Online Bibliography of Lichen Distribution Maps

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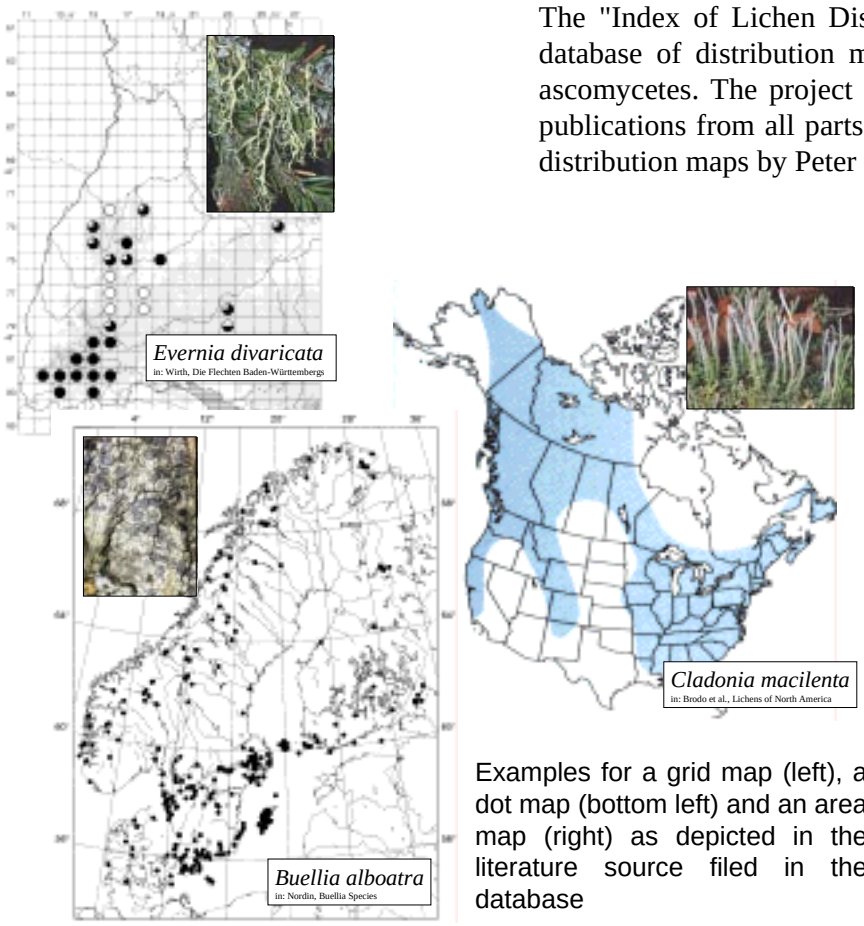


Examples for a grid map (left), a dot map (bottom left) and an area map (right) as depicted in the literature source filed in the database

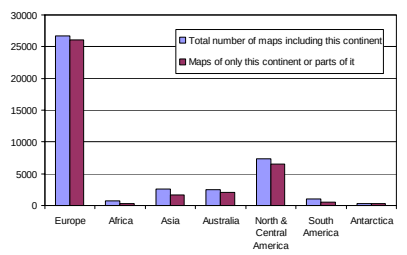
The "Index of Lichen Distribution Maps" was developed as a world-wide database of distribution maps for lichens, lichenicolous fungi, and related ascomycetes. The project was initiated in the 1990ies. Since then scientific publications from all parts of the world had been scanned systematically for distribution maps by Peter Scholz.

Information for every single map constitutes map display (e.g., dot maps, grid maps etc.), references to the geographical area, and a link to the original literature. If available, additional information was recorded on ecological preferences, habitats, bioindication, and the distribution of chemical races.

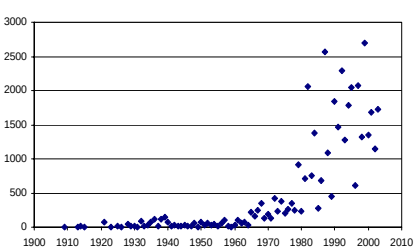
Enormous differences exist between the numbers of maps from various continents (see graph on the right). Maps from Europe or parts of it are more than half of all published maps.

The number of published distribution maps increased rapidly especially during the last two decades with the publication of atlases for whole areas.→

Records	> 40,000
literature sources	~ 2,000
oldest record	1836
taxa	~ 8,000

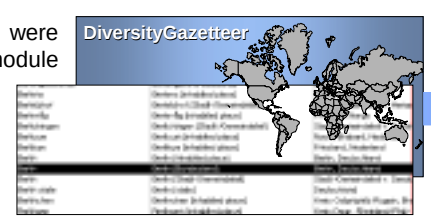


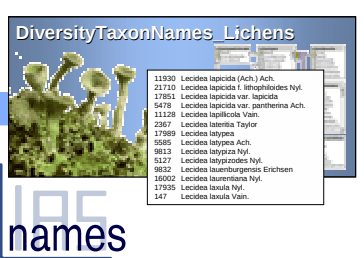
Number of maps per continent



Number of published maps per year

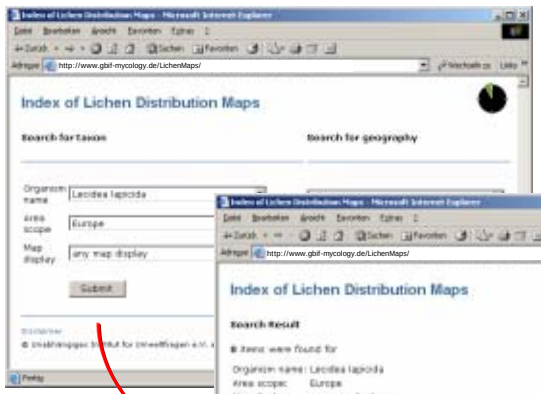
Geographical data were integrated using the module *DiversityGazetteer*

