

# *Message from the President*

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*President Atsuyuki Suzuki*



Welcome to the fifth issue of the “JAEA R&D Review”, informing you of the current R&D activities of the Japan Atomic Energy Agency (JAEA).

This year, JAEA has started its activities under the second 5-year mid-term plan. JAEA was reorganized in 2005 as the sole comprehensive R&D institute for nuclear energy in Japan. JAEA has promoted a wide range of research and development, including establishment of future nuclear fuel cycle technology, basic research and practical application related to nuclear energy.

Recently, the importance of energy security and global environmental issues has become universally recognized, and the role of nuclear technology is significant in supporting the sustained development of mankind.

In this context, on the premise of safety and reliability, we continued R&D of “MONJU” and related techniques toward the completion of fast breeder reactor fuel cycle. In the field of R&D for utilization of applied quantum beams, JAEA continues to put great effort into the operation J-PARC (Japan Proton Accelerator Research Complex) which utilizes the most advanced quantum beam technologies. In the field of fusion energy, the International Fusion Energy Research Center (IFERC) was completed at Rokkasho in March 2010, as the one of the Broader Approach (BA) activities under the International Thermonuclear Experimental Reactor (ITER) Project. Furthermore, we will steadily promote the development of technology for treatment and geological isolation of high-level radioactive wastes, as well as decommissioning engineering for our own nuclear facilities, and disposal of low-level radioactive wastes from research facilities in Japan.

In these ways, we will actively transmit and utilize our R&D results on nuclear engineering, nationally and internationally.

This publication constitutes a review of our achievements in the fiscal year 2009. It provides you with a look at some of the work that has been carried out, and also invites you to check the references listed and contact the researchers if there are any topics that you wish to learn more about. I would be most gratified if I could hear from you with any comments on this publication.

I hope that you enjoy this publication. Thank you for your interest.