THE ROLE OF REMOTE SENSING IN RECOGNITION AND ASSESSMENT OF RENEWABLE RESOURCES IN POLAND

Key words: assessment of renewable resources, natural resources, remote sensing

Summary

One of the main causes of constant depletion of natural resources is the advancement of civilization and population growth. A small part of natural resources is only being restored. These phenomena act as a trigger for harmful environmental effects and should thus be permanently monitored. Satellite remote sensing plays an important role in monitoring natural resources. It has been successfully used for that purpose also in Poland. In the article the authors discuss the trends and range of applications of remote sensing techniques for the recognition and assessment of renewable resources in Poland. The resources and processes that were considered included: land use and land cover, yield forming meteorological conditions, forest health and structure, results of forest fires, water flows (including floods) and quality and air pollution.

The results of cooperation of scientific institutions dealing with remote sensing with public services responsible for environmental status and rational management of renewable resources have been pointed out.

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