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PAPER TITLE Optimal systems of countermeasures and universal algorithm of decontamination of radionuclide's contaminated soils

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**ABSTRACT (See instructions overleaf)**

'OPTIMAL SYSTEMS OF COUNTERMEASURES S AND UNIVERSAL ALGORITHM OF DECONTAMINATION OF RADIONUCLIDE,S CONTAMINATED SOILS"  
Y.Kutlakmedov, A.Jouve, N.Zezina, A.Micheev (ICBGI NAS of Ukraine, IPSN CEA, France) (Abstract)

1. We provided of comparative analysis of efficacy methods and means decontamination of soil which were contaminated of radionuclide after accident on ChNPP. It was calculated Cd (coefficient of decontamination) of different countermeasures on criteria of decreasing individual and/or collective doses for population.

2. All possible means and methods decontamination can be divide on the two groups: the first - for ploughed soils (after accident); the second - for unploughed soils and territories.

3. It was created universal algorithm for election of means and methods decontamination of soil for different conditions.

The optimal choice of means and methods of decontamination depends from next circumstances: a) Ploughed or unploughed the soils; b) The characters of distribution of radionuclides on profile of soils; c) The aims of decontamination (agricultural usage of territories, usage of territories for recreation, The decreasing of individual and/or collective doses for population); d) The relation of benefit - cost for concrete countermeasures.