

USNRC RIC 2017

Leveraging International Research and Facilities to Inform Regulatory Decisionmaking

Michael Case, Director
Division of Systems Analysis
Office of Nuclear Regulatory Research

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International Collaborations - Overview

- International Project Agreements
 - Over 100 bilateral and multilateral agreements with more than 30 countries and the Organisation for Economic Co-Operation and Development (OECD)
 - Specific selection criteria
 - Propose modifications or sponsor projects to meet NRC needs
 - Code sharing: CAMP, CSARP, and RAMP
- Foreign Assignee Program
 - Korea, Japan, France, and Switzerland

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International Collaborations - Disciplines

- Severe Accident and Accident Consequences
- Thermal-Hydraulic Code Assessment and Application
- Radiation Protection
- Digital Instrumentation and Controls
- Nuclear Fuels Analysis
- Seismic Safety
- Fire Protection
- Human Reliability
- Materials



International Collaborations - Benefits

- Leverage safety perspectives
 - Valuable, technical "in-kind" exchanges
 - Broader sharing of experimental and analytical data
 - Larger operational experience base
 - Foreign Assignee program provides cost-free subject matter experts
- Leverage financial resources
 - For some OECD projects - nearly a 10:1 cost leverage
 - ~ \$1.8M/year in participation fees collected
 - Avoid cost to build test facilities that are not available domestically



Panelists

- Jon Kvaalem, Deputy Project Manager
OECD Halden Reactor Project
- Véronique Rouyer, Safety Research Director
IRSN (FRANCE)
- Darryl L. Gordon, Manager, Project Development
AREVA NP Government Operations
- Robert S. Daum, Ph.D., Senior Program Manager
EPRI Fuel Reliability Program
- Rodney McCullum, Senior Director
Fuel and Decommissioning, NEI
