HUMAN BE-ING

uncertainty

change

disruption

We spend our lives trying to discern where we end

and the rest of the world begins

We snatch our freeze-frame of life from the simultaneity of existence

by holding on to illusions

of permanence,
confidence,
and linearity;

of static selves and lives that unfold in sensical narratives. All the while, we mistake chance for choice, our labels and models of things for the things themselves,

our records for our history.

History is not what happened, but what survives

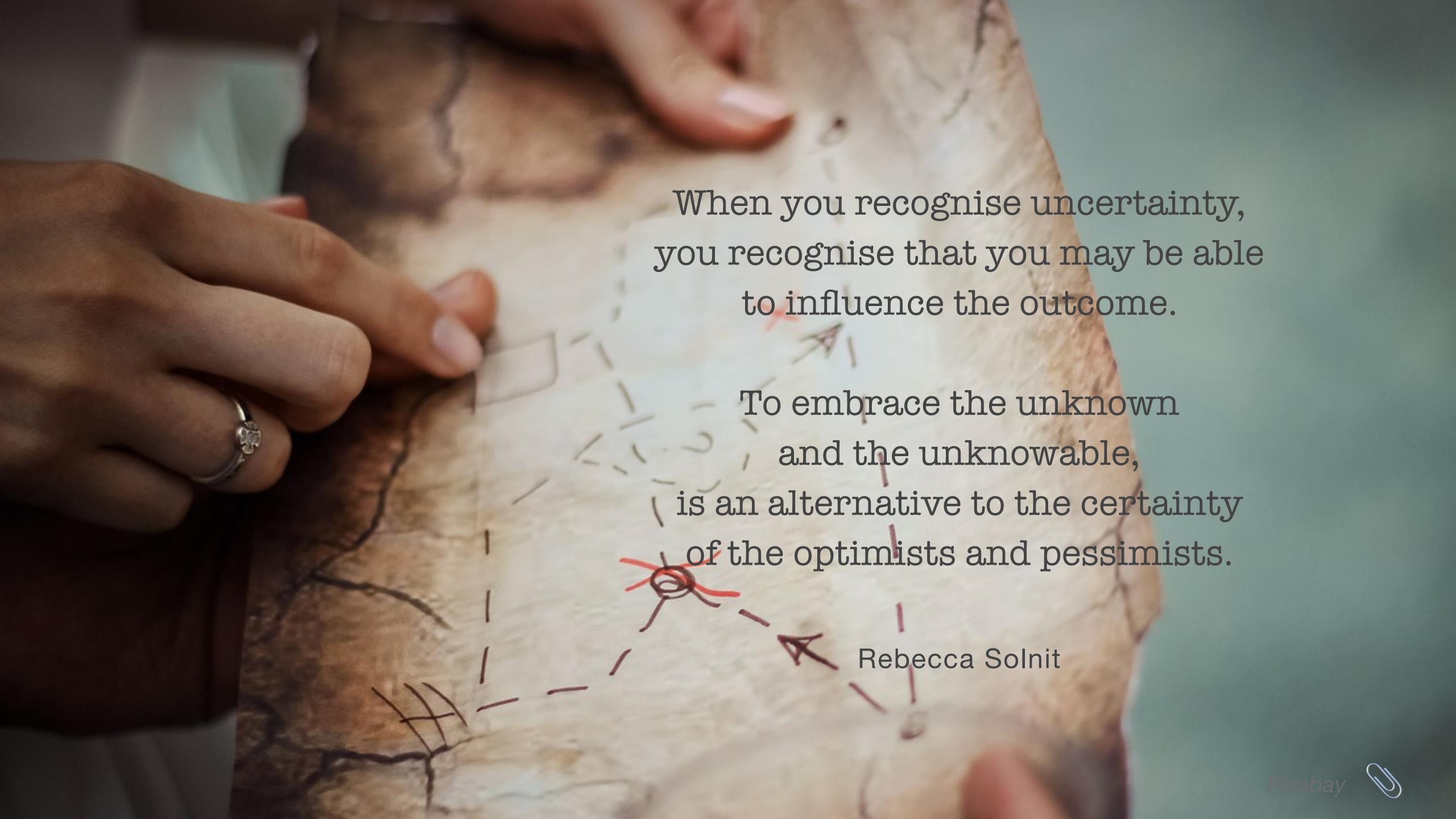
the shipwrecks of judgement and chance.

Maria Popova









How we think about the world determines how we live in it, and act in it.







uncertainty disruption change Pixabay 🕥

The shape we will find only when we start to draw - a mixture of making and looking ...

