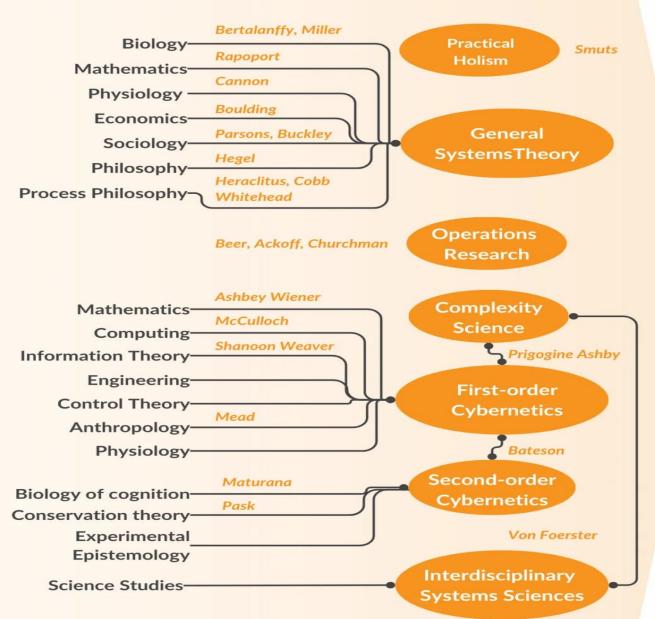
Systems Approaches in Agricultural Evaluations

Anna Maria Augustyn Independent Consultant



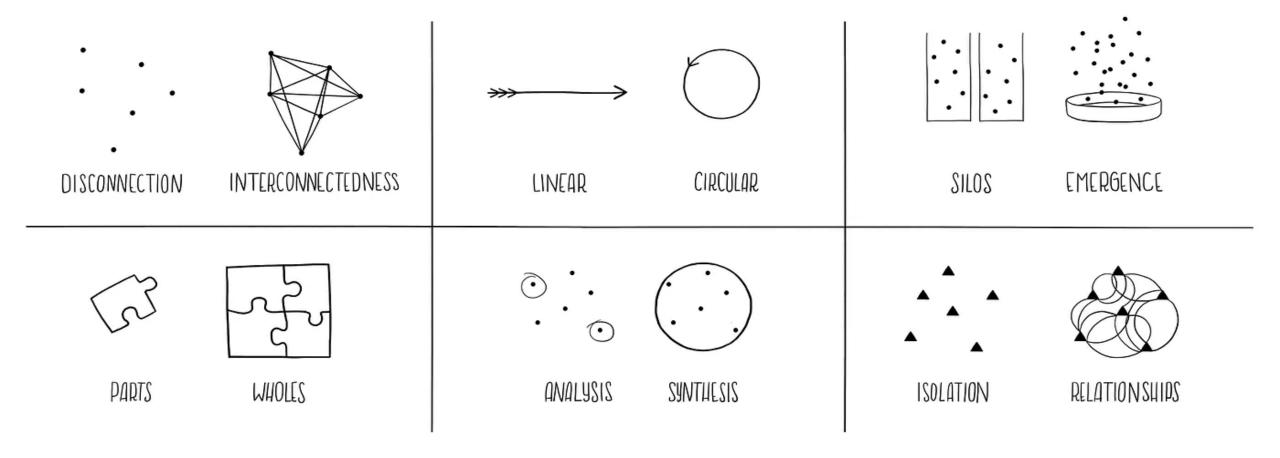


Development of Systems Approaches



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Rand Corporation Systems Analysis
            Systems Biology
            Whole Earth Systems
            Systems Engineering
            Farming Systems
            Complex Adaptive Systems
        Odum Systems Ecology
            Systems Dynamics
 Meadows, Senge
                          →"Whole Earth" SD
       Vickers Social Systems
            Systemic Family Therapy
  Stowell, Wood
            Information Systems
      Ackhoff Management Sciences
                          *"Soft OR"
  Argyris, Schon Management Learning
   Beer, Espejo Management Cybernetics
            Systematic Complexity
                          Systemic Inquiry
 Open University Applied Systems
                          ◆Systems Failure
Spedding, Bawden Systems Agriculture
                          →Systemic Development
  Flood, Jackson Critical Systems
                          Systemic Intervention
        Ulrich Critical Systems Heuristics
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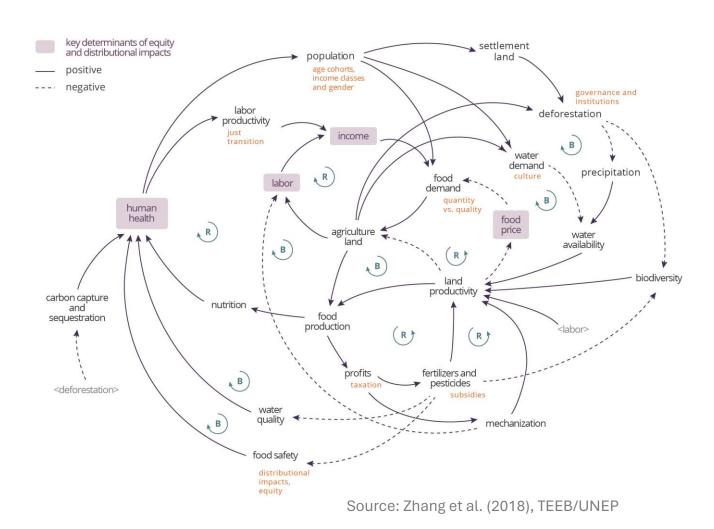
TOOLS OF A SYSTEM THINKER





Systems thinking in evaluation – key tools

Systemic inquiry Systems mapping Causal loop diagramms Cynefin framework Horizon scanning Actor mapping Backcasting Sensmaking Rubrics Multicriteria analysis



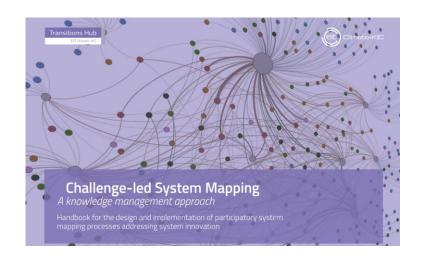
Key challenges for evaluation

- Alternative or integrated with the existing methods and toolboxes? (OECD DAC, logframe and linear approaches)
- Agencies and donors seek quantitative data (esp. on impacts)
- Public procurement and lack of good practice examples
- Skillset required for conducting evaluations
- Translating systems thinking beyond science
- Safe space for experimenting (R&I projects)

Benefits of systems approaches

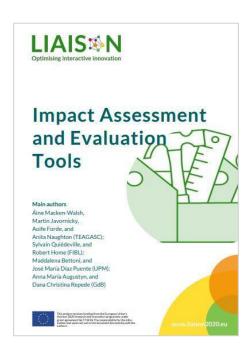
- An advanced study of the complex organizations, projects, networks etc.
- Holistic picture of the problem and solutions (scenarios!)
- Promoting adaptive mechanisms
- Forstering the culture of participation

You might been using these tools, even unaware! ©



Some examples









Get in touch
Anna Maria Augustyn
annamaria.augustyn(at)yahoo.com