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ROMANIA
COUNTRY REPORT

Presented by:

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WIN Romania

Photo

- **Commissioning of Cernavoda NPP Unit 2 (700MWh), on September 28**
- **Starting the process of negotiation for completion and commissioning of Units 3&4**
- **National Energy Strategy upgrade - Cernavoda NPP represents a key position as the promoter of sustainable economical development**
- **Nuclear Fuel Plant in Pitesti has completed the process of doubling its production capacity to feed both nuclear units from Cernavoda NP**
- **Unit 1 produced in 2007 an amount of 6.005.175 MWh; capacity factor of about 97%**
- **Unit 2 produced an amount of 961,986 MWh; capacity factor of 93,23%**
- **Units 1&2 covered 13% of the electricity demand in Romania for 2007**

*Energy policy

- **Nuclear share in the Romanian National Grid will be increased in 2008, and further, to about 18%.**
- **Cernavoda NPP Units 3&4 will be completed and commissioned by 2014-2015.**
- **A site for building a new nuclear power plant will be selected in Romania.**
- **Nuclearelectrica plans to enlist shares on the stock exchange market in 2008.**

■ Public acceptance

Positive public and local authorities perception of the nuclear energy:

- 56% citizens in favour of nuclear power at the national level and 65% at the local level
- More men support nuclear power than women
- Older people tend to support nuclear more than young people

■ Nuclear waste management policy – 3 components

■ On site storage facilities:

- The Spent Fuel Bay
- The Spent Fuel Dry Storage Facility
- Solid radioactive waste facility

■ The National Agency for Radioactive Waste – 2004 with the task of disposal of radioactive waste

- Final waste surface repository was analyzed by IAEA and received the partial authorization in February 2008

■ IFIN HH in charge with collecting, treating and conditioning all non-fuel cycle radioactive waste and depositing it in Baita Bihor repository

Research - developed by:

- **Horia Hulubei National Institute of Physics and Nuclear Engineering** – IFIN HH specialized in areas of research including Astrophysics and Particle Physics, Field Theory, Mathematical and Computational Physics , Atomic Physics of Condensed matter, Life and Environmental Physics. Facilities:

- TANDem Accelerator
- Cyclotron
- IRAS
- Test nuclear reactor

- **Institute for Nuclear Research Pitesti** - 18 programs. Facilities:

- TRIGA Research Reactor
- Post-Irradiation Examination Laboratory
- Out-of-Pile Testing
- Radioactive Waste Treatment Plant

WIN Romania members:

- are involved in activities related to:
 - personnel training
 - knowledge transfer through IAEA fellowships
 - workshops, courses, etc.
- have an active professional implication as:
 - leaders of research & engineering programs
 - managers of national/international projects
 - key experts in the European Commission Framework Programs
 - cooperation activities with Joint Research Center; Cooperation with IAEA - Vienna).

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■ WIN Romania members

- were the main promoters of most of the visits to Cernavoda NPP for pupils and teachers.
- were deeply involved in organizing the “International Symposium on Nuclear Energy – SIEN 2007” and the contest and the exhibition of children drawings, aged up to 17 years old on the following topics: “What do we know about energy?”, “The Atom-Our Friend”, “The Nuclear Energy Saves the Environment” and “The Energy of the Future” and “Cernavoda celebrates the future” involving the children of the town.

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- Organised WiN Workshop on 17 October, during SIEN 2007
- Organised WIN meeting on 14 December 2007
- distributed Romanian WIN Message during a dinner debate on New nuclear power build in Romania and Bulgaria, held in Strasbourg, on 29 February 2008
- Are participants at national/international conferences
- A WIN personalized internet site is under construction