William Kentridge

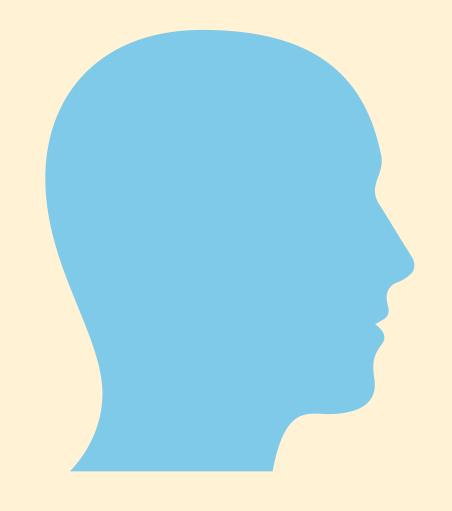


Risk

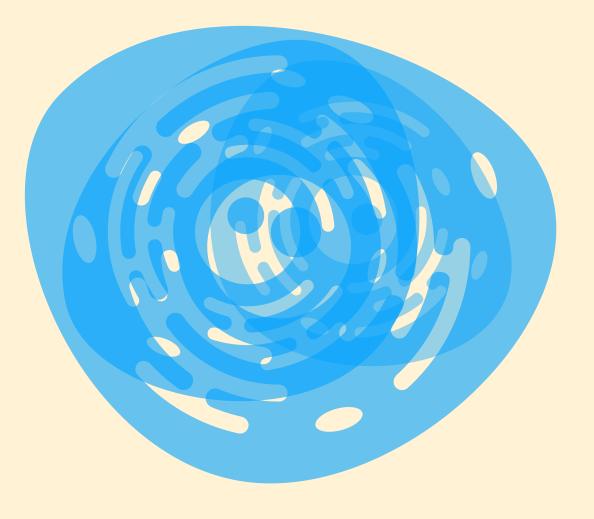
uncertainty objectives



causes controls







When you view the world as a system, the idea of cause becomes meaningless,

because there's no way to isolate an individual cause ...

instead, the world is a tangled web of influences.

Netflix



PART 1



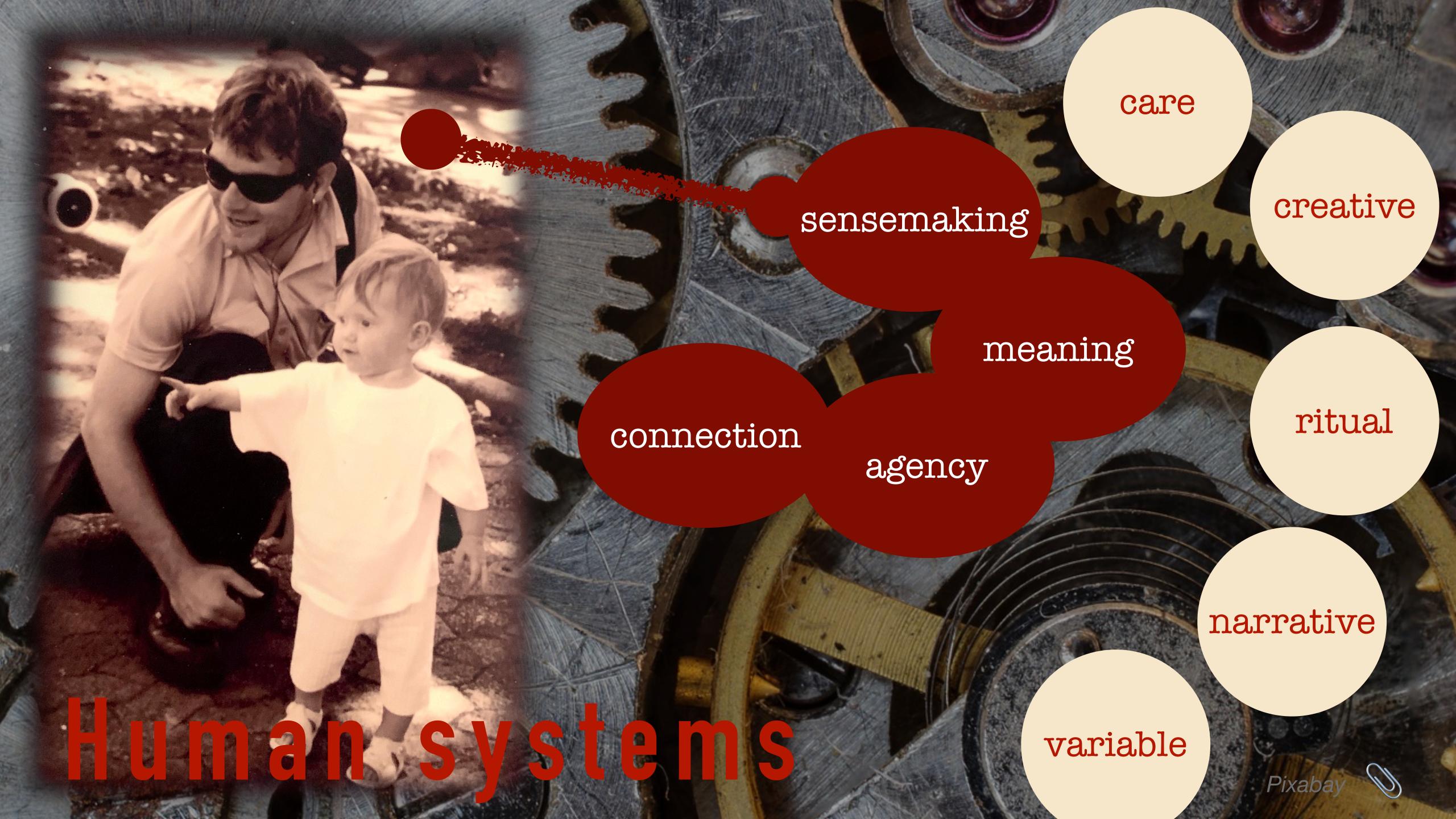
The world as we have created it is a process of our thinking.

