Modern Information Technologies in Public Ecological Monitoring

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Abstract: A number of problems faced by the total environmental monitoring system being created in Russia are considered, and a number of solutions aimed at increasing the coverage of territories and facilities by continuous monitoring and improving its quality are proposed. A description of the methodology for using a mobile device as a universal tool for environmental monitoring is presented. The results of using a mobile application created for recording and transmitting objective data during monitoring using a smartphone or tablet computer are assessed. A survey of the territory was carried out and the data obtained was analyzed.