**New database and on-line atlas of lichens and bryophytes in the Czech Republic**

Jiří Malíček1; Matěj Man1; Zdeněk Palice1; Jan Vondrák1; Petr Novotný1,2

1 Czech Academy of Sciences, Institute of Botany, Zámek 1, CZ-252 43 Průhonice, Czech Republic; 2 Department of Teaching and Didactics of Biology, Faculty of Science, Charles University, Viničná 7, CZ-128 00 Praha, Czech Republic; \* E-mail: jmalicek@seznam.cz

DaLiBor (Database of Lichens and Bryophytes) is a new database of bryophytes and lichens in the Czech Republic, created in 2019. This tool is determined for integration, administration and validation of occurrence records, which are dispersed in literature, institutional and personal databases and herbaria. The database serves also for scientific purposes, e.g. for an evaluation of changes in species distribution and abundance during time, future distributional models and searching for new localities of rare species. Its practical application is primarily focused on nature protection. Dalibor is an internal application for data management by specialists available at dalibor.ibot.cas.cz. Data from the Dalibor database will be used for national on-line atlas of lichens. This public portal (dalib.cz) includes dynamically generated maps of distribution, current Red-list categories, description of ecology and substrate preferences, pictures for most of individual species known from the Czech Republic and a prediction model of a potential species distribution. General functions should include an interactive biodiversity model, identifying for example national diversity hot-spots. Czech version should be available in the end of 2020, English version one year later. Funding: TH02030644, TH03030469.