

## ADVANCED NUCLEAR RESEARCH

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### International Nuclear Energy Research Initiative (I-NERI)

I-NERI Bilateral Collaborations

#### United States and Brazil Agree on Joint Nuclear Energy Research Projects

Under the United States Department of Energy (DOE) and the Brazilian Ministry of Science and Technology (MST) bilateral Agreement signed on June 20, 2003, the Office of Nuclear Energy, Science and Technology's (NE) and the National Nuclear Energy Commission (CNEN) agreed to collaborate on one new joint project on October 18, 2005. This collaboration will begin in January 2006, be jointly worth about \$1.8 million over three years, and will be in the area of International Near Term Deployment (INTD).



The project is titled [System Implications of Multi-Modular Nuclear Power Plants](#). The objective of this project is to investigate the prospective approaches to implementation and management of a multi-modular nuclear plant so that technical issues can be identified and resolved. The outcome of this investigation is expected to be demonstration of strategies and methods that facilitate optimized use of the flexible characteristics of modular small reactors. The small modular reactor design to be used in this proposed project will be the International Reactor Innovative and Secure (IRIS) since all participating organizations are members of the IRIS Consortium. However, the results will be general and applicable to other small modular reactor concepts (e.g., PBMR).

Information regarding the I-NERI program or additional bilateral cooperation is available at the I-NERI website, which can be reached via [www.nuclear.gov](http://www.nuclear.gov).