

SWEDISH RADIATION PROTECTION RESEARCH FOLLOWING CHERNOBYL:  
DISPERSION, DEPOSITION, MIGRATION, UPTAKE, INTAKE, DOSE

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ABSTRACT

Immediately after the Chernobyl accident, a massive research effort in the radiation protection field was started in Sweden. Most projects were initiated by the National Institute of Radiation Protection (NIRP) and were carried out by a number of different Swedish research groups, including NIRP itself.

The investigations cover fields such as: plume transport over Sweden, deposition of radioactive particles, transport of the activity in aquatic and terrestrial systems, food chain pathways including uptake in vegetables and intake of activity in animals (and some efforts to reduce this intake), intake in man and dose calculations for Swedish individuals and populations.

A number of sociological studies of the reactions of the public to the accident have also been initiated.

This paper summarizes and evaluates this national research effort.