

METROLOGICAL RESEARCH PROGRAMMES AND THE REVIEW A PROJECT DEALING WITH NATURALLY OCCURRING RADIOACTIVE MATERIALS

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The presentation gives an overview about the goals, the processes, the eligible participants and the results of the European Metrology Research Programme (EMRP) launched in 2007 and of its successor, the European Metrology Programme for Innovation and Research (EMPIR) started in 2015, with special respect to those radiation physical projects in which MKEH actively participated. Since the EMPIR is more opened for wider research communities the conditions of the possible future common research will be shown.

Recently, increasing attention is focused on the metrology of naturally occurring radioactive materials (^{226}Ra , ^{232}Th , ^{40}K ...). The NORM and TENORM materials can be found in almost all areas of the industry and environmental protection (oil and ore mining, water processing, paint industry ...). An EMRP project (MetroNORM) started three years ago dealt with the measuring methods of these radionuclides, refinement of certain nuclear parameters and development of radioactive materials. This presentation briefly summarizes the work carried out during the project and drafts a possible new project (EnviroNORM) to continue within the framework of the new program EMPIR.