Country Report of Japan

The 15th FNCA Ministerial Level Meeting Sydney, Australia November 19, 2014

FNCA MM 2014 country report

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Background: Challenges surrounding Japan (1)

Energy Security

- 6% energy self-sufficiency . Second lowest among 32 OECD member countries.
- 88% of fossil fuel imported from abroad.
- 81% of crude oil through the Strait of Hormuz.

Economy

- Fuel cost increase due to NPP shutdown: US\$33bn (2013)
- Electricity rate +19% for home use, +28% for industry use (2013>2010)

Background: Challenges surrounding Japan (2)

Global Warming

• CO2 emission +6.9% (2012>2010)

Anti-Nuclear Surge

 60-70% Public Opinion against restarting nuclear power reactors

The New Strategic Energy Plan

Good balance of 3E + S

Energy Security, Economic Efficiency, Environment and Safety

"Dependency on nuclear power generation will be lowered to the extent possible by energy saving and introducing renewable energy." "An important base-load power source; low- carbon, quasi-domestic energy source" "Carefully examine volume of electricity to be secured by nuclear power" 48 reactors idled; 20 under review by NRA, 2 cleared by NRA

"Promote the nuclear fuel cycle"
- to reduce volume and harmfulness of radioactive waste and to utilize resources -

Established the Nuclear Risk Research Center (NRRC) October 1, 2014

Fukushima Update

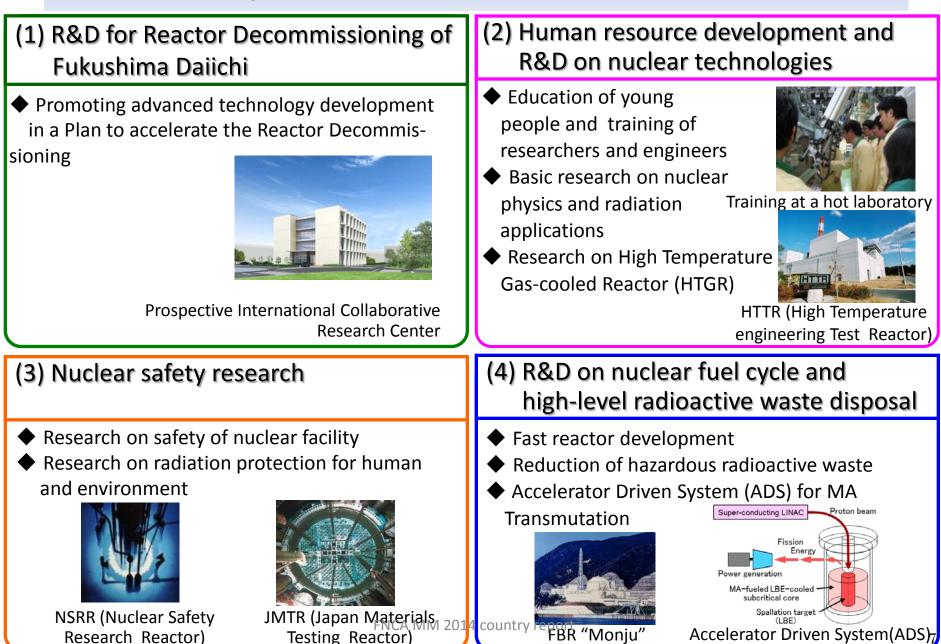
Decommissioning and contaminated water management

• Removal of 1533 fuel rods from Unit 4 waterpool to be completed.

Three ALPS in operation
Groundwater pumping and bypass (April 2014~)
Frozen-soil impermeable walls (March 2015~)

Evacuation orders lifted in some affected areas (April 2014) Publishing marine monitoring results (daily) and foods monitoring (weekly) Establish an international collaborative research center on decommissioning (April 2015)

Japan's Nuclear R&D Activities



Expectation to FNCA

Towards next 15 years of FNCA progress

Let's recall FNCA pioneers' spirit

- Our cooperation has to:
 - meet true needs of each country
 - provide tangible output
 - be flexible to take each country's situation into consideration
 - be horizontal rather than vertical , i.e. equal partnership

Counting on every country's leadership

• Ministerial level leadership and proactive involvement of Coordinators in designing the future FNCA's direction



Thank you