It cannot be changed without changing our thinking.

Albert Einstein







What if ...

ordered

deterministic

predictable



messy

fragmented

broken

When we try to pick out anything by itself, we find it hitched to everything else in the universe.

John Muir



constantly changing nonlinear dynamics sensitive to initial conditions domains of stability phase transitions tipping points fundamentally unpredictable retrospective coherence contributors not causes exaptation / adaptation

time directionality path-dependency carries its history

many heterogeneous components (un)discoverable interactions nteract through feedback across scales and levels open to environment hubs and levers nested systems of systems with distributed control irreducible whole vs. sum of the parts

self-organising

distributed local interactions of autonomous components give rise to global patterns of behaviour

influence vs. control

emergence

novel, unexpected higher-level properties not easily predicted from the components

surprises (& failure) are inevitable

Complex adaptive systems



You're not stuck in traffic, you are traffic.

Kevin Slavin



The only valid model of a complex system is the system itself.

Murray Gellman



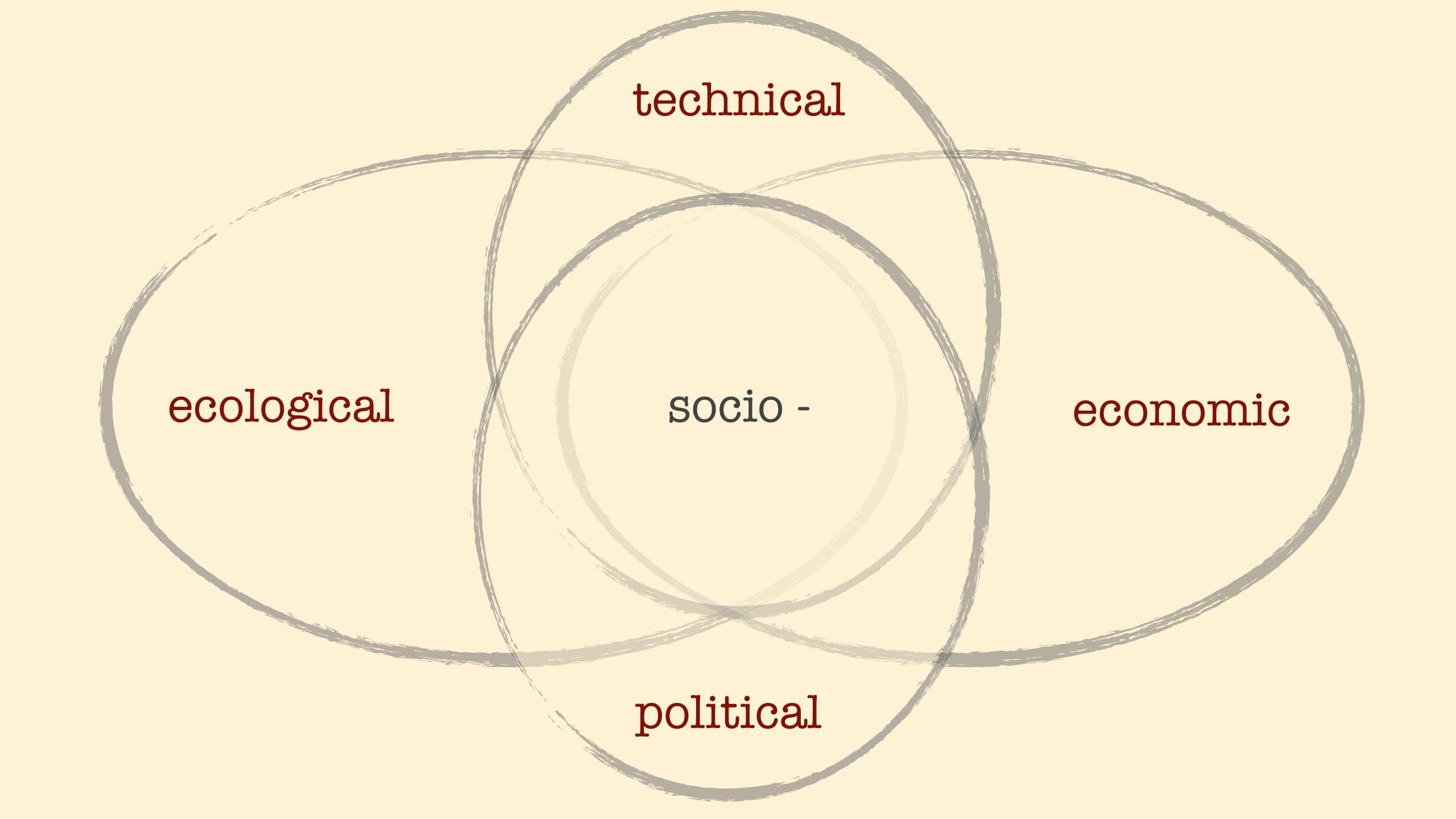
the evolutionary potential of the present

Both the dream of omnipotence and the nightmare of impotence in a fully knowable but deterministic world dissolve with complexity science,

which in many ways represents an important cultural awakening.

