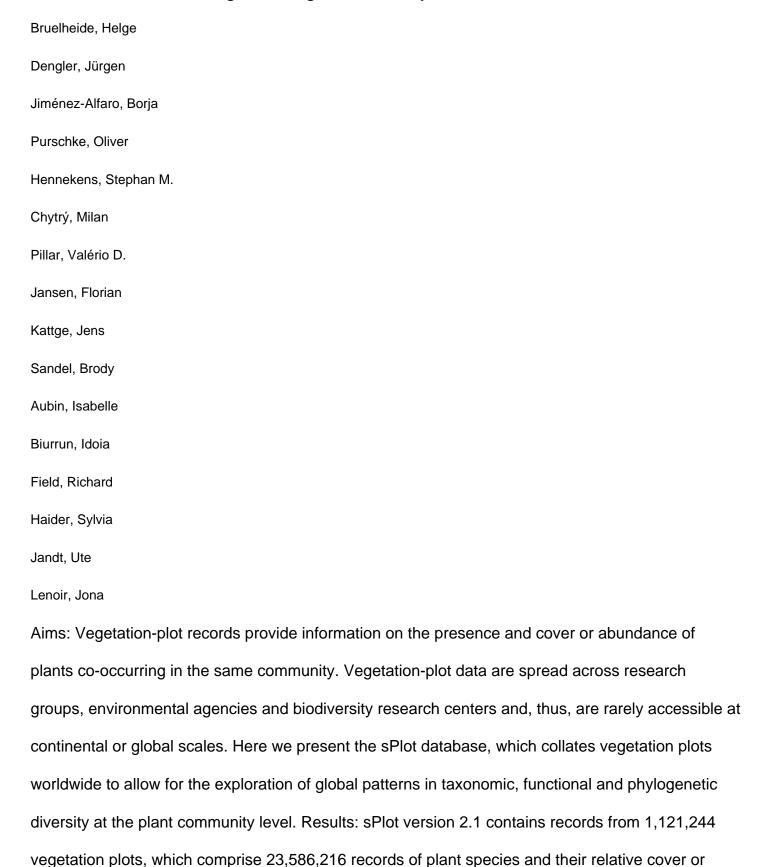
## sPlot? A new tool for global vegetation analyses



abundance in plots collected worldwide between 1885 and 2015. We complemented the information

for each plot by retrieving climate and soil conditions and the biogeographic context (e.g., biomes)

from external sources, and by calculating community-weighted means and variances of traits using gap-filled data from the global plant trait database TRY. Moreover, we created a phylogenetic tree for 50,167 out of the 54,519 species identified in the plots. We present the first maps of global patterns of community richness and community-weighted means of key traits. Conclusions: The availability of vegetation plot data in sPlot offers new avenues for vegetation analysis at the global scale.