Seven papers in this quarter’s issue of *Systematic Botany* come from a symposium on phylogenetic and ecological diversification in sedges (*Carex*, Cyperaceae) convened at the Botany 2015 meetings in Edmonton. The symposium was timely, as the genus had recently been circumscribed to at the Botany 2015 meetings in Edmonton. The symposium convened at the Botany 2015 meetings in Edmonton. The symposium convened?

Our symposium investigated the ecological dimensions of *Carex* diversification in the context of a global revision of *Carex* classification by The Global *Carex* Group (http://systematics.mortonarb.org/caryaceae). The symposium featured six talks on phylogenetic and ecological diversification of sedges. Seven papers on this theme are presented here. Two are foundational, providing a global phylogeny that serves as the underpinning of our work (Global *Carex* Group 2016a) and addressing a fundamental terminology issue in the genus (Jiménez-Mejías et al. 2016). Two are methodological, introducing approaches to linking NCBI data back to specimens for analytical purposes (Global *Carex* Group 2016b) and using *Carex* morphological diversity as a subject of collaborative research with K-12 students (Hahn et al. 2016). Three use phylogenetic data to investigate ecological diversification, focusing on trait evolution (Hoffmann and Gebauer 2016), community assembly (Waterway et al. 2016), and the effects of holocentrism on lineage diversification (Escudero et al. 2016).

This set of symposium papers only scratches the surface of what is possible with a densely sampled phylogeny of a large genus such as *Carex*. Deeper sampling of the genus aimed at a more comprehensive phylogenetic hypothesis is ongoing as are additional studies relating ecological differentiation, biogeographic patterns, and chromosomal evolution to phylogenetic relationships. We expect that the phylogenetic work being conducted by the Global *Carex* Group will set the stage for expanded and more refined studies of lineage diversification and ecological adaptation in this challenging genus, building in part on the work published here.

### Literature cited


Escudero, M., P. Vargas, P. Arens, N. J. Ouborg, and M. Lucoño. 2010. The east-west-north colonization history of the Mediterranean and

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*Proceedings Introduction: Phylogeny and Ecological Diversification in Carex*  
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