Intro

- Who I am and why I'm here
- CLDs and what are they for
- Basic notations
- Loops
- Multiple perspectives
- Worked examples

What are CLDs for?

Causal loop diagrams are directed graph representations of systems.

- · Nodes are causes and effects.
- · Edges are relationships

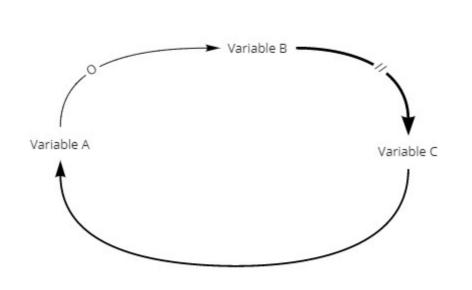
They help us to:

- · reason about systems
- develop shared mental models
- · visualise relationships and patterns
- develop our own insights about cause & effect
- have productive discussions

Most of the value is in the conversation



Basic Notation

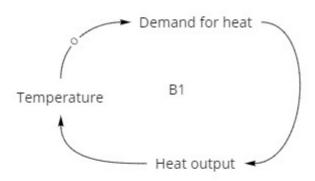


Default no annotation means positive effect "O" means
Opposite or
negative
effect

"//" means Delayed effect Line thickness indicates strength of relationship

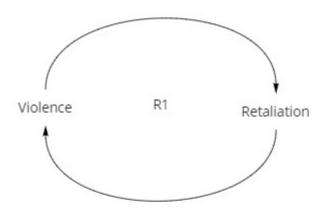
Loop types

Balancing Loop



- · maintain equilibrium
- · limit growth
- e.g. disease or resource limitations as balancing factors in population growth

Reinforcing loop

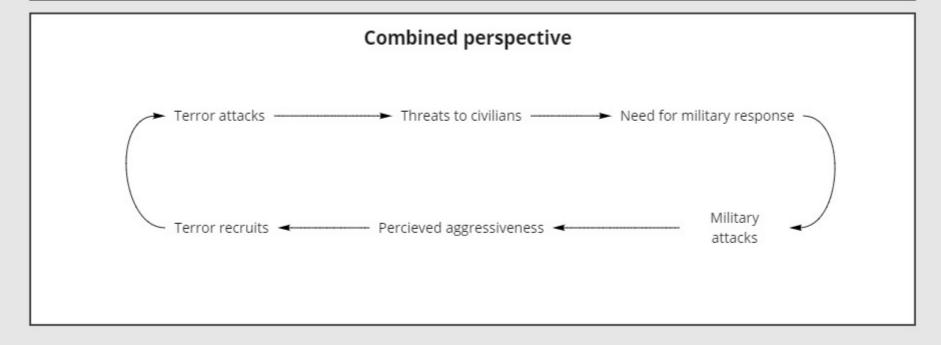


- · Reinforce growth & decay
- · Compound change in one direction
- e.g. positive vs negative reinforcement from a teacher or supervisor

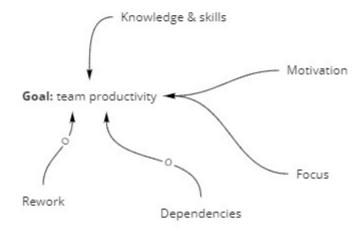
Perspectives







Example



My approach

Start from a goal

Variables should be:

- Measurable
- · Expressed as positives
- · Nouns not verbs

Work outwards

> Keep asking "what else?"

Look for unintended impacts

Example



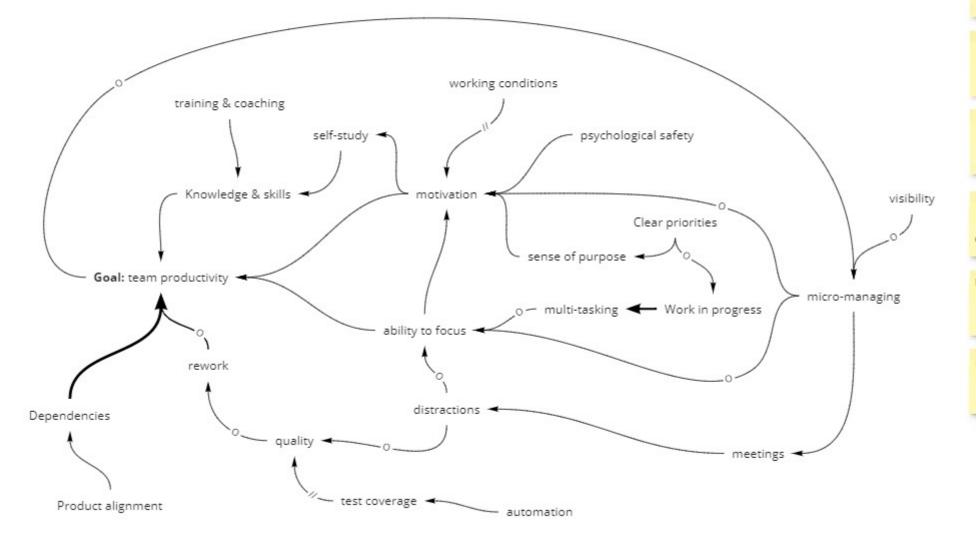
Groups or 1:1

Preparation for important conversations

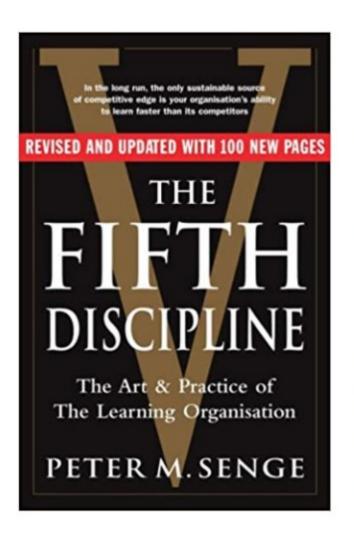
Build portfolio of actions

Find indirect ways to achieve outcomes

Each node can be a launch point for new diagram



Lots out there



https://less.works/less/principles/systems-thinking

https://thesystemsthinker.com/guidelines-for-drawing-causal-loop-diagrams-2/