The Sage Handbook of Complexity and Management









PART 2

Resilience:

the science of dealing with surprise.

Buzz Holing

Resilience (a verb)

persist



adapt



transform



Specified vs. General Resilience

Social

Structures Protocols Plans

Thinking Culture Networks

Technical

Designed Redundant Systems

Smart meters Mobile substations

Specified

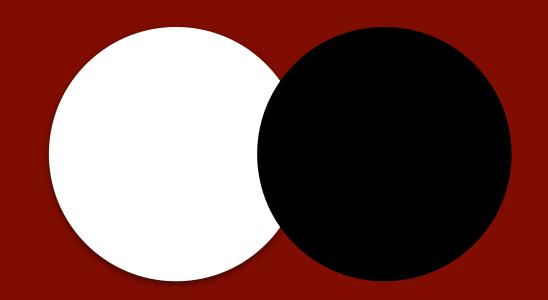
General



Accidents



human variability



Emergent outcome of various influences (some discoverable)

Root cause:
human error vs.
technical error

(retrospective coherence)

History is the fiction we invent to persuade ourselves that events are knowable and that life has order and direction.

Bill Watterson



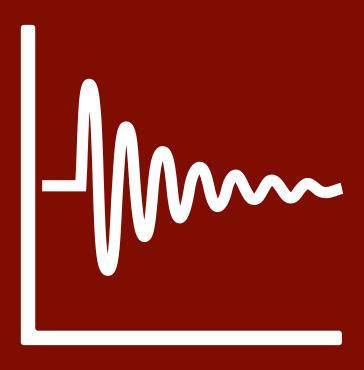
Management as "root cause"

control feedback

work "as done" vs. "as imagined"

Learning

unexpected surpises



"how" not "why"

(rapid)

Resources are finite.
Surprise is fundamental.
Change never stops.

David Woods





Following an operational surprise, we seek to understand what the world looked like from the perspective of the people involved.

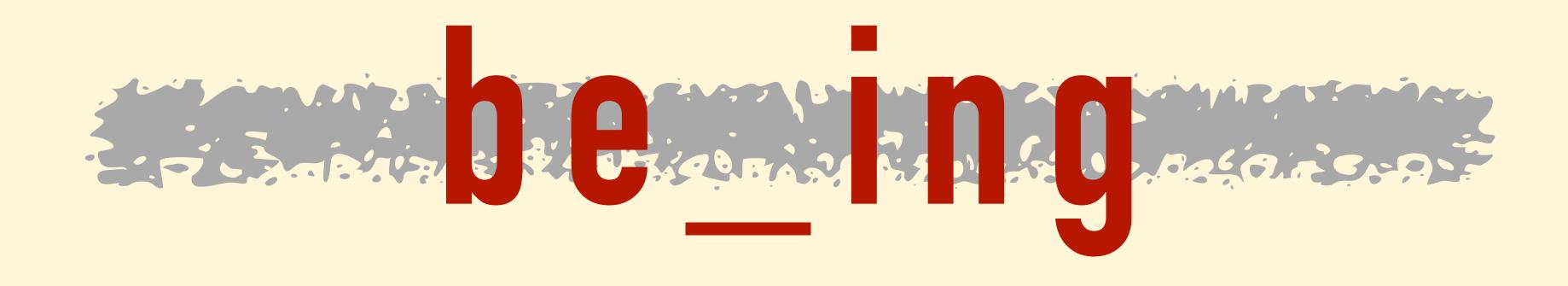
We facilitate interviews, analyze joint activity, and produce artifacts like written narrative documents.

Relationship building is a huge part of this role.

