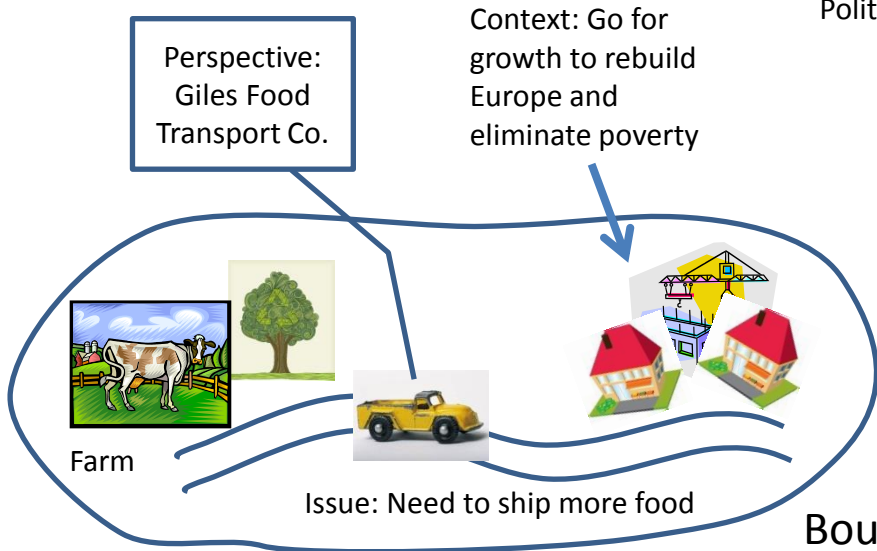


Scenarios as Transdisciplinary Systems Thinking

Stakeholders

Mr Giles – Issue Holder
Farmer, consumers – Impacted upon
Politicians – policy success



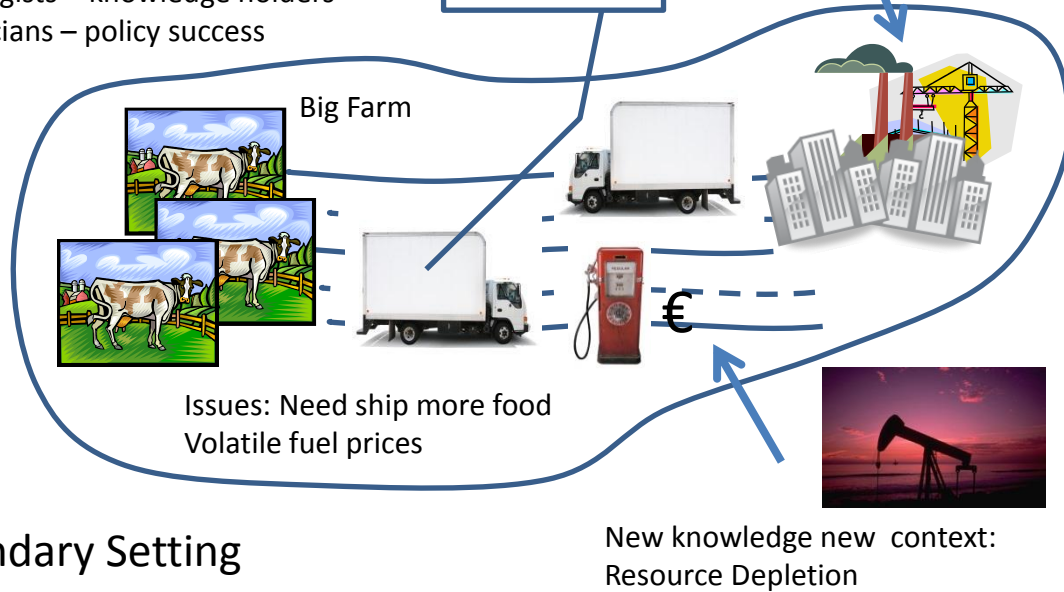
Boundary Setting

Explore context impacts on system. Urban growth requires increased food supply. e.g. As in post war Europe.

Boundary Setting

Stakeholders

Mr Giles – Issue Holder
Farmer, consumers – Impacted upon
Geologists – knowledge holders
Politicians – policy success



Explore system impacts on context. More and bigger trucks consume more fuel. e.g. Current high fuel prices.

History (Social Momentum)

Current Situation (Snap Shot)

