

April 7 2021

6th Viennese Talks on Resilience and Networks

Principles for Resetting a Post-Corona World

The notion of resilience has been around for decades but has gained importance as we witness disruption in many major systems (e.g., economic, climate, biodiversity, equity, and human health) and wonder whether we are nearing any irreversible tipping points.

The Covid-19 pandemic is the latest crisis we find ourselves in. As nations around the world are gaining control of the virus through vaccines and social health measures, there is a loud call to “build back better”, namely in terms of building more resilience into our systems. We believe the lessons learned from studying the energy and matter flows as well as redundancy and network relations that have allowed our ecosystems to sustain for millennia are a good starting point for discovering general principles for system design and function. In an effort to support a convergence of ideas between systems ecology, complexity, economics, sustainability, networks, resilience and “building back better”, authors of the recently published book “*A New Ecology: Systems Perspective*” are meeting in this workshop to provide insight into ecological principles. Join us for a series of talks followed by a discussion that explores a range of topics and offers new perspectives on ecological systems thinking and networks.

Event Moderation: Valerie Streibel

14:00 – 14:25 Key Note *The 'transformability' aspect of resilience* – **I. Darnhofer**

14:25-15:55 Session 1: 4x15min Talks + 30min Discussion

1. *Ecological Principles and Network Mutualism*– **B.D. Fath**
2. *Network Synergism: Ecology's Invisible Hand?*– **B.C. Patten**
3. *Window of Vitality: A Robust World has Trade-Offs*– **R.E. Ulanowicz**
4. *Is Most always Best? The Dynamics of Ecosystem Integrity and Services vs. Resilience and Adaptability*– **F. Mueller**

Discussion – Chair **U. Scharler**

15:50-16:00 Break

16:00-17:40 Session 2: 4x15min talks + 30min Discussion

5. *Openness Management - Between Construction, Destruction and Re-Construction*– **S.N. Nielsen**
6. *What Ecological Principles can say about Sustainability*– **S. Bastianoni**
7. *The Game of Possibilities for Sustaining Coastal Ecosystems under Global Climate Change*– **J.C. Marques**
8. *Applying Ecosystem Principles on Designing Innovation Ecologies* – **H. Katzmair**

Discussion – Chair **F. Morandi**

17:40-18:00 Summary & Closing Remarks **H. Katzmair**