Netflix Job Advert, Snr Resilience Advocate



PART 3





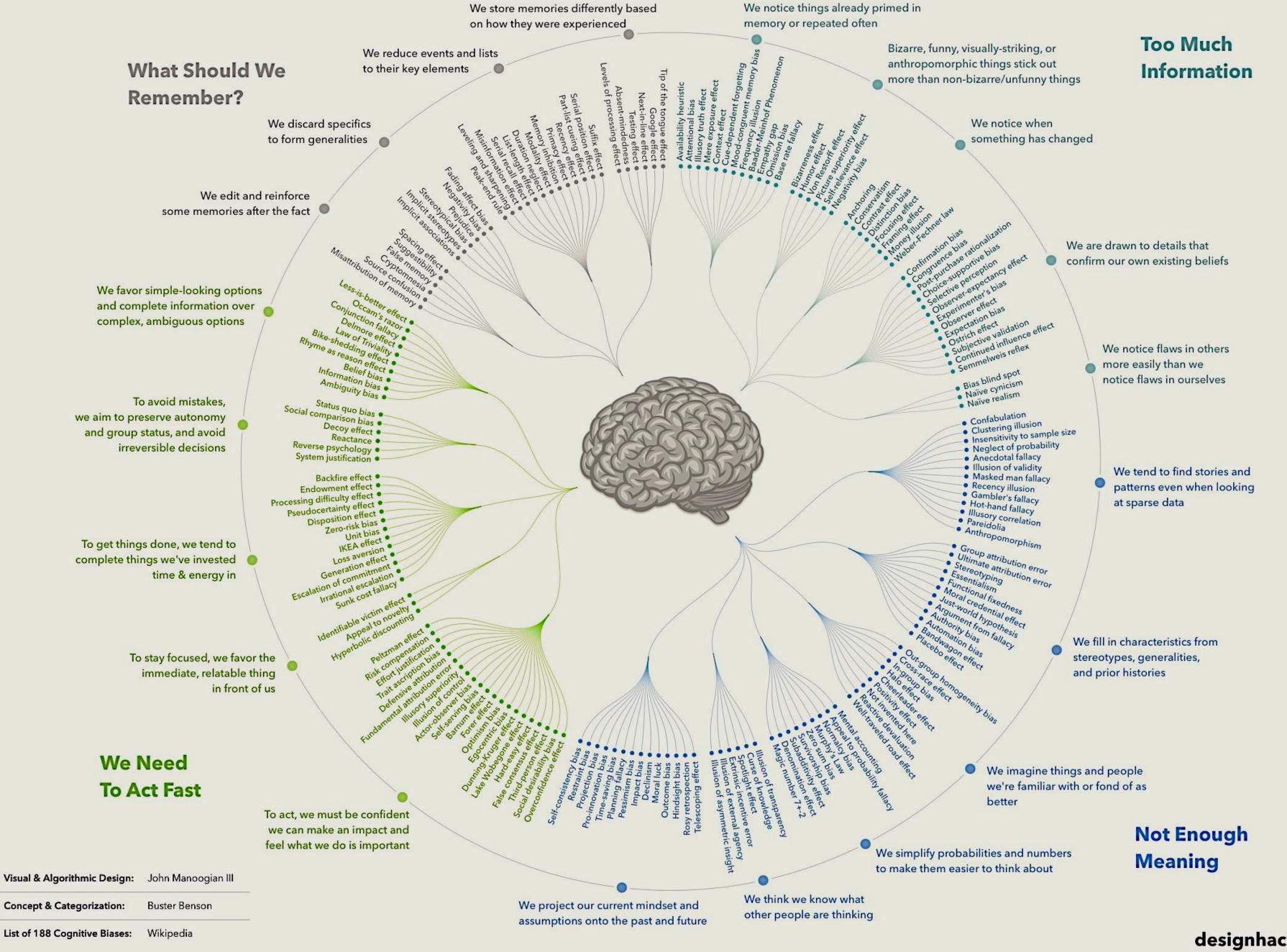
We see things not as they are

... but as we are.

