Prospects of Application of Geoinformational Systems for Veterinary Geology

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Veterinary Geology

Veterinary Geology is a branch of veterinary medicine, which studies the influence of natural and anthropogenic geological objects and processes on animals’ health and the quality of received products, and employment of minerals for treatment of animal diseases. The study of the epizootic situation and the role of geological objects and processes in animals’ health condition allows to develop successful strategies for preventive measures and control.
EPIZOOTOLOGICAL GEOINFORMATIONAL SYSTEM (GIS)

Epizootological GIS allow to collect, store and analyse epidemiological information. They also have a capacity to display it on maps, and report on the current situation based on set parameters.

Using GIS in doing research work on epizootic processes and the geography of animal diseases has performed greatly in improving the methodology of epidemiological analysis and is likely to do so in future.
Application of GIS in Veterinary Geology

- Monitoring, risk-assessment and risk-management of endemic non-infectious diseases (endemic osteodystrophy, enzootic ataxia in sheep, boric enteritis in sheep, white muscle disease and micronutrients deficiency, etc.)

- Monitoring, risk-assessment and risk-management of environmental problems

- Management of organic food production

- Geo-ecological anthrax outbreaks detection and monitoring method (Shabeykin AA, VIEV, 2017).

- Building and management of Animal graves
Thanks for your attention!!!