A VIEW ON THE EXPERIENCE, IMPACT AND IMPLICATIONS OF THE 4 MARCH 1977 EARTHQUAKE, AFTER THIRTY YEARS

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ABSTRACT

An attempt at summarizing the experience, impact and implications of the destructive earthquake of 1977.03.04 is presented. This is related to the knowledge acquired, to the main contributions of foreign experts participating in the making and discussion of post-earthquake surveys, to the implications for the regulatory basis of structural design, to a critical view on the earthquake risk reduction activities developed to date and on the development of a comprehensive risk reduction strategy, to some actions that are complementary to classical engineering earthquake protection activities. The presentation relies essentially on the experience and activities of a group having worked for a long time in the frame of INCERC – Bucharest.

Key words: earthquake experience, seismic risk reduction, post-earthquake surveys, processing of instrumental data, development of regulatory basis, Vrancea earthquakes