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**FORM FOR SUBMISSION OF ABSTRACTS**  
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**FOR OFFICIAL USE ONLY**Abstract No. 8000Receipt                     Author 8000Acceptance                     Mini-Presentation                     **PAPER TITLE**

**COMPARISON BETWEEN LARGE SCALE RADON RISK MAPS AND RESULTS OF  
DETAILED RADON SURVEYS**

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**ABSTRACT (See instructions overleaf)**

The infiltration of radon from the ground is usually the predominant source of indoor radon pollution. The uniform method for radon risk classification of foundation soils in the Czech Republic was proposed in 1990. At the same time, the regional radon risk maps were produced to improve the knowledge of radon risk on the large scale. Since the acceptance of the Decree of the Ministry of Health of the CR concerning the requirements for limiting radiation exposure due to radon and other natural radionuclides in 1991, the detailed soil-gas radon measurements have become obligatory for all areas of urban planning. A four years experience resulted in several modifications of the origin radon risk classification method. The new recommendation was given in 1994.

A large number of detailed measurements is available for testing the reliability of regional radon risk maps. The comparison illustrates general reliability of large scale radon risk maps on the significant probability level. On the other hand, the local variability caused by a number of geological and nongeological factors confirms the necessity of detailed measurements for proposing the optimal remedial technology.