

Tracing Embodied P flows in Agriculture – a Participatory Process

**Presented by:
Ms Ramona M VanRiper**

Sustainable Food Systems



Tracing Embodied P Flows in Agriculture: a Participatory Process

Ramona VanRiper (Linköping University)

Product: a methodological tool to identify and communicate sustainability dimensions of P flows into farming systems

P inputs classified as:

- *Fossil P* (mined),
- *Recovered P* (post-consumer or reverse-entropy)
- *Displaced P* (temporally borrowed or spatially redistributed)

Process: Farm decisionmakers disclose all inputs and outputs of the farmgate

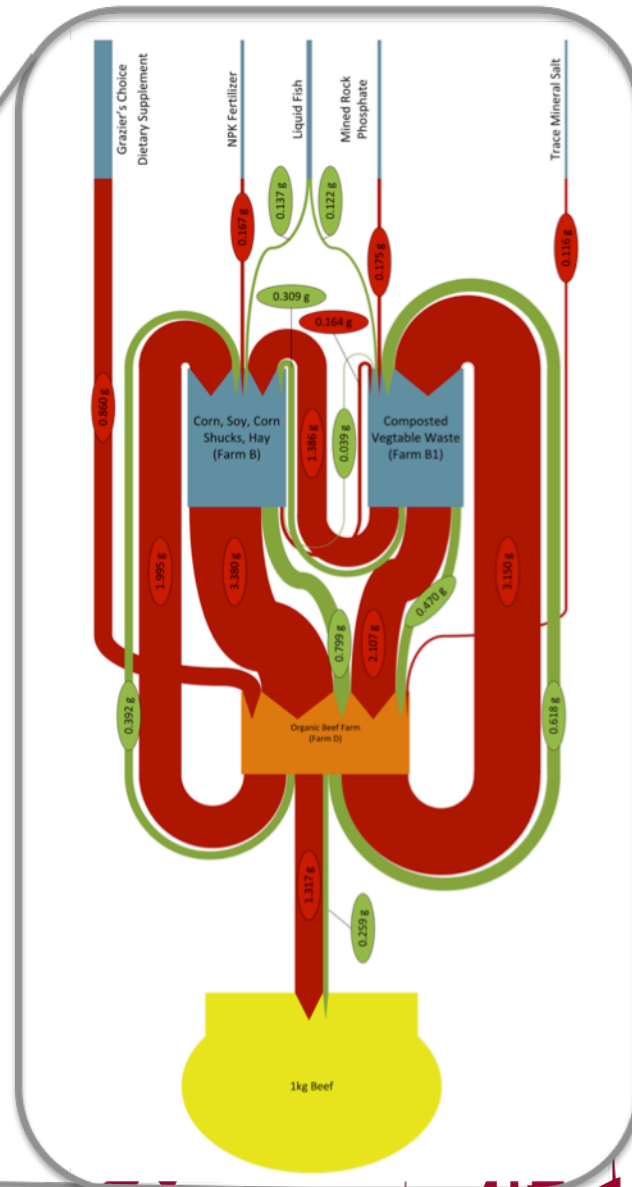
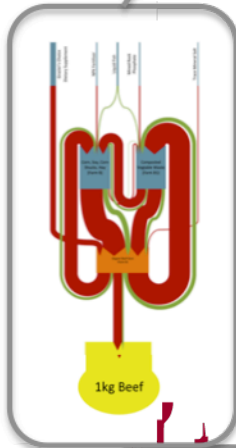
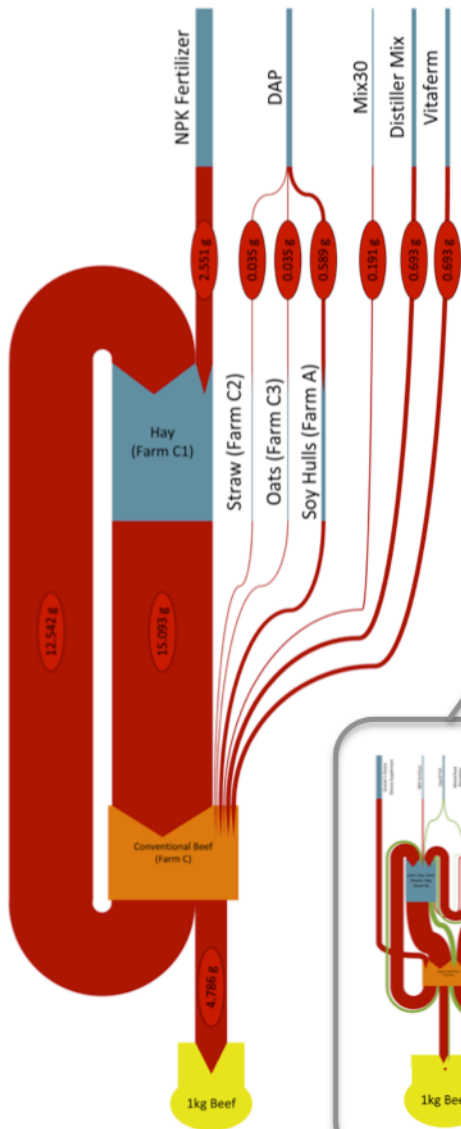
- Each P input is traced to its original source
- Flow diagram is produced and validated with farm decisionmaker

Case study responses: Decisionmakers discussed their understanding of global P scarcity before viewing their P flow diagram

- Some responses indicated consideration of practical steps for reducing fossil P inputs and increasing recovered P inputs



Case study: Conventional vs. Organic beef



Key:

