

***Conveners:***

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***Title:***

Modelling of the biodiversity and ecosystem functions/services for nature protection and sustainable use of natural resources in the Carpathians

***Session description:***

To study and protect the biodiversity from species to landscape level and maintenance of ecosystem processes and functions is more and more actual task in the current time. This section deals with biodiversity and habitat modelling in relation to ecosystem functions and services.

The results of individual studies will contribute to the solution of more sustainable landscape planning with consideration of biodiversity at local, regional and national levels. The outcomes of individual studies can contribute to addressing issues of conservation and enhancement of the value of biodiversity in the process of Ecological Impact Assessment, the effectiveness of subsidy provision and effectiveness valuation of restoration measures in the landscape.

Contribution on topics concerning ecosystem functions (e.g. biodiversity maintenance, biomass production, evapotranspiration, water retention, soil formation) and ecosystem services as provisioning services (e.g. wood and water provision), regulation services (e.g. carbon sequestration, pollination, climate regulation, flood protection) and habitat services are welcome.