1089-05-357 Christian Stump* (stump@math.uni-hannover.de). Revisiting the combinatorics of generalized cluster complexes and generalized associahedra in finite types.

I will present the natural combinatorial construction of subword complexes introduced by A. Knutson and E. Miller, and describe how to use them to construct generalized cluster complexes and generalized associahedra. I will also say some words about their connections to repetition quivers, Auslander-Reiten quivers, and generalized cluster categories in finite types.

This talk is based on projects in collaboration with J.-P. Labbé, C. Ceballos, V. Pilaud, and N. Williams. (Received February 19, 2013)