

**'The system of Two-united Radiation-Ecological and Medical-Genetic Monitoring (REMGM) on Basis of the Preventi**I.I. Suskov<sup>a</sup> and A.I. Glushchenko<sup>b</sup><sup>a</sup>*N.I. Vavilov Institute of General Genetics, Russian, Gubkin st. 3, 119991 Moscow, Russian Federation;* <sup>b</sup>*S.I. Vavilov Institute of history of Natural Scienc, Staropanski per., 1/5, 109012 Moscow, Russian Federation**a-glushchenko@mail.ru*

The conception of the system REMGM is formulated in the report represented on the Annual Meeting of Society for Risk Analysis -Europe (SRA-E) in Stockholm in June,1997, on the First Meeting of Society for Risk Analysis of China-Japan (SRA-Japan) in 1998, jn the Annual Meetings in Europe and USA (Paris,1998\$ USA ^ Alabama, Arizona, New Mexico, 1999-2000). The systemic approach was used repeatedly and successfully on the contaminated areas from the nuclear effluents near Semipalatinsk test area (Altai region), near the special group of the enterprises "Mayak", in 30-km zone around Chernobylskaya NPP. For the following working off and for realization of the systemic approaching is proposed comuter program of the automatizad analysis of the chromosome aberrations - the markers of the radiation damages of the genome of the cells, connected with the state of health of man. The worked outby the authrs the fundamental scientific conception of "radionuclide-toxicogenic-genome risk" is realized in the system REMGM. The possibility of its practical realization in the orders of the existing monitoring service in the EC countries on the basis of modern acting information network Internet is proposed (on analogy with the modern prognosis of the weather regularly reresented in the program "Euronews". The following development of the system REMGM is oriented as on the zones of higher ecological risk in Russia, so and on the international collaboration with the interested forigh partners (Israel and the other countries EC).The intention to such collaboration expressed as Russian side (NPO "Typhoon", Obninsk and the other Russian scientific organizations), so ane Israeli side.