Anaïs Nin



COGNITIVE BIAS CODEX

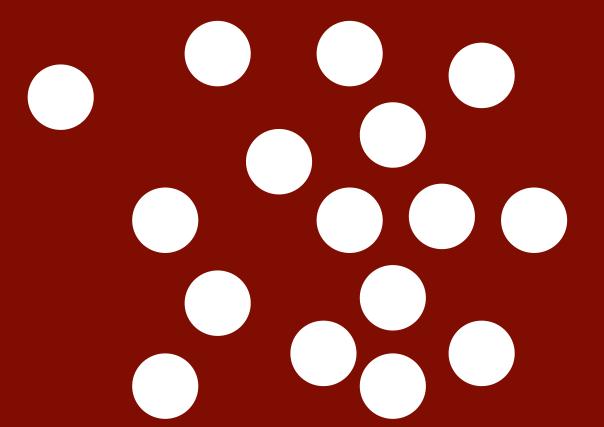


Experts



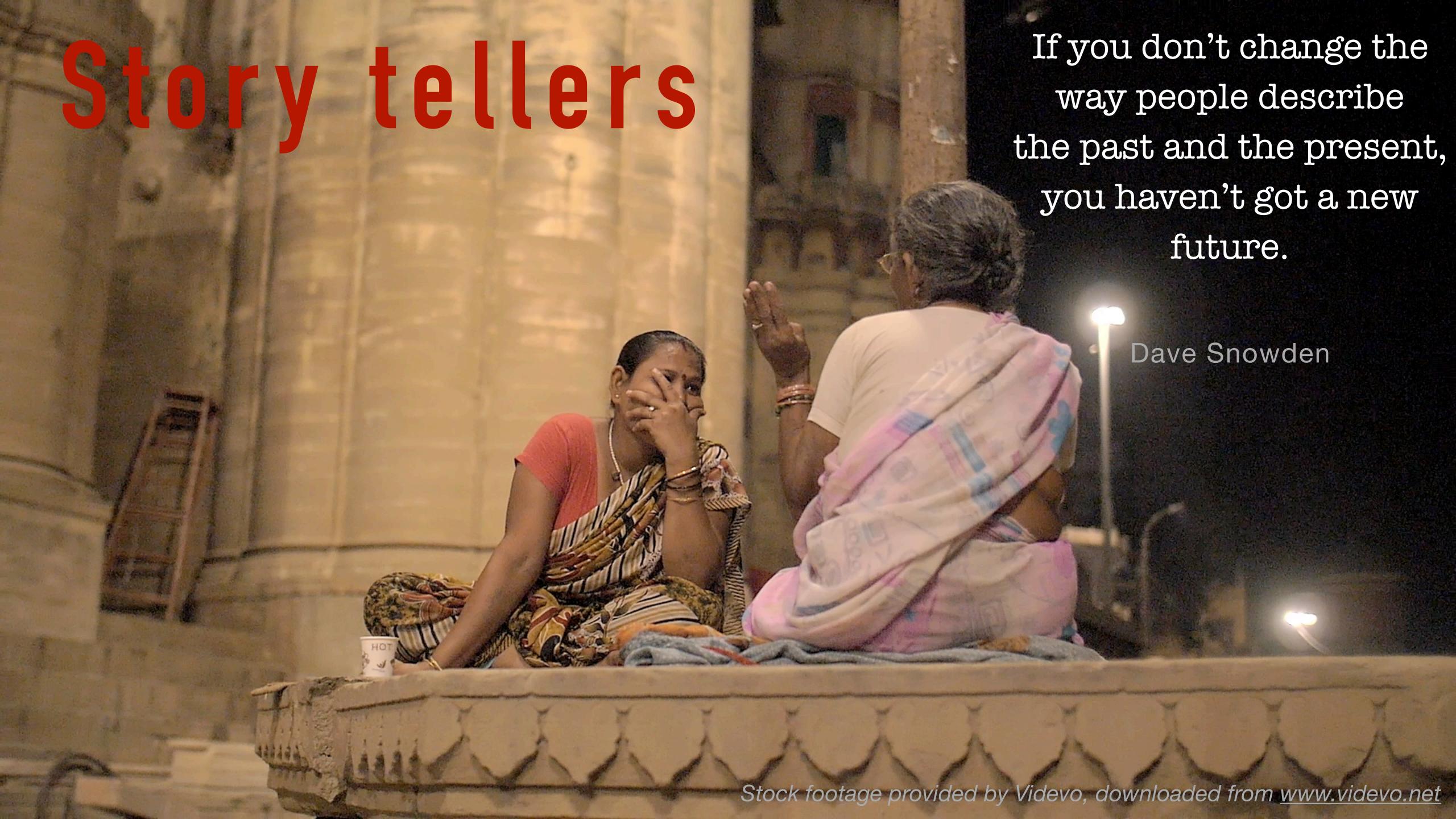
Where the Possibilities Lie

outliers



small signals

Threats Opportunities



Maybe stories are just data with a soul.

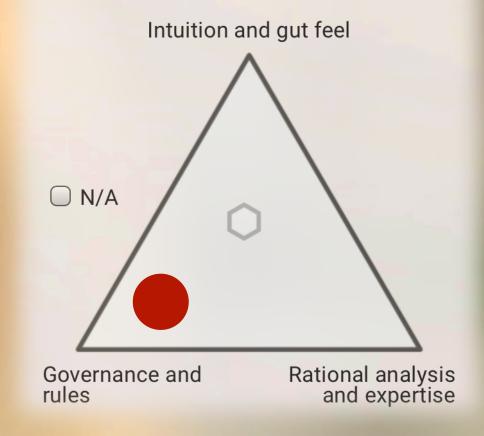
Brené Brown



Human sensor networks



In my story, our decisions about what to do were guided by ...

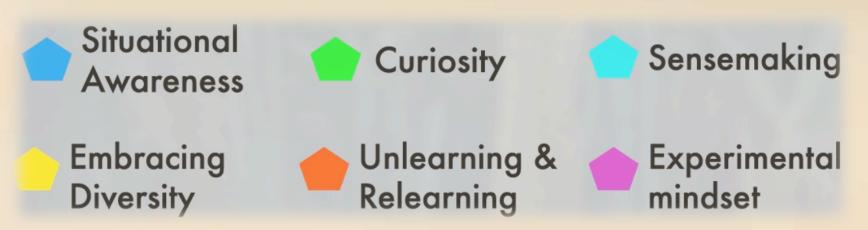


In my story, the focus was on



Please give your story a title or describe it in a #tag:

