



DISRUPTIVE FUTURES INSTITUTE

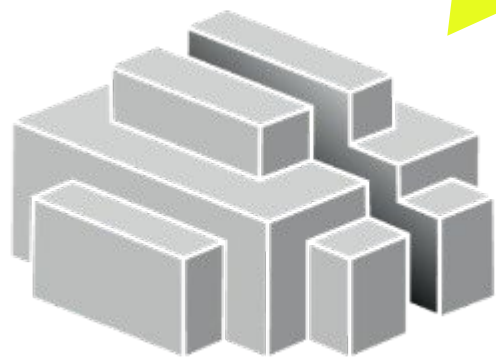
High Abilities from a Country Perspective

Câmara dos Deputados

19 October 2023

Roger Spitz, San Francisco (USA)
@disrupt_futures

ADVISING



Techistential
@TECHISTENTIAL

Techistential is a **global foresight practice that advises** organizations, entrepreneurs, investors, and policymakers on:

- Climate & Strategic Foresight
- Sustainable Value Creation & Anticipatory Governance
- Transformative Innovation & Systemic Change
- Artificial Intelligence, Ethical & Technology Foresight
 - Techistential Center for Human & Artificial Intelligence

EDUCATING



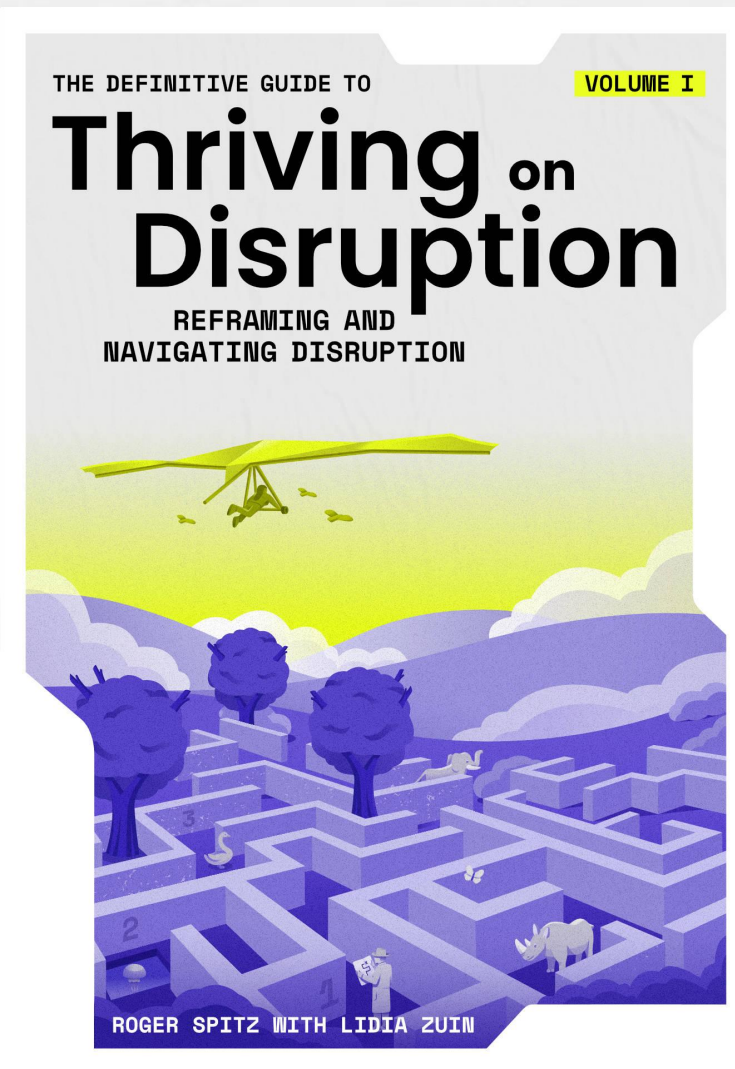
@DISRUPT_FUTURES

The Disruptive Futures Institute is a **think tank that educates:**

- Futures Thinking Mindset & Capacity Building for Resiliency
- Executive Education, Keynotes, Masterclasses & Courses
- DFI Sustainability & Climate Academy
- Books, Research & Publishing
 - Publisher of Bestselling Collection “Thriving on Disruption”
- Rethinking Governance from Boardrooms to Policymakers

