



# **Lessons from Fukushima and the Way Forward**

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# Investigation Reports and Studies on Fukushima



- **Government Commission Report (July 2012 )**
- **Diet Commission Report (“Kurokawa Report”  
July 2012)**
- **Private-sector Report (February 2012)**
- **TEPCO Report (June 2012)**
  
- **New IAEA Study**
- **US Academy of Sciences Study**

# Findings (Kurokawa Report)



- **A “Manmade” disaster:**
  - \*Lack of safety culture ( “nuclear safety myth”, etc.)**
  - \*Weaknesses in organization and system (lack of independence; collusion between regulators and operators - “regulatory capture”)**
- **Organizational/management problems within TEPCO:**
  - \*Lack of preparedness, negligence, inaction...**
- **Weaknesses in emergency preparedness and response:**
  - \*Ambiguities in the roles and responsibilities of actors; inadequate risk communications**

# **Was the accident preventable?**



- Safety first policy not strictly enforced**
- Lack of preparations for SA (natural hazards)**
- Neglect of international good practices and safety standards**
- At Fukushima NPP, delays in back checks, reinforcements against big earthquake and tsunami**

# Seven Policy Recommendations (Kurokawa report)



- 1 Establishing oversight of the nuclear regulatory administration by a dedicated parliamentary committee (with support of expert advisory group)**
- 2 Reform of the crisis management system**
- 3 Enhancing Government responsibility for radiation monitoring and for public health and welfare**
- 4 Fundamental corporate changes at TEPCO**
- 5 Establishing criteria for the new regulatory body**
- 6 Reform of laws and regulations on nuclear energy and safety**
- 7 Setting up independent investigation commissions to follow up on specific unresolved issues**

## 5 Criteria for the new regulatory body



- **Independence:** from nuclear promoting organizations, from the operators, from politics
- **Transparency:** public disclosure of information
- **Professional expertise:** global standards, exchange with overseas regulatory bodies, advisory body with outside expertise
- **Proactive:** continuous reform



# International Dimensions

- Inviting IAEA's IRRS as soon as ready
- Bilateral cooperation  
(US, UK, France, Chernobyl-related and others)
- IAEA, OECD/NEA, WINS, WANO, etc.
- External Advisors
- Japan/Korea/China  
Trilateral cooperation framework (Top Regulators' Meeting) for Northeast Asia