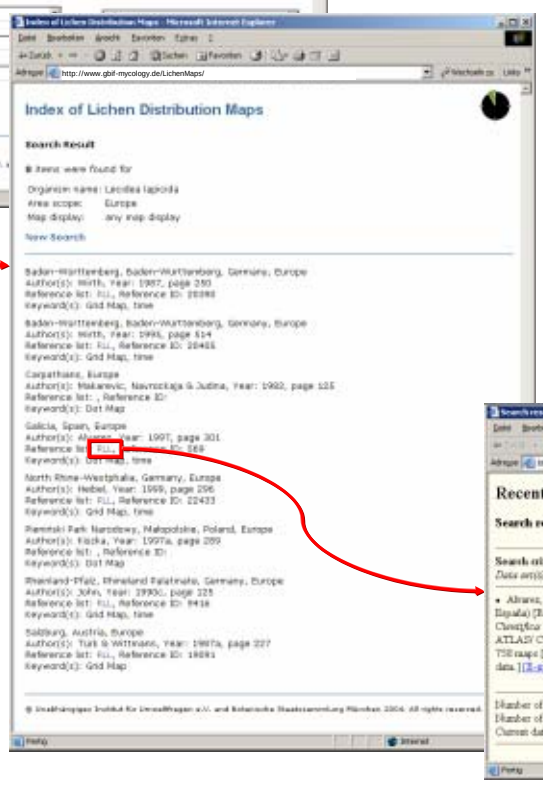




In cooperation with the LIAS names project all information will ultimately be linked directly to a unique taxon identifier based on a standardized list of lichen names and their synonymy (*DiversityTaxonNames_Lichens*).

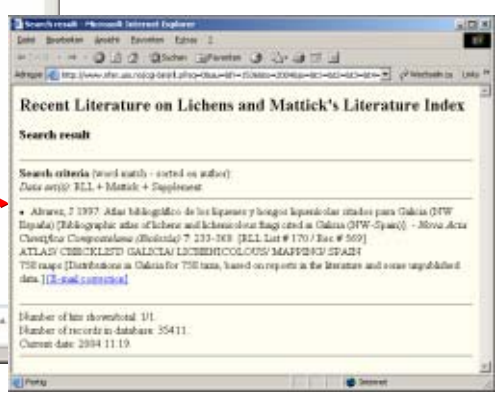
A ColdFusion web interface was programmed by Wiltrud Spiesberger (http://www.gbif-mycology.de/LichenMaps/). This interface provides the possibility to search the database by taxon name or geography respectively.



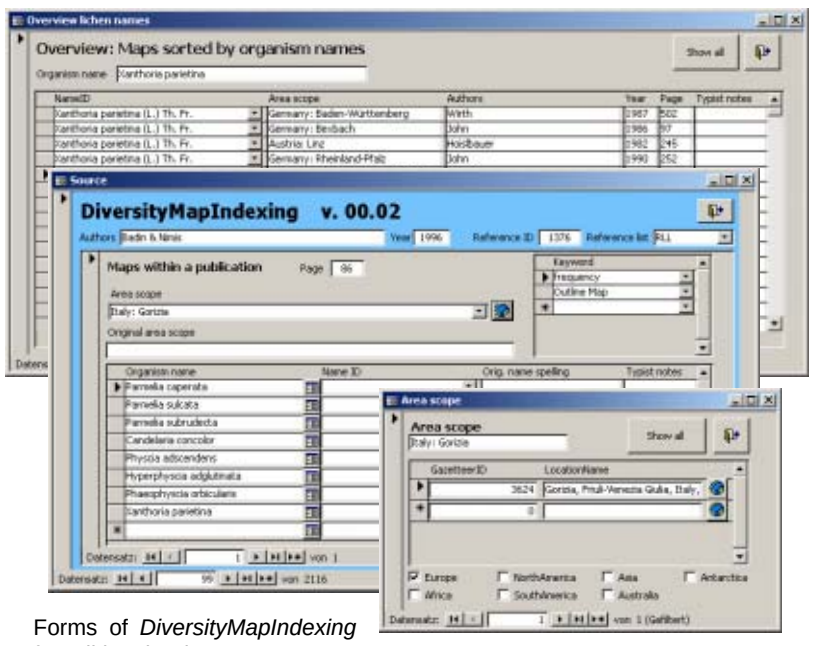


The result lists all bibliographic entries of the distribution maps within the database including the link to the original literature source.

Within the GBIF project period, each literature reference was cross-referenced with the online database “Recent Literature on Lichens and Mattick’s literature index”. (http://www.nhm.uio.no/botanisk/lav/RLL/RLL.HTM)



The former local database of distribution maps was imported into the *Diversity Workbench* module *DiversityMapIndexing*, a MS Access database application developed by Markus Weiss and Gregor Hagedorn.



Forms of *DiversityMapIndexing* for editing the data.

Umbrella project: Establishing the German GBIF Node for Mycology (Contract number: 01 LI 0202)

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