

Project tasks: Aspects on the FUKUSHIMA and CHERNOBYL accidents

1. Spreading of activity

What were the main routes for the spreading the activity? Which radionuclides were spread in what levels? Where are the radionuclides found today (on the ground? In plants? In animals? (if so, what animals?) In the soil and in surface and groundwater, in rivers and seas?). What are the consequences for wild life and human beings? In a short and in a longer term perspective.

2. Could the spreading have been reduced?

The Fukushima reactors are of a relatively old design and the Chernobyl reactor was of a completely different type.

Would the consequences have been less devastating if a Swedish reactor of say Forsmark 3 had been in use instead of the ones in Fukushima?

Would the consequences have been less devastating if a Swedish reactor of say Forsmark 3 had been in use instead of the one in Chernobyl?

3. Remediation

What are the plans to remediate the site? What are the hardest things to remediate? What are the greatest challenges for the remediation? When will the area be habitable again? Compare the two accident sites.

4. Doses to human beings

How high doses were given to the workers at Fukushima? By the firemen and other staff working to avoid a catastrophe? To the public? Are people today getting doses from the accident?

How high were the doses given to the workers at Chernobyl? How high doses were given to the people living relatively close to Chernobyl? How high doses have been given to the rest of Europe? Are people today getting doses from the accident?