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## ACCREDITATION OF LABORATORIES IN THE FIELD OF SOIL QUALITY - THE WAY TO ENHANCE ANALYTICAL WORK

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Purpose. Analysis of the main differences procedures attestation and accreditation of testing laboratories, which carry out the measurement in the field of the soil quality. Methods of research. Analysis and systematization of normative documents regulating requirements for the competence testing laboratories that carry out measurements in the field of the soil quality. Results. Sets out the requirements for accreditation and attestation of laboratories, analyzes their differences. Shows the state and prospects of laboratory accreditation in the field of soil quality. Conclusions. Analysis of the main differences between certification and accreditation procedures for measurement laboratories showed that the accreditation procedure is more complicated because of the higher level of requirements for the competence of laboratories, including the quality management system covering all components of the measurement, and participation measuring laboratories applications between laboratories comparative. At the same time, the passage of laboratory procedures of accreditation is a prerequisite for mutual recognition of the results internationally. Thus, due to the optimization of the national laboratory network and taking into account the specific sphere of the soil quality, it is advisable to prepare for accreditation of laboratories, which will be competent not only in the process of measurement, but also to prepare practical recommendations for land users.

**Keywords:** attestation, accreditation, recognition of results, measuring laboratory, soil quality.

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## АККРЕДИТАЦИЯ ЛАБОРАТОРИЙ – ПУТЬ К ПОВЫШЕНИЮ УРОВНЯ АНАЛИТИЧЕСКИХ РАБОТ В СФЕРЕ КАЧЕСТВА ПОЧВЫ

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Проанализированы основные особенности процедур аккредитации и аттестации измерительных лабораторий, относительно технических требований к персоналу. Помещениям, методам измерений, оборудованию, отслеживаемости, качеству результатов анализов и отчетности о результатах измерений в соответствии с международным стандартом ДСТУ ISO/IEC 17025 [1]. Дана оценка современному состоянию и перспективам аккредитации измерительных лабораторий в сфере качества почв в Украине.

**Ключевые слова:** аттестация, аккредитация, признание результатов, измерительная лаборатория, качество почвы.