



Cybernetics Snacks

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Ison RL & Russell DB (eds) (2000/2007) Agricultural Extension and Rural Development: Breaking Out of Knowledge Transfer Traditions. A second-order systems perspective. Cambridge University Press. [Book available online here.](#)

Ison RL & Blackmore C (2014) Designing and developing a reflexive learning system for managing systemic change. Systems (Systems Education for a Sustainable Planet Special Issue), 2(2): 119-136. [Link to Special Issue.](#)

Ison RL (2018) Systems Practice: How to act in situations of uncertainty and complexity in a climate-change world. Lecture at the 50th Annual Conference of the Cybernetics Society. [Link to video on YouTube.](#)

Blackmore C, Sriskandarajah N & Ison RL (2018) Developing learning systems for addressing uncertainty in farming, food and environment: what has changed in recent times? Int J Agr Ext: 3-15. [Link to article.](#)

Ison RL, Alexandra J & Wallis PJ (2018) Governing in the Anthropocene: are there cyber-systemic antidotes to the malaise of modern governance? Sustainability Science 13(5): 1209-1223. [Link to article.](#)

Mumaw L, Ison R, Corney H, Gaskell N, Kelly I (2023) Reframing governance possibilities for urban biodiversity conservation through systemic co-inquiry. Environmental Policy & Governance (early access). [Link to article.](#)

Open University Module: Managing change with systems thinking in practice. [Course and enrolment information here.](#)

Systems Thinking in Practice (STiP) Hub and resources at the Open University. [Link.](#)