



U.S. Nuclear Waste Technical Review Board

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# Workshop Objectives and Board Perspectives on Siting of Radioactive Waste Facilities

Presented to:

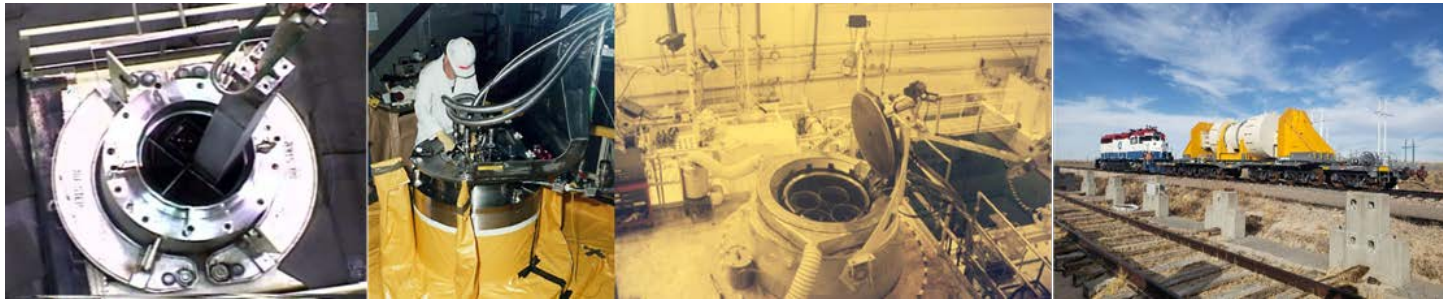
**Board's International Siting Workshop**

Presented By:

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# Board Mission

- The U.S. Nuclear Waste Technical Review Board's (Board) mission is to evaluate the “technical and scientific validity” of U.S. Department of Energy activities related to implementing the Nuclear Waste Policy Act
- These U.S. Department of Energy activities include:
  - Packaging of spent nuclear fuel and high-level radioactive waste and transportation of the wastes to a storage or disposal facility
  - Site characterization, design, and development of facilities for disposing of spent nuclear fuel or high-level radioactive waste



# Workshop Objectives

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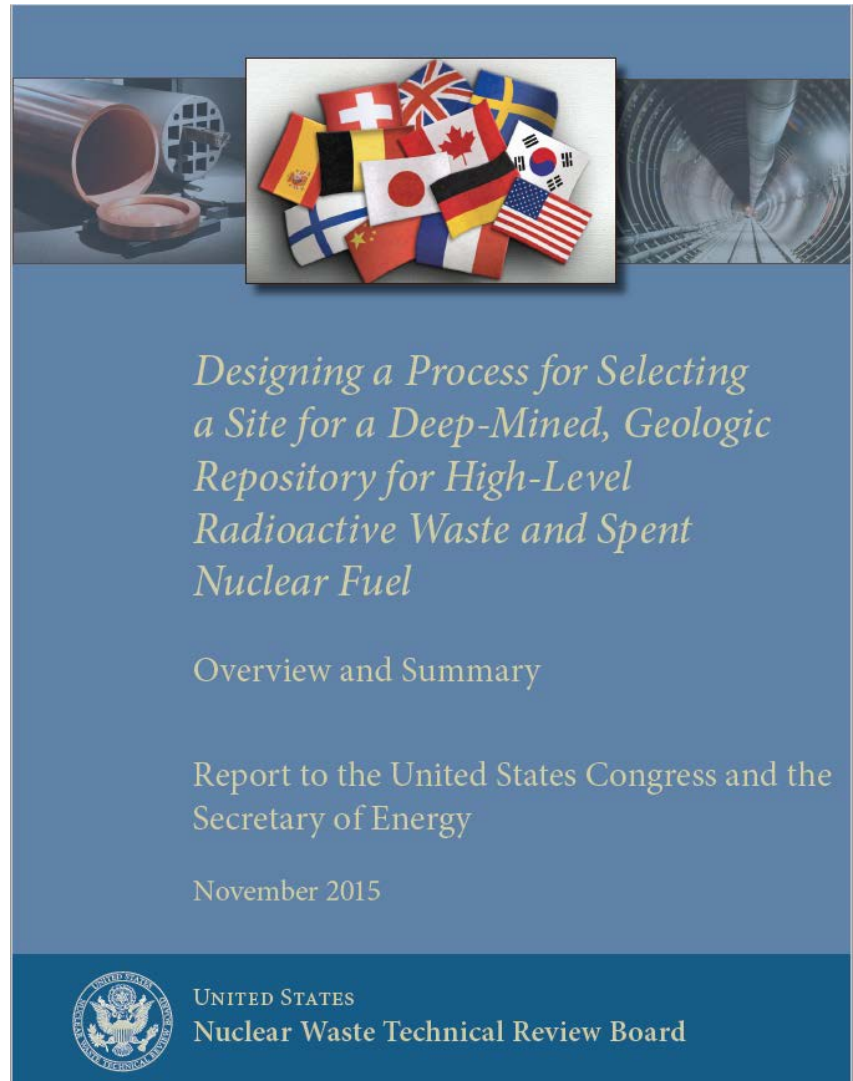