no one saw it



Stock footage provided by Videvo, downloaded from www.videvo.net

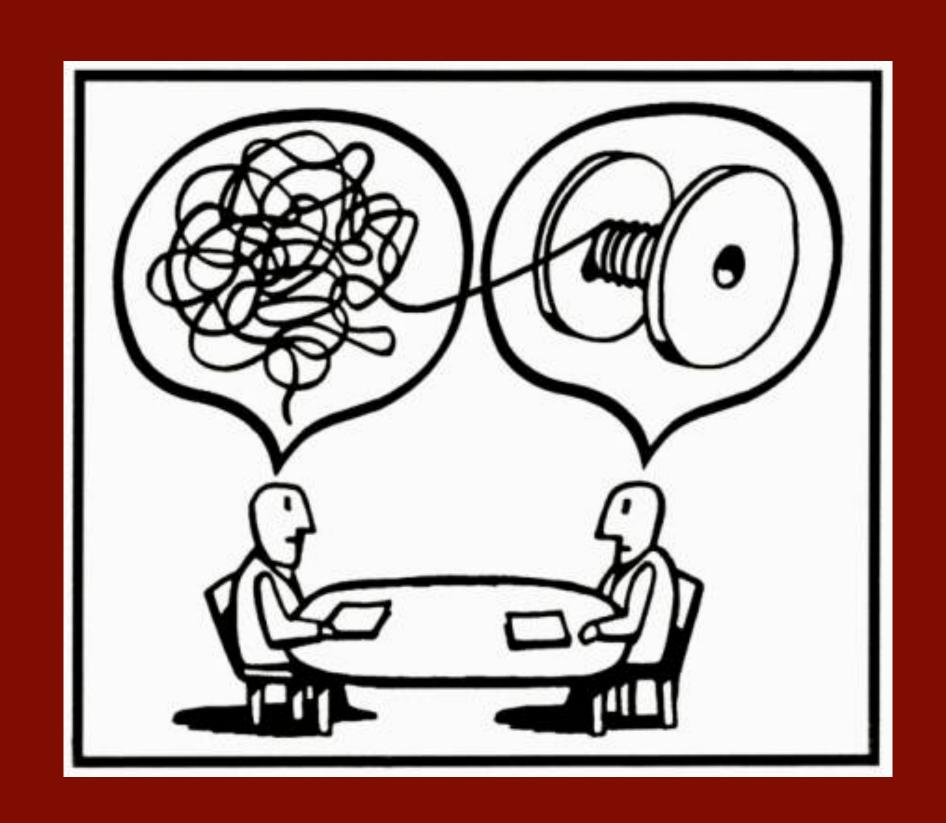
In the end we all become stories.

Margaret Atwood



Sense of Coherence

Meaning



Sensemaking

Agency and connectedness

(the requisite) imagination
enables better decision making,
because the unintended consequences of decisions
are factored into the process
of coming to a decision

Karl Weik, Kathleen Sutcliffe



Simulation Exercises Ritual



"entering an 'as-if' world"

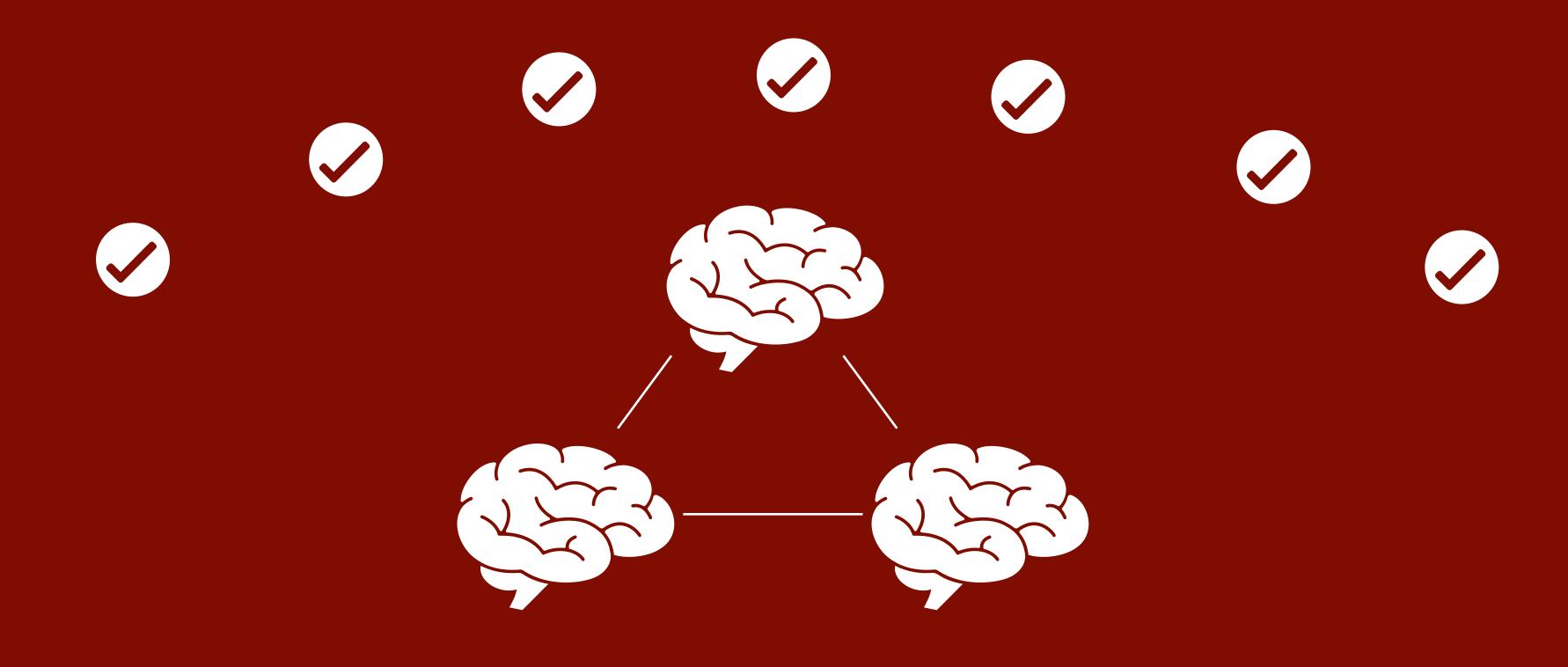
Rituals are transformative because they allow us to become a different person for a moment.

