

ÖKON

Ltd. Ass. for landscape ecology, aquatic biology and environmental planning
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ÖKON is engaged in issues of nature conservation and environmental research. The emphases of our work lie in acquiring biological and landscape ecological data, analysing them (also with multivariate statistics), developing conceptual goals and planning their realization.

Our team consists of landscape ecologists, limnologists, zoologists and botanists and is supplemented by consulting agricultural and forest engineers, geographers or other professions. This allows us to independently accomplish difficult assignments. One of our main priorities is the biological-ecological analysis and evaluation of streams, rivers, their floodplains and the life communities living in them.

A further priority is the survey of molluscs (snails and muscles) and macroinvertebrates, their determination, and application as bioindicators both for short term ecological characterization of biotopes as for long term surveillance of changing site factors, e. g. increasing soil-moisture or -dryness as a consequence of natural or anthropogenic changes.

Our competence

Basic Investigations

- Landscape ecological assessments (survey of landuse, large and small structured habitats etc.)
- Ascertainment of aquatic and terrestrial fauna (vertebrates, insects and other invertebrates, microflora and –fauna)
- Biological and chemical water quality assessment
- Multivariate statistical analysis of complex biotic/abiotic interactions
- Survey and determination of vegetation and flora

Analysis/Evaluation/Planning

- Analysis and evaluation of the surveyed species, their habitats etc. as well as the preparation of goal outlines, for example for

- Assessment of conditions of protective areas and protection worthy landscapes
- Care and development plans
- Plans for the care of bodies of waters
- Success control of the conservation of nature and the preservation of the landscape as well as nature conservation programs
- Landscape conservation accompanying plans
- Interventions- and equalizations balancing
- Biological and landscape ecological long-term observation as well as taking of evidence
- Environmental tolerance tests/studies (UVP/UVS)
- Natura2000 Flora-Fauna-Habitat tolerance tests/studies (FFH-VU, - VS)
- special species-protection assessment (saP)
- Assessment of the biological and chemical water quality
- Compilation and realization of species and programs
- Landscape planning

Development

- Development of methods of appraisal of habitat, communities or measures of nature conservation and preservation of the landscape (e.g.: success control)
- Development of methods and concepts for the observation of landscape changes and change of the population size of the fauna and flora (landscape ecological and biological long-term observation)
- Development of special data files (for example: literature data files, autecology data files, occurrence data files etc.)

Documentation and Public Relations

- Compilation of pictorial documentation of the landscape and its changes
- Photographic archive of types of habitat, fauna- and flora-species, etc.
- Compilation of instruction sheets, leaflets, and pamphlets inclusive editorial treatment
- Provision of showcases, posters, display, exposition contributions
- Participation and organization on/of conferences
- Associate edition of conference volumes of hydrobiological/-ecological professional journals and books