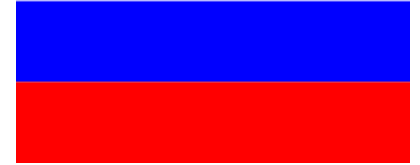


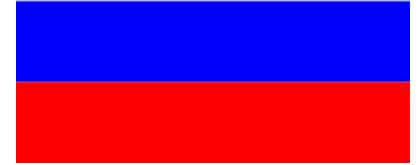
# ***RUSSIAN FEDERATION COUNTRY REPORT***

***Presented by: Marina Labyntseva  
Institute for Continuing Professional Education  
«ATOMPROF»***



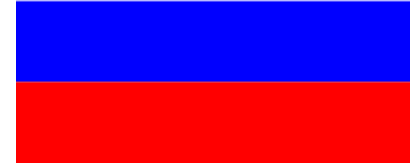
# **NUCLEAR IN THE RUSSIAN FEDERATION**

- 31 reactors at 10 nuclear power plants
- 454 nuclear material storage facilities
- 16475 sources of ionizing radiation
- 1508 storage facilities for radioactive material and radioactive waste



## NUCLEAR POWER

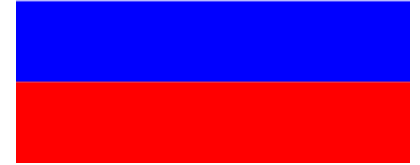
- 10 nuclear power plants with total installed capacity of 23.242 GWe
- Total nuclear electricity generation 160 bln kWh in 2007
- Share of nuclear electricity in the overall electricity generation is 16%



## FUTURE OF NUCLEAR POWER

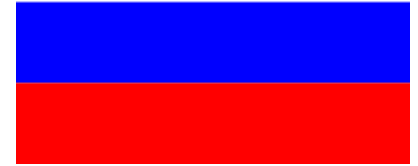
Nuclear power development program for the period from 2007 to 2020:

- Lifetime extension of existing units
- Completion of construction of nuclear power units at existing sites:
  - Rostov-2
  - Kalinin-4
  - Beloyarsk-4



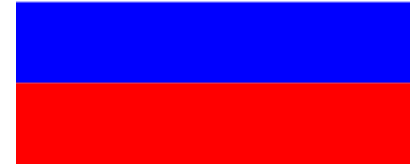
## **FUTURE OF NUCLEAR POWER-II**

- Construction of new nuclear power plants near existing NPP:
  - Novovoronezh NPP-2
  - Leningrad NPP-2
  - Kursk NPP-2
  - Kola NPP-2



## FUTURE OF NUCLEAR POWER-III

- Construction of new nuclear power plants:
  - Nizhny Novgorod NPP
  - Tver NPP
  - Central NPP
  - South Urals NPP
  - Seversk NPP
  - Primorskaya NPP
  - 2 floating nuclear power plants at Severodvinsk and Pevek

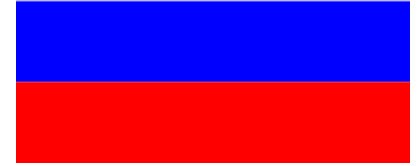


## **RADIOACTIVE WASTE MANAGEMENT**

The Law on radioactive waste management will be introduced to State Duma in June 2008

The radioactive waste management strategy includes construction and reconstruction of:

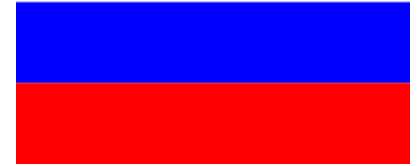
- Storage facilities for some 120 thousand cubic meters
- RW treatment complexes at nuclear fuel cycle enterprises
- Storage facilities and RW treatment complexes at nuclear power plants
- Storage facilities for RW coming from non-nuclear facilities for 140 thousand cubic meters
- Decommissioning of 140 facilities
- Decontamination of territories, buildings and constructions with the total area of 1658 thousand square meters



## **DEVELOPMENT OF COMPETENCES**

In 2006 about 313 thousand employees were working at nuclear industry

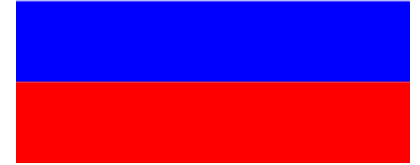
- Top level managers – 0,6%
- Intermediate level managers – 6,0%
- Specialists – 31,6%
- Workers – 62%



The demand of Rosatom State Corporation will be 7000 – 8000 persons annually of more than 140 professions, among them:

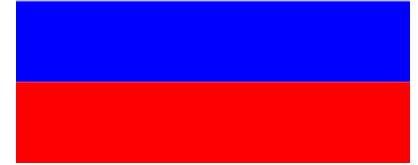
- 2800 persons with higher professional education
- 2000 persons with specialized professional education
- 2200 persons with elementary education

Total expenses for education and training will be about 600 million rubles (about 25 million dollars)



## WIN ACTIVITIES

- There are about 400 female members of the Russian Nuclear Society (RNS)
- 35 of them are members of the North-West branch of the RNS
- All events are held on behalf of the RNS



## International Summer School “Boreal Nights”

- Organized jointly with French Nuclear Society (SFEN) since 2002
- In 2007 it was the 4<sup>th</sup> Summer School “Nuclear and communication: learning keys of listening and dialogue”
- Each school had 25-35 participants from Russia, France, Sweden, Finland
- Each school was held on the territory of Russia and France
- Lectures and presentations were given by university professors, experts and journalists
- Students participated in public debates or meetings with civil society members, NGO and local administration
- Visits to nuclear and industrial facilities were arranged
- Next Summer School is planned for 2009





THANK YOU FOR YOUR ATTENTION!