

Research project “Creation of “Laboratory of Agroecological Monitoring and Ecosystem Projecting “LAMP”

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Abstract

Irreversible man-made changes, experienced by ecosystem, remain one of the predominant recent environmental problems. The research work, carried out in the frame of the project will focus on monitoring, assessment and modeling sustainability of forest, agricultural and urbanized ecosystems. The innovative approach, based on the analysis of ecosystem functions and services will be implemented to develop criteria, indexes, models and DSS to study, develop and control forest, agricultural and urbanized ecosystem sustainability in conditions of Central part of RF European Territory.

As the result of the project the Laboratory of Agroecological Monitoring and Ecosystem Projecting (LAMP) will be organized on the base of RSAU-MTAA. This will provide conditions for multi-scale ecosystem analysis, including microclimate, microbiological, chemical, soil-physical, eddy covariance methods, as well as geostatistical, GIS and remote sensing techniques.