

Other Session

Outline of MEXT R&D programs for nuclear technology;
Around the International Programs

(2) An overview of nuclear fission research in the UK – impact and opportunities

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1. Introduction

EPSRC is the main UK government agency for funding research and training in engineering and the physical sciences, investing more than £800 million a year in a broad range of subjects - from mathematics to materials science, and from information technology to energy research. EPSRC recognises the need to provide national and international leadership while continuing to work in close partnership with UK universities, industry and international funding agencies including the Japan Science and Technology Agency (JST).

The Research Councils' UK Energy theme aims to position the UK to meet its energy and environmental targets and policy goals through world-class research and training. A significant proportion of the Energy theme budget is invested in underpinning research for nuclear fission. EPSRC, in collaboration with The Japanese Ministry of Education, Sport, Culture and Technology (MEXT) and the Japan Science and Technology Agency (JST), supports a broad range of research projects in the removal of fuel debris and environmental safety around reactor core decommissioning of the TEPCO Fukushima Daiichi Nuclear Power Plant (NPP).

This presentation will share details about the current breadth of the EPSRC portfolio of nuclear fission research and discuss the ways in which EPSRC is supporting international research with Japan. Information will be shared about a future call for research proposals between the UK and Japan and talk more broadly about how EPSRC can facilitate collaborations between researchers based in the UK and Japan.