

- increase in recovery and switching time after perturbation
- increase in variance, autocorrelation, long-range dependence
  - increase in occurrence and diversity of unstable states
- increase in the entropy of the distribution of state occurrences

<sup>&</sup>lt;sup>1</sup>Scholz JP, Kelso JAS, Schöner G. (1987). Nonequilibrium phase transitions in coordinated biological motion: critical slowing down and switching time. *Physics Letters A 123*, 390–394.

<sup>&</sup>lt;sup>2</sup>Scheffer M, Bascompte J, Brock W A, Brovkin V, Carpenter SR, Dakos V, Held H, van Nes EH, Rietkerk M, Sugihara G. (2009). Early-warning signals for critical transitions. *Nature* 461, 53–9.

<sup>&</sup>lt;sup>3</sup>Stephen DG, Dixon JA, Isenhower RW. (2009). Dynamics of representational change: Entropy, Action and Cognition. *JEP: Human Perception and Performance 35*, 1811–1832.

<sup>&</sup>lt;sup>4</sup>Schiepek G, Strunk G. (2010). The identification of critical fluctuations and phase transitions in short term and coarse-grained time series ... *Biological cybernetics* 102.197–207.