

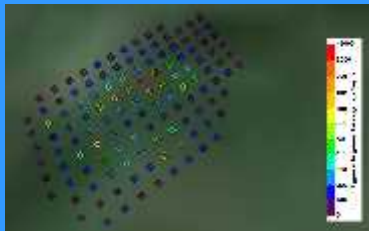
Search and investigation of orphan sources in Lithuania

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Lithuania has created national system of response in case of identification of not legal and orphan sources as well as search of such sources. Radiation Protection Centre has established laboratory, equipped with necessary technique for search, identification and further measurements of orphan sources including training on search and secure



In last years Radiation Protection Centre was launched programme for search of orphan sources in former facilities or territories used sources of ionizing radiation. During the search at soviet army military airport at place where remediation measures have been carried out 20 years ago the contamination by the radium 226 was detected



The largest part of investigated contaminated materials was discovered in metal scrap yards usually contaminated with radium or thorium as NORM. Some of sources discovered by peoples as high activity cesium source and lost smoke detectors with plutonium



Search of orphan sources and contaminated sites are performed on the asking of people as well. Inhabitants due to different reasons are asking to measure radiation at living environment. No orphan sources and radioactive contamination was found during that cases but nevertheless the search performed works for the secure life



Lithuania has established State level system for preparedness and response in nuclear or radioactive material smuggling cases also are ready to perform nuclear forensic and criminal investigation