

WiN-Global 2006 Country Report for Republic of *Korea*

Presented by:
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About nuclear in Korea



- Number of reactors in service: 20 reactors (1,468,000million kWh/y)
- Percent of electricity from nuclear: 40 %)
- Reactor types:
 - 4 PHWR(CANDU), 16 PWR(6 USA-Westinghouse, 2 French-Framatome, 8 Korean-OPR1000)
- Future of nuclear power in Korea
 - New nuclear build underway: 4 PWR(OPR1000), 2 PWR (APR1400)
 - New nuclear build planned: 2 PWR (APR1400) and more build under consideration for meeting Kyoto Protocol (1,000MW OPR = effect of 7,500,000ton of CO² gas reduction/year)
 - R&D investment plan: hydrogen production technology using nuclear power/ 4th generation reactor in economics and safety enhancement.
 - High Level Radwaste Interim Storage: will be opened to collect the public's opinion.
- Number of WiN members:
 - 204 members plus 11 organization sponsors

About nuclear in Korea



- Radioactive Waste Disposal Facility Site
 - at Kyeongju of southeast part of Korea for Low and Intermediate Level Waste (LILW)
 - site selection project carried out since 1986 and met large number of protest and violence
 - selected by local referendum in Nov. 2005 under peaceful circumstances
 - 2,115,712m² for 800,000 drums in plan

WIN-Korea Activity in 2005



● Conference

1. 2005 Nuclear Symposium with Women
 - topic: Future Energy, Nuclear Power
 - 2005. 11. 9 at Conference Hall of National Congress
 - Plenary: 'Nuclear Energy and Climate Change with Economy' (Dr. Chang), 'Past, Present and Future of Radwaste Policy' (Dr. Cho)
 - Panel: five panelists from medical, industry, journal, energy research discussed about nuclear power's role, economy, peaceful use, etc.
2. Lunch Workshop at the 13th International Congress of Women Engineers and Scientist (ICWES13)
 - Topic: Radwaste disposal facility
 - '05.8.27 at Ehwa Womans University
 - speakers: Linda Keen (CEO, Canadian Nuclear Safety Commission)
Nam Sook Lee (Director, Korea Nuclear Energy Foundation)
Susan Brissett (Bruce Power/President of WIN-Canada)
3. General meeting: in the morning at same place of 2005 Symposium
 - participants: 100

WIN-Korea Activity in 2005



- Conference



- Workshop



- General Meeting: invited speech for Image making



WIN-Korea Activity in 2005



- Home Page (www.winkorea.or.kr)
 - Upgrade with structure and E-news issued monthly
- E-news
 - Issued monthly since July 2005
 - Distribute to all the members and relevant organizations
 - Reviewable at the website of WIN-Korea
- Public Communication
 - Journal: article
 - Lecture: primary, high school education
 - Book publication: cooperation with other women science organization
- Research project proposal
 - Proposed a research project “***Survey of Public Understanding on Energy Resources***” (commenced from Apr. 2006 till Mar. 2007)
- Proposed International cooperation between WIN- and WIN- through Governmental Joint Committee. (ex: Cooperation between WIN-Korea and WIN-US of Korea/US Joint Standing Committee or with WIN-France of Korea/France Joint Committee)