German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig
Deutscher Platz 5e, 04103 Leipzig, Germany

sDiv writing retreat summary

”sToichNutNet”

Feedback of participants

During the third sToichNutNet workshop, we continued working on well-defined projects, which we were working on during our first (January 2016) and second (January 2017). For that reason, we predominantly worked in small groups, and had only very few presentations. Elizabeth Borer gave a short summary about the outcome of workshop two and laid out the aims for the second one, followed by status update by participants on their respective projects. The second presentation by Eric Seabloom gave an update about data availability. The main focus during our four-day workshop was on data analyses and framing manuscripts. We worked very flexible-we worked a lot in small groups, and we met to have group discussions, as needed. This turned out to be a very productive strategy that received extremely positive post-meeting reviews from all participants. We enjoyed the working atmosphere provided at iDiv. At the end of the workshop, we made progress on seven projects, which are listed below.

- Predicting intra-and inter-specific variability in foliar N, P, and N:P
- Plant and soil N:P as predictor for biomass response to fertiliser; thresholds and mismatches
- *Finding the right tools for the job: leaf traits that predict a response to eutrophication and reduction in vertebrate pressure**
- Global controls on foliar sodium in grassland plants: taxonomic patterns, geographic variation, and response to environmental manipulation
- Log response ratios of plant nutrient concentrations and stocks to different nutrient treatments
- Influence of eutrophication on invertegare and fungal damage
- Influence of environment and species traits on invertebrate herbivory and fungal damage

Workshop participants

- Elizabeth Borer (PI)
- Anne Ebeling (PI)
- Jennifer Firn
- Stan Harpole
- Helmut Hillebrandt
- Eric Seabloom
- Christiane Roscher
- Harry olde Venterink
- Dana Blumenthal

**Firn et al. Leaf nutrient concentrations, but not specific leaf area, increase rapidly and predictably in response to eutrophication, Nature, Ecology and Evolution, in press*