Transdisciplinary Enquiry

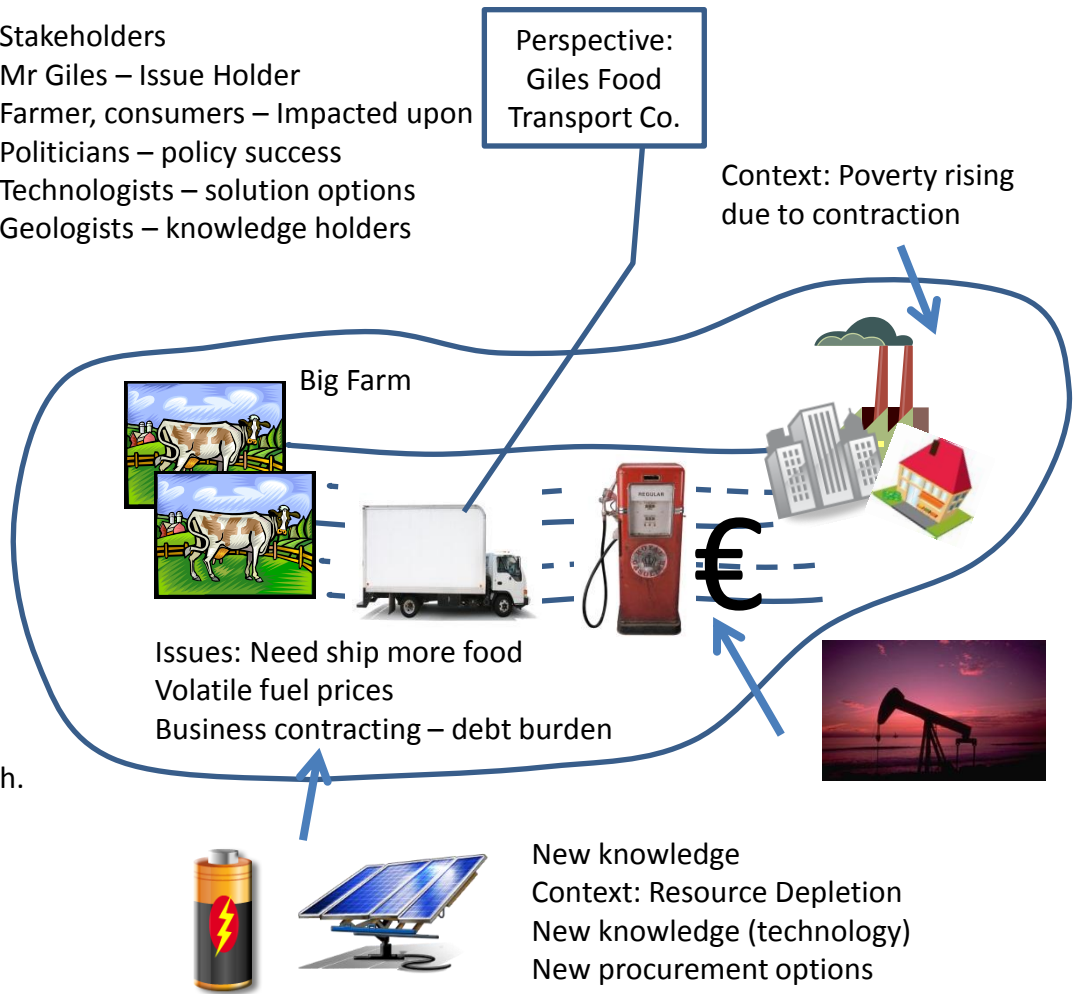
- Kinds knowledge
- Relationships of emergence and dependence
- Stakeholder knowledge
- Mediation of expert and lay knowledge
- Interdisciplinary clusters and transdisciplinary range

Systems Thinking

- Considers complex systems
- Boundary setting (system of interest)
- Stakeholder perspectives
- System mapping / analysis
- Feedbacks

Stakeholders

Mr Giles – Issue Holder
Farmer, consumers – Impacted upon
Politicians – policy success
Technologists – solution options
Geologists – knowledge holders

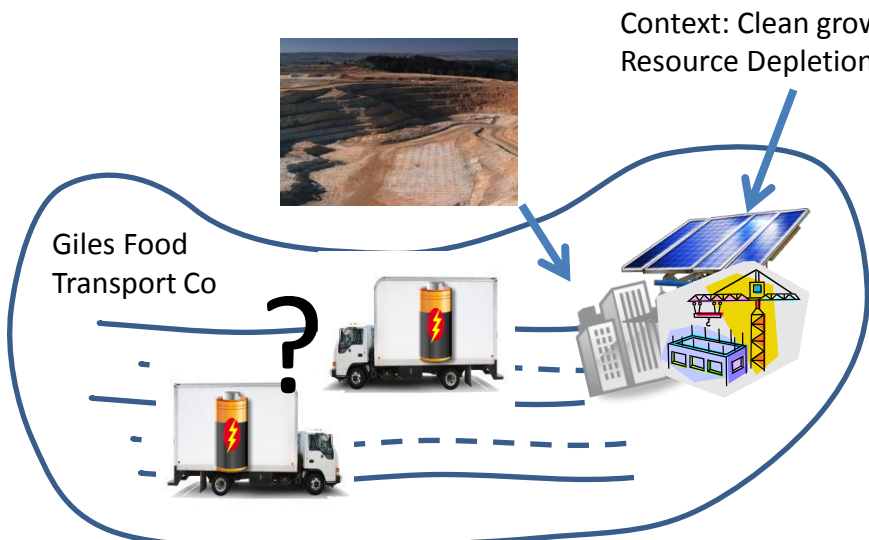


Explore impacts of options on system of interest. Electric trucks clean energy. E.g. Energy prices lower – growth resumes.

Future History (Risks and opportunities)

Stakeholders

Technologists – Issue Holders
Policy makers, society – Impacted upon
Geologists – knowledge holders



Explore impacts of new system of interest on context. Low energy prices will not stay low for long due to depletion of resource (silicon).