



## Nitrate risk evaluation of the agricultural crop fields, using territorial informatic systems

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Unlike the classical methods used in territorial analysis, the teledetection and T.I.S. techniques (territorial informatic systems) can quantify the environmental impact upon large areas based on the hydrographic basin notion. Using teledetection and T.I.S., some multitemporal and multispectral analysis methods can be established for the analyzed territory using satellite images, such as NOAA-AVHRR and Landsat Thematic Mapper – TM, which offers some geometrical resolutions on a certain scale, global, regional, or local. Based on this analytical method the were determined the risk of nitrate pollution for an agricultural territory, the informative plans were synthesized and overlapped two by two on informatic levels, thus resulting the intermediary vulnerability maps, which, by their overlapping it resulted the map of territory vulnerability synthesis or the map of analyzed territory ecological risk, when polluted with nitrate.