

*Valentin Terziev.* ON THE TRANSPORT OF RADIOACTIVE POLLUTANTS  
AT DIFFERENT SCALES IN THE ATMOSPHERE

On the basis of the developed by Syrakov and Ganey [1] multiscale modelling system (MSMS) with respective modifications and taking into account the specific particularities of the transport of radionucleotides in the atmosphere at the three phases (early, middle and late) of radioactively dangerous failures, it is proposed an architecture and semantic network for forecasting and analyze of the radioactive pollution at these conditions. The approach is intended to give detailed estimations of that pollution depending on the different transport scales of the pollutants.

**Keywords:** multicomponent system, radionucleotides, scales, dynamic and diffusion models

**PACS number:** 92.10.Lq