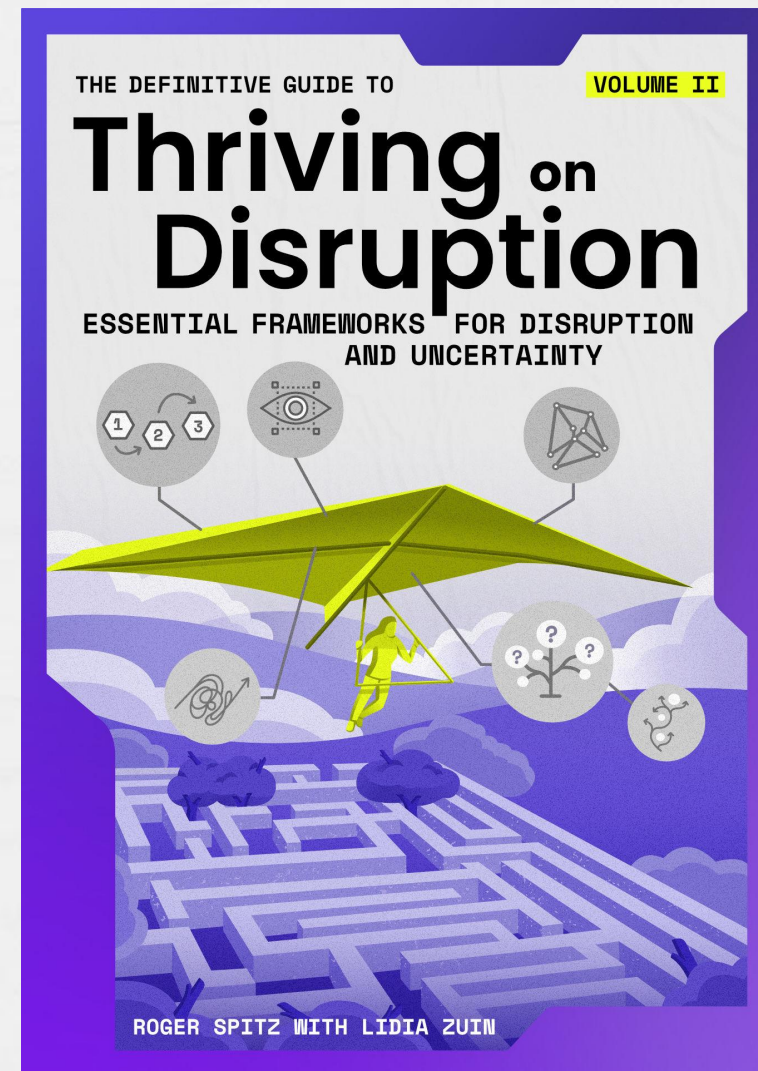
The Definitive Guide to Thriving on Disruption: A Collection of Four Volumes

FOUNDATIONS



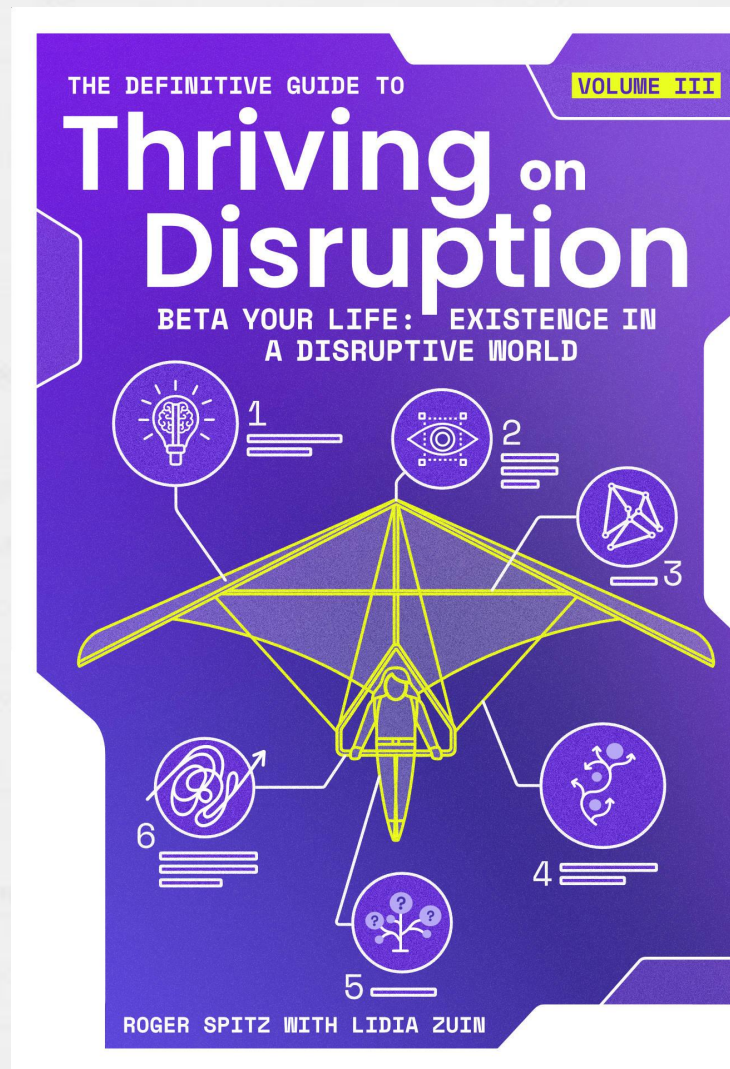
VOLUME I
Reframing and
Navigating Disruption

FRAMEWORKS



