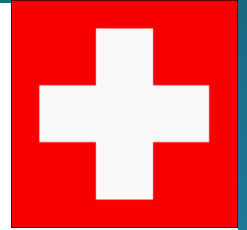


SWITZERLAND
COUNTRY REPORT

Presented by: *Irene Aegerter*
Dr.phil.nat, Vicepresident
Swiss Academy of Engineering Sciences





Percent of Electricity from Nuclear: 40%

Nuclear facilities:

- **2 Nuclear Research reactors** at the University of Basle (Swimmingpool Type) and EPF Lausanne
- **5 Nuclear Power Plants**

KKB I / II: Westinghouse; PWR; each 365 MWe (1969,1971)



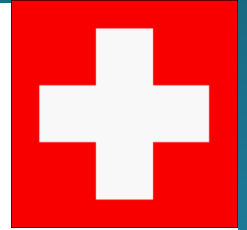
KKM: General Electric; BWR 355 MWe (1972)

KKG: Siemens / KWU; PWR; 970 MWe (1979)

KKL: General Electric; BWR; 1165 MWe (1984)

- Interim Storage for nuclear waste ZWILAG





Public acceptance:

- Acceptance of **existing** NPP: 70.3%
- Acceptance of **replacing old NPP by new** NPP: 52%

Therefore: Only talk about replacing the 3 old ones by one or more new NPP at an existing site.

Women: Only 45% accept replacing NPP.

New and additional NPP do not get a majority (43,5%).

Energy policy :

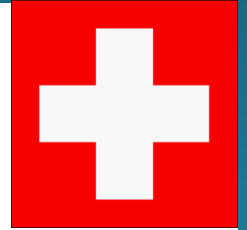
- Referendum for the project of a new NPP (about 2011)
- DOE study about the security of supply shows Nuclear is needed
- Reorganisation of Nuclear Inspectorate

Nuclear waste management policy

- Positive decision of Federal Council on deep geological repository for spent fuel / high and low level waste 2007

Nuclear research:

- Paul Scherrer Institute, Würenlingen
- New Master study in Nuclear Engineering Fall 2008
- Generation IV and Iter research



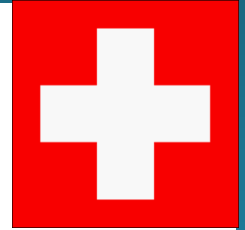
Nuclear Revival is coming in Switzerland only if we **WIN the referendum**.

Therefore we need:

Personal information and **dialogue** with the public, especially women about the necessity to replace the older NPP by new ones at the existing sites, because we need CO₂-free base load capacity;

Sun and wind cannot replace nuclear because it is not base load. The sun sets every night.

Nuclear plants cannot be replaced by fossil plants because of CO₂-emissions. Switzerland could not meet the Kyoto-targets if the now CO₂-free electricity production (40% Nuclear, 60% Hydro) would be given up with the construction of a gas fired power plant.



Activities of 2007 WIN Switzerland :

- Visit of the special waste site in Switzerland to compare the requirements for radioactive waste and special waste since the DOE programme for the site selection for the deep geological nuclear waste repository has started.
- Preparation of campaigns for the communication of replacing the old NPP with new NPP.
- a big **Thank you** to Ingeborg Hagenlocher for her presidency until February 2008

7 new members joined WIN in 2008.
Number of WIN members 55