

UK – Japan Collaboration

A strong history and track record of collaboration:

- **Tokai Unit 1:** Magnox GCR, 1966 – 1998
- **ThORP reprocessing:** PWR and BWRs fuel to 2018
- **Fukushima support:** Mike Weightman; NDA
- **Future Japan nuclear investment:** beyond Horizon...

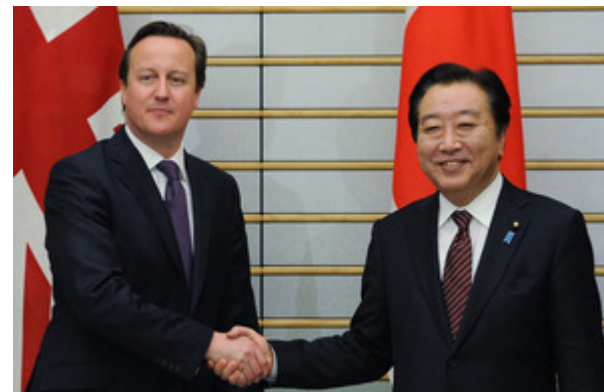


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- Future Japan nuclear investment: beyond Horizon...

- Visit of UK Prime Minister to Japan, April 2012
- Visit of Prime Minister of Japan to UK, May 2014
- Joint Memorandum of Understanding, Dec 2016
- Japan-UK Framework on Civil Nuclear Co-operation
- Annual UK – Japan Annual Nuclear Dialogue



UK Prime Minister David Cameron meets with Japanese Prime Minister Yoshihiko Noda on 10 April 2012.



Business Secretary Greg Clark and Japan Economy Minister Hiroshige Seko sign memorandum in Tokyo

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 - Annual UK – Japan Annual Nuclear Dialogue
 - Annual joint UK – Japan Civil Nuclear Research call
 - Now in Phase VI – ca. £250k / 2 years



UK Japan Civil Nuclear Research Programme

Call type: Invitation for proposals

Closing date: 09:00 on 19th June 2014.

Related themes: Energy, Engineering, Manufacturing the future, Physical Sciences.

Summary

EPSRC in collaboration with The Japanese Ministry of Education Sport Culture and Technology (MEXT) and Science and Technology Agency (JST) seek collaborative research applications in severe nuclear accident studies and environmental safety. This call represents the first phase of this new collaboration and is for small projects of approximately two and a half years duration and is intended as a springboard for deeper and larger collaborations in the future.

Background

This collaboration has arisen from negotiations between the FCO and EPSRC in the UK and MEXT, JST and JAEA in Japan. These negotiations culminated at a meeting at the FCO in October last year where it was agreed that a joint collaborative programme of research should be initiated. The initial subject areas were agreed as being severe accident and environmental safety research. It is intended that these initial areas will be expanded in collaborative calls made in the future.

This call seeks to support two projects, one in severe accidents and one in environmental safety. The project are to be of fixed duration, having a fixed start date in November 2014 and an end date of 31st March 2017, in order to accommodate the Japanese funding cycle.

As this is a joint call with JST and MEXT in Japan all applications should be collaborative, with the UK partner submitting their part of the proposal to EPSRC and the Japanese partner submitting their part of the proposal to JST. This call seeks to support one project in severe accidents and one project in nuclear safety.

Please note the following differences to a standard application

- The projects must have a fixed start in November 2014 and an end date of 31st March 2017 in order to accommodate the Japanese funding cycle.
- The call will have a closing time of 9am on 19th of June. This is to coordinate with the Japan closing time of 5pm.
- The case for support is allowed two extra pages to bring it into line with the allowed limit in Japan
- The case for support should be common, in-so-far as this is possible, given the difference in language and script.

UK – Japan Collaboration

JUNO network for Japan – UK Nuclear Opportunities

- Supporting development of partnerships, collaboration, facilities, visits
- Annual academic mission to Japan and meeting
- Collaboration building workshops in Japan
- Support for T&S and holding meetings / conferences
- Liaison with British Embassy in Japan

➤ **Plans for 2019-2020**

- Research meeting and workshop (TBC: w/c 10 December)
- Pump priming funding for proof of concept collaborative projects (up to £50k)

Focus for today's session

- Barry Lennox & Kamada So – exemplar of successful project
- Roger Cowton – opportunities for UK – Japan collaboration in decommissioning
- Tetsushi Hino – Resource Renewable BWR (RBWR)

JUNO Network: Website



EPSRC Network for Japan – UK Nuclear Opportunities

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EPSRC Network for Japan – UK Nuclear Opportunities

Welcome

The EPSRC JUNO Network for Japan – UK nuclear Opportunities is driving forward bi-lateral collaborations in civil nuclear energy. Learn more from project leader Neil Hyatt,



www.juno.ac.uk