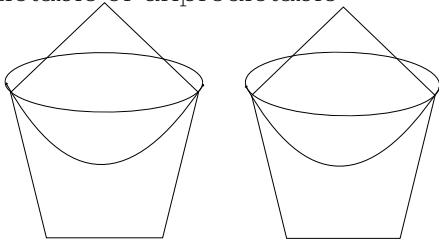


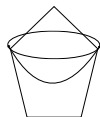
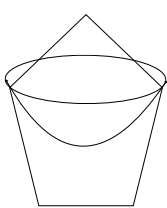
Complexity awareness

A key skill in an increasingly uncertain world

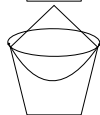
The world is either
predictable or unpredictable



The predictable world is either
clear or complicated



Complicated



Clear



Making coffee
is clear



Software



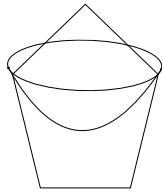
Car engine



Construction

... is complicated

The unpredictable world is
either complex or chaotic



Complex



Chaotic

Complex or chaotic



Unpredictable

Complex

The relationship between
cause and effect can only
be perceived in
retrospect

There is no relationship
between cause and effect
at the systems level

Chaotic

Disorder

Complicated

The relationship between cause
and effect requires analysis or
some other form of investigation
and/or the application of expert
knowledge

The relationship
between cause and
effect is obvious to all

Clear

Predictable

Cynefin model by Dave Snowden

Unpredictable

Complex

The relationship between
cause and effect can only
be perceived in
retrospect

Probe - sense - respond

There is no relationship
between cause and effect
at the systems level

Act - sense - respond

Chaotic

Disorder

Complicated

The relationship between cause
and effect requires analysis or
some other form of investigation
and/or the application of expert
knowledge

Sense - analyse - respond

The relationship
between cause and
effect is obvious to all

Sense - categorise - respond

Clear

Predictable

Cynefin model by Dave Snowden

Unpredictable

Complex

The relationship between
cause and effect can only
be perceived in
retrospect

Probe - sense - respond

Emergent practice

There is no relationship
between cause and effect
at the systems level

Act - sense - respond

Novel practice

Chaotic

Disorder

Complicated

The relationship between cause
and effect requires analysis or
some other form of investigation
and/or the application of expert
knowledge

Sense - analyse - respond

Good practice

The relationship
between cause and
effect is obvious to all

Sense - categorise - respond

Best practice

Clear

Predictable

Cynefin model by Dave Snowden

Relationships/Clients

How we
interact with
each other

My motivation

My action

What we can do
and achieve
together

Complex

Our culture

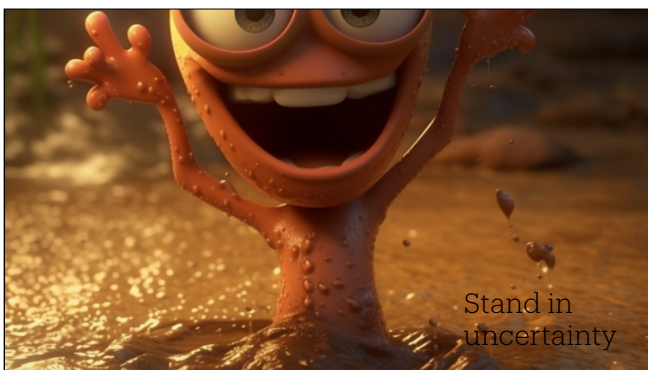
Our system

Complicated/simple

How to navigate in complexity

Mechanical and organic systems

- Mechanical systems are, by definition, non-adaptive, stable and can be either simple or complicated but are predictable
- Organic systems are, by definition, complex, adaptive and unstable, and therefore unpredictable



Probe

- Question
- Experiment (safe to fail)
- Poke

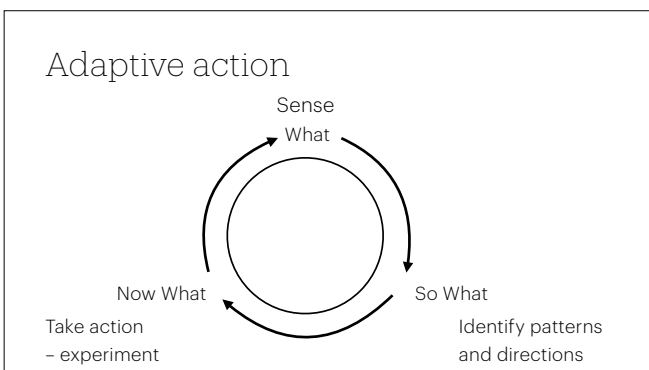






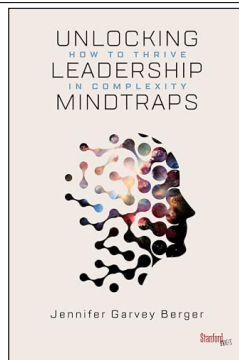
Sense-making

Unlocking complexity:
The power of sense-making



Navigating in complexity

- It's not about right and wrong – > options, with consequences
- Polarity thinking – not either/or but both/and
- Focus on the whole instead of the parts
- We are looking for patterns that set direction – not for answers
- The biggest challenge is our mindset

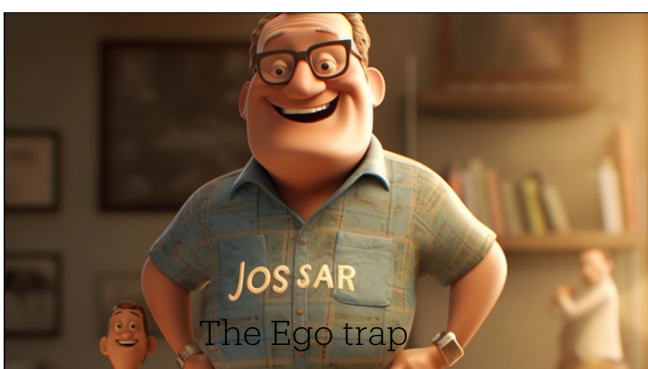




The need to be right



The need to be in control



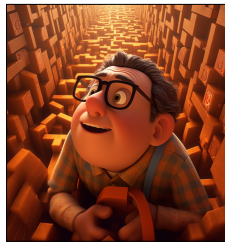
The Ego trap





The five mind traps – to avoid

1. The need to be right
2. The need to be in control
3. The Ego
4. The need for an agreement
5. The need for simple stories



A practical example





Possible
approaches

- Chaotic
- Complicated
- Complex

"I would not give a fig for the
simplicity on this side of complexity,
but I would give my life for the
simplicity on the other side of
complexity"

- Oliver Wendell Holmes Jr.
