

### **3. Sessions for obstacles**

#### **Session 2 Recognizing and accommodating uncertainty**

- Does large uncertainty in PRA results mean they are not applicable for decision making? -**

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- Utilization of risk-informed decision making: benefits and obstacles -**

## Session 2 Recognizing and accommodating uncertainties

- Does large uncertainty in PRA results mean they are not applicable for decision making? -

### ➤ Background

- Regarding RIDM, information from PRA is only of the various information to be referred to. The way of handling “uncertainties” could be one of the obstacles to the proliferation of risk-informed decision making (RIDM).
- Methods of handling uncertainties exist in risk-informed assessment of internal and external events including natural external events.
- Uncertainties are not PRA-specific features or problems but exist regardless of method, as PRA only quantifies uncertainties. Uncertainties are not eliminated just by limiting to the deterministic method.

## Session 2 Recognizing and accommodating uncertainties

- Does large uncertainty in PRA results mean they are not applicable for decision making? -

### ➤ Recognition of issues and purpose of the session

- It is not considered best to perform deterministic and qualitative decision making without quantitative risk information because of uncertainty.
- (On the premise that PRA models and data are solid and reliable)  
For decision making using risk-informed assessment results incorporating uncertainty assessment, “obstacles” that persons concerned feel should be identified in specific to find out the causes of the obstacles.

## Session 2 Recognizing and accommodating uncertainties

- Does large uncertainty in PRA results mean they are not applicable for decision making? -

### ➤ Session structure

- a. Introduction (chairperson): 5min.
- b-1. Uncertainties and its Treatment (Masashi Matsuyama, NRRC): 20min.
- b-2. PRA Results and Decision Making with Uncertainty (Daisuke Sato, Tohoku Electric Power Co., Inc.): 20min.
- b-3. Consideration of Uncertainty in New Regulatory Requirements (Gen Murakami, Secretariat of the Nuclear Regulation Authority): 20min.
- c. Q&A and discussion: 50min.