

sDiv working group meeting summary

"sRegpool Writing retreat"

During the writing retreat, sREGPOOL, four people, Dr. Patrick Weigelt (Uni. Göttingen), Prof. Dr. Juliano Sarmiento-Cabral (Uni. Würzburg), Dr. Dirk N. Karger (Uni. Zürich), Christian König (Uni. Göttingen) attended for three days.

The goal was to finalize an R-package calculating probabilistic species pools based on the methodologies developed in the first sREGPOOL workshop and described in Karger et al. 2016, Global Ecology and Biogeography.

During the workshop we worked on the specific R-functions and generalized them. We also created the skeleton for the R-package, developed the classes, and additional functions needed (such as standardized plotting of species pools etc.). The R-package is currently only available on a private git-hub account, but we plan to make it online soon.

Except for one function, which has been developed in the meantime, all necessary functions of the package have been successfully developed and/or expanded/generalized during the workshop.

What is missing now are essentially 2 things:

1. Extensive testing of the package with different datasets to test its generality
2. Creating the required layout for the upload of the R-package to CRAN. Helpfiles can be created using a tool, but certainly require some polishing.
3. Writing up a publication describing the package. (The methods are described in the GEB paper, but we included additional stuff which could justify a publication).

Status: 80% completed

Dirk N. Karger