Humanitarian Impact Of Nuclear Weapons: Ukrainian View

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Chornobyl Nuclear Power Plant

- **Chornobyl** town - first mentioned in the chronicles in 1193
- **Beginning** of Plant Operation – 26 Sep 1971
- **Crash** – 26 Apr 1986 (7 level, INES)
- Immediately mobilized personnel for disaster release – **40,000 military and reservists**
- **28 people died** during the first 3 months and 147 received radiation sickness
- Contaminated territory - **4,300 sq.km**
- Evacuated – **116,000 persons (from 30 km zone)**, more than 5.6 mln. received antiradiation medicine
- Total number of “liquidators” – **600,000**
- Various allowances and compensations in Ukraine, Russia and Belarus still paid to **7 million inhabitants**
- Construction of the new sarcophagus requires **more than 2 billion USD**
- **Global impact** - 369 farms and nearly 200 thousand sheep in UK still carry traces of contamination (in 1986 – 4 millions sheep)
HEU Transfer from Ukraine

- April 12, 2010 President of Ukraine announced Ukraine's intention to get rid of more than 140 kg highly enriched uranium (HEU) with technical and financial assistance of the United States

- Project budget – 60 mln. USD

- March 22, 2012 Ukraine fully complied its obligations

- Building a research nuclear facility “Neutron Source” based on a subcritical assembly driven linear electron accelerator" is planned for the National Science Center "Kharkov Institute of Physics and Technology" (Kharkiv)
Ukraine’s Nuclear Disarmament

- **176** silo launchers of strategic missiles SS-19 and SS-24 was **destroyed**
- **transferred** to Russia:
  - about 1300 nuclear warheads
  - more than 580 cruise missile
- more than 40 strategic bombers were **transferred or destroyed**

- Pavlograd Chemical Plant utilized 1.200 ton solid propellant for SS-24 (from 5.000 ton required). DTRA Project budget - 195 mln. USD.
- Ukraine-OSCE Project for disposal of the highly toxic rocket fuel oxidizer “mélange” – 18 mln. EUR
Japan-Ukraine Joint Committee Agenda for the cooperation to advance aftermath response to accidents at nuclear power stations

- Reviewing of evacuation instruction area, radiation protection
- Off-site decontamination
- Monitoring
- Risk management
- Compensation for nuclear damages
- Cooperation with the academic community
Political and geo-strategic issues

• Political responsibilities for implementation processes

• Top-priority in agenda of high political meetings P5, G8 etc.

• Prevention of the rogue-states and non-state actors involvement

• Support for scientific research
After Chernobyl Consequences

Crime problems:

- According to law enforcement records annually registered about 300 penetrations on territory of the Chernobyl exclusion zone by illegal stalkers
- Illegal fishing, hunting, gathering mushrooms and berries
- Felling and sale of radioactive forest, scrap metal collection

Returning of local inhabitants as illegal settlers:

About 2,000 people live in 11 places (former villages)
20 years towards World without NW

Global & National Security

20 ANNIVERSARY

Non-proliferation

Disarmament

Peaceful use

NP Treaty

Budapest Memorandum
Thank you for attention!

Gracias por la atención!