- Obtain information that may be applicable to the U.S. Department of Energy efforts to develop one or more federal interim storage facilities for commercial spent nuclear, using a consent-based siting process
- Support the Board's evaluation of the scientific and technical validity of U.S. Department of Energy's activities
  - Consent-based siting
  - Transportation preparations
  - Storage implementation
  - Systems analysis

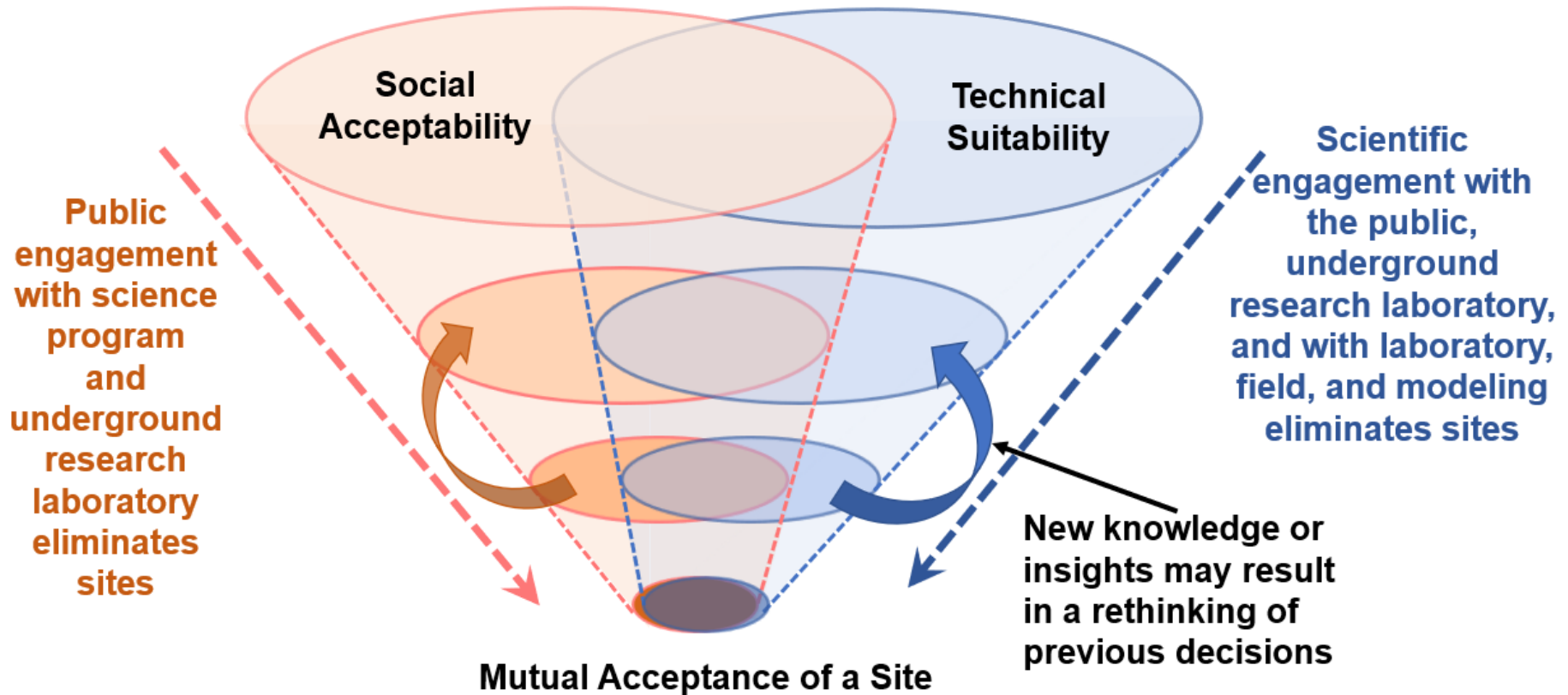


# Board Perspectives on Siting

- Board reviewed siting programs from 10 countries
- Siting is socio-technical challenge
- Each country addresses social acceptability and technical suitability
- Siting approaches differ between countries and reflect the national radioactive waste policy framework



# Board Perspectives on Siting



Development of a convergent pathway for siting a geologic repository

[revised from Figure 4-3 in *Six Overarching Recommendations for How to Move the Nation's Nuclear Waste Management Program Forward*, U.S. Nuclear Waste Technical Review Board (2021)]

