycling technologies, including fast reactors and reprocessing; and the development of technology for the treatment and disposal of radioactive waste. Furthermore, to support these activities and create new technologies, nuclear science and engineering research has also been implemented, together with the development in human resources.

Regarding the efforts to respond to the accident at the Fukushima Daiichi NPS, we have conducted and will continue to further research into the decommissioning and environmental recovery based on the medium- to long-term roadmap for decommissioning and the “Basic Guidelines for the Reconstruction and Revitalization of Fukushima”. Additionally, we are preparing to resume the operation of research reactors, such as the JRR-3, and strive to provide world-leading fundamental research and research on the improvement of safety. Based on the strategic roadmap developed by the government last December, we have conducted research on various types of reactor technologies, including the development of fast reactors and advanced reactors.

Additionally, based on the “Back-end Roadmap” and “Medium/Long-Term Management Plan of JAEA Facilities”, we have and will continue to safely and steadily advance decommissioning and back-end measures for, among others, the Monju, Fugen, and Tokai Reprocessing Plant.

This work aims to introduce representative topics of the latest our R&D achievements.

We are pleased to provide further understanding into JAEA's accomplishments through this publication, and we appreciate your continued encouragement and cooperation for our R&D activities.