1014-37-872 Ulrich Krause* (krause@math.uni-bremen.de), Department of Mathematics, University of Bremen, 28334 Bremen, Germany. *Population dynamics under bounded enforcement*. Preliminary report.

The talk addresses a nonautonomous model of population dynamics forced by selfmappings of the positive reals satisfying a certain contraction condition. The existence of a global attractor is shown which in the case of periodic enforcement consists of a geometric cycle. Applications are to models of concave type and of Riccati type, in particular to Beverton-Holt equations where capacity and intrinsic growth rate may vary with different periods. The relationship to results obtained by Cushing-Henson and Elaydi-Sacker is discussed. (Received September 26, 2005)