

International Conference on the Management of Naturally Occurring Radioactive Materials (NORM) in Industry

VIRTUAL EVENT

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Coordinated indoor radon surveys in some Arab countries

ABSTRACT

Indoor radon surveys were carried out in some of the Arab countries through a Coordination Research Program (CRP) organized by the Arab Atomic Energy Agency (AAEA). The objectives of the program aim at establishing a database on indoor radon concentration levels in the region and investigating any anomalies, where they exist. The approach adopted by the survey teams to achieve public participation in accepting the radon detectors in dwellings is presented and discussed.

Most of the participants in the CRP used the passive method (CR-39 plastic detectors) for long term radon measurements, while others used charcoal detectors and E-Perm systems for short-term measurements.

The results of the surveys showed that radon concentration levels in most of the dwellings were low; whilst, in some old cities and in area closed to a phosphate mine the levels were found to be relatively high

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