

# **Roles of nuclear research institutes in HRD necessary for introduction of nuclear power**

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**FNCA 2009 Workshop on HRD**

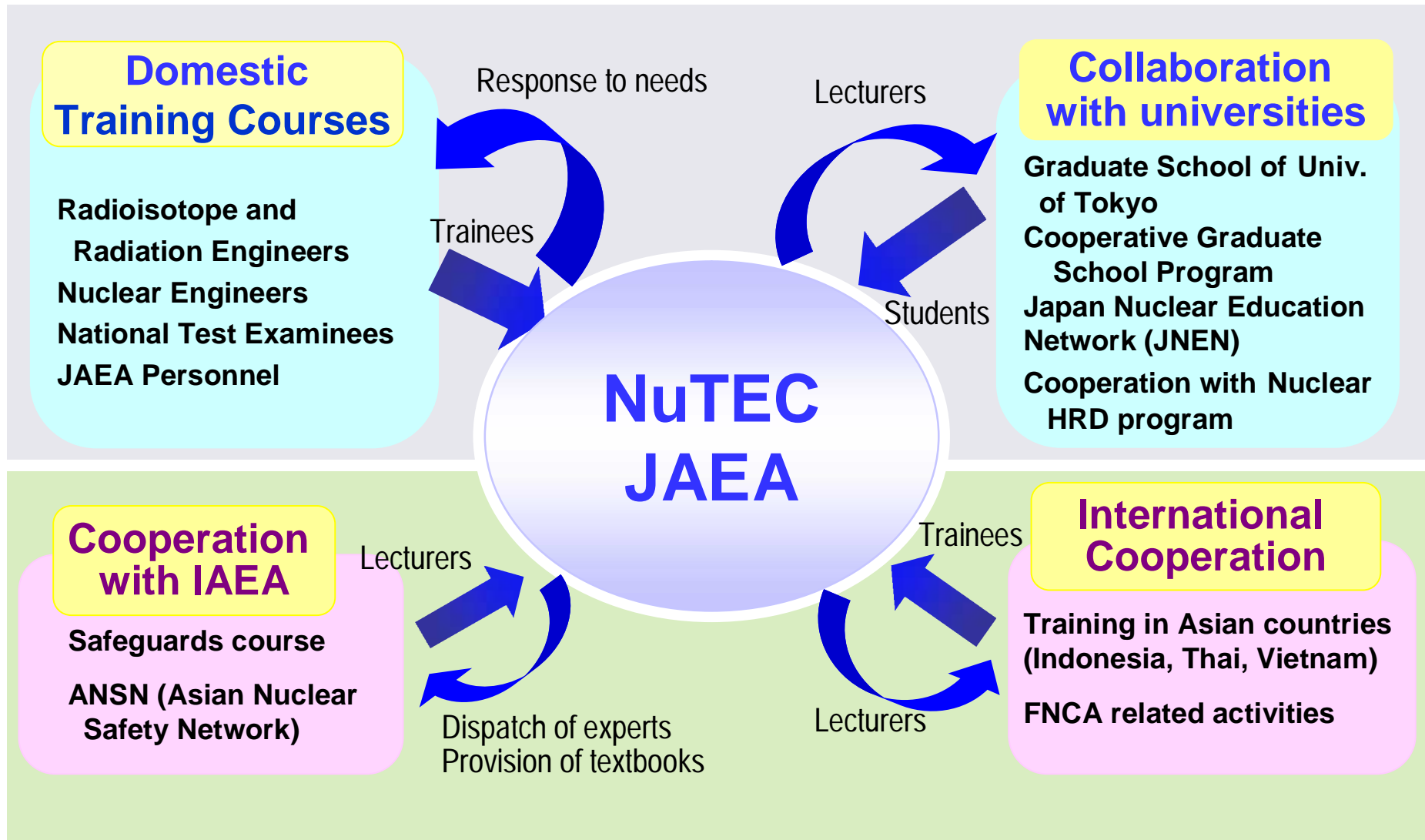
**June 23 – 24, 2009, Tsuruga, Japan**

# Advantages of nuclear research institutes for nuclear HRD

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- **Utilization of nuclear facilities (research reactors, RI treatment facilities, radiation measurement equipments, simulators...)**
- **Utilization of experts (reactor physics, thermal-hydraulics, nuclear engineering, reactor safety, radiation safety...)**
- **Utilization of experiences and expertises (code usage, knowledge, know-how...)**

# Outline of JAEA/NuTEC Activities



# Cooperation with IAEA Safeguards Training Course

As a contribution to the peaceful use of nuclear energy in Asia, Pacific and former part of the USSR and Eastern Europe, JAEA regularly provides participants with Safeguards Training Course to initiate, operate and maintain the Safeguards and Material Control System to meet the IAEA Safeguards.



Safeguards Training Course are conducted under entrustment by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan.

# Major Roles of nuclear research institutes in HRD necessary for introduction of nuclear power (1)

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## 1. HRD in nuclear power related areas for

- Industry's engineers especially for basic nuclear engineering fields mostly by Off-JT
- Central/local governmental officials (nuclear policy, safety regulation, inspection, non-proliferation, emergency preparedness...) especially for safety field mostly by Off-JT
- Nuclear related university students by lectures and exercises
- Institute's personnel, such as for reactor physics, thermal-hydraulics, safety, national licenses for reactors, RI/radiation treatment, reactor operation and maintenance by both OJT and Off-JT

## **Major Roles of nuclear research institutes in HRD necessary for introduction of nuclear power (2)**

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### **2. Nuclear power related international collaboration in HRD with**

- **FNCA, especially on HRD Project and HRD Database toward introduction of nuclear power**
- **IAEA, especially on non-proliferation areas and other schemes or networks, such as RCA, ANSN and ANENT**
- **Other international schemes, such as ASEAN**
- **Countries which have specific HRD needs on a bilateral base**

## **Major Roles of nuclear research institutes in HRD necessary for introduction of nuclear power (3)**

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### **3. Investigation of nuclear power related national and international HRD strategy**

- **For national nuclear policy on HRD**

### **4. Collection, analysis and distribution of nuclear power related HRD information**

- **For HRD related partners, such as industries, central/local government, universities, and own institutes**

# Summary

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**Major Roles of nuclear research institutes in HRD necessary for introduction of nuclear power will be:**

- 1. HRD in nuclear power related areas for industries, government, universities and their personnel**
- 2. Nuclear power related international collaboration in HRD**
- 3. Investigation of nuclear power related national and international HRD strategy**
- 4. Collection, analysis and distribution of nuclear power related HRD information**