

### Mayak nuclear plant: lessons are not learned



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### Mayak Nuclear Accident September 29, 1957

- Explosion of a tank with liquid radioactive waste near MAYAK plant occurred
- 20 million curie of radiation was released to the atmosphere;
- 23.000 sq km of territory radioactively contaminated
- 23 villages evacuated, 10.000 people
- Not all that should have, were evacuated

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### Typical story of effected population: Nadezda's family



Her grandmother is Nadezhda Kozlova  
She was an engineer of Mayak from 1949 and liquidator of accident in 1957.  
Her dose - 772,8 MZV ( 1952 - 1960)  
She died in 1965 from cancer of lymph system  
Nadjesda has never known her.



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### The consequences : for example, the story of Mila Kabirova

- Mila's family lived in a village on the Techa river, which flows from Mayak
- Mila's two brothers and mother died from cancer. Mila has plutonium in her body, she has radiation disease.

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### Mayak now receives spent fuel


- You can say, this is an old story, 50 years ago. But today we have a new problem
- We receive nuclear fuel from former Soviet Union countries, Bulgaria, Hungary and via a trust of western European countries and the USA
- This spent fuel is transported to Nadezda's town, Mayak
- the liquid radioactive waste is still dumped into the Techa river

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### Stop exporting our nuclear waste

- Europe should stop dumping ist nuclear spent fuel
- The people of Mayak should not be exposed to our radioactive waste
- Mayak is a clear example that after 3-4 generations there is still a very high radiation health incidence

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### Nuclear energy is not a solution for climate change - redirect funding to renewables

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### Mila works as a human rights activists



- She works for the rights of the children and people affected by radiation.
- She cooperates with radiation victims all over the world.
- The long-term radiation effects are downplayed by authorities and institutions.

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### Spent nuclear fuel

- Worldwide, nuclear facilities generate 15000 tons of spent nuclear fuel annually
- Nuclear industry was unsuccessful in developing a disposal technology which is 100% safe for people and environment
- The present nuclear fuel cycle has no right for operation and existence without safe technology for spent fuel disposal
- Just 3 months ago there was another accident - affected 2000 worker at the plant

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