They create a short-lived alternative reality that returns us to our regular life slightly altered.

For a brief moment, we are living in an "as-if" world.

The key for the players is to be conscious that they are pretending; that together they have entered an alternative reality in which they imagine different aspects of themselves.

Collective Creativity



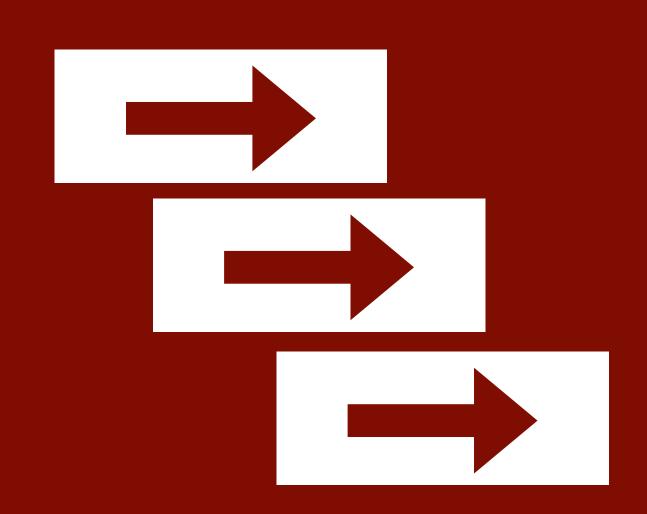
"objectives that match the complexity of what we face"

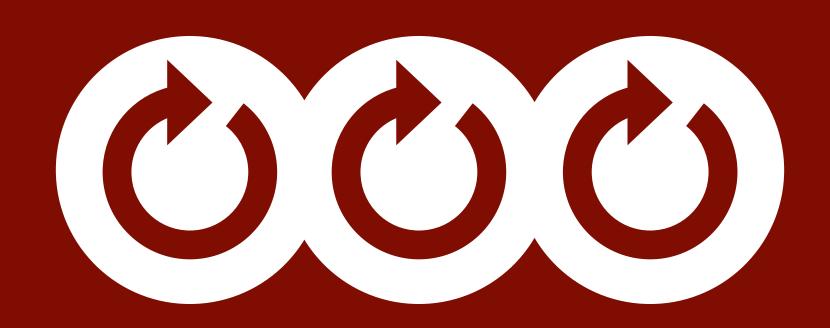
The thing you are doing now affects the thing you see next.

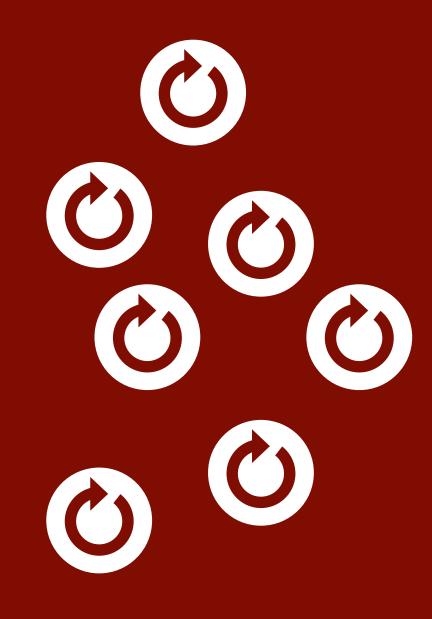
Alexandra Horowitz



Acting in Complexity







waterfall

agile / scrum

"multiple safe-to-failexperiments"

We see in order to move; we move in order to see.

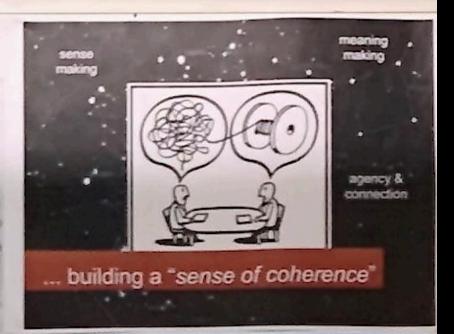
William Gibson







more agile for the transition





















sensemaking

meaning

connection

agency

CONCLUSION



Complex adaptive systems

Resilience thinking

story telling as warm data
human sensor networks
small signals & outliers

human variability vs human error

causes vs. influence root cause

sense of coherence human creativity

influence vs control ritual as influence

evolutionary potential of the present

the agile journey

uncertainty

change

disruption



You will come to a place
where the streets are not marked.
Some windows are lighted. But mostly they're darked.
A place you could sprain both your elbow and chin!

Do you dare to stay out? Do you dare to go in? How much can you lose? How much can you win? And IF you go in, should you turn left or right ... or right-and-three-quarters? Or maybe not quite? Or go around back and sneak in from behind?

Simple it's not, I'm afraid you will find, for a mind-maker-upper to make up his/her mind.

