

WHO WE ARE

- ★ The Centre for Ecological Research of the Hungarian Academy of Sciences (MTA ÖK) is the largest research institute engaged in basic and applied research in ecology and conservation biology in Hungary. Our mission is to carry out high quality research on the biological diversity of forest, grassland, lake and river ecosystems, to learn about these systems, and to provide evidence of the importance of their conservation. The Centre is the home of researchers from various disciplines, including ecology, botany, hydrobiology, meteorology, agronomy, forestry, as well as interdisciplinary sciences. Major research topics include structure, composition and long-term dynamics of communities, habitat mapping, biodiversity monitoring, and the evaluation of different farmland and forestry management regimes from the perspective of biodiversity and ecosystem services. MTA ÖK has a long tradition of studying complex policy-oriented research questions, and conducting regional ecosystem assessments in policy sensitive landscapes. MTA ÖK has a key role in providing scientific support for the Nature administration of the Hungarian government, including MAES activities.

OUR EXPERIENCE

- ★ ecosystem services mapping, biophysical, integrative and social science methods
- ★ botany and phytochemistry
- ★ forest ecology
- ★ landscape ecology and experimental vegetation ecology
- ★ large-scale vegetation ecology
- ★ restoration ecology
- ★ traditional ecological knowledge
- ★ functional community ecology
- ★ restoration- and animal ecology
- ★ hydro- and plant ecology
- ★ zooplankton and periphyton
- ★ phytoplankton and macrophyte
- ★ nutrient cycling
- ★ fish and benthos
- ★ environmental toxicology
- ★ chemical ecology and neurobiology
- ★ bioacoustics and biomanipulation



WHAT WE DO IN ESMERALDA

- ★ MTA ÖK will participate in WP3 and WP4, e.g. co-lead task 4.1 “Designing integrated assessment frameworks” and contribute to the conceptual development of mapping and assessment methodologies in general. The team will also bring in their expertise on Ecosystem Service biophysical indicators.



WE ARE ALSO INVOLVED IN OpenNESS, Liberation, BioVel, EnvEurope, ExpeER, KNEU, INCREASE, BioStrat, ALARM



**Bálint
Czúcz**

- ★ climate change, ecosystem services, predictive statistical models, biodiversity indicators, landscape ecology
- ★ Member of the EU MAES expert group



**Lehel
Gurdon**

- ★ Financial administration and project management
- ★ Public procurement expert



**Réka
Aszalós**

- ★ GIS-based mapping and assessment of ecosystem service indicators
- ★ forest ecology expert



**Ildikó
Arany**

- ★ mapping and assessment of ecosystem services, EU biodiversity policies
- ★ Institutional coordinator of an EEA grant funded regional ecosystem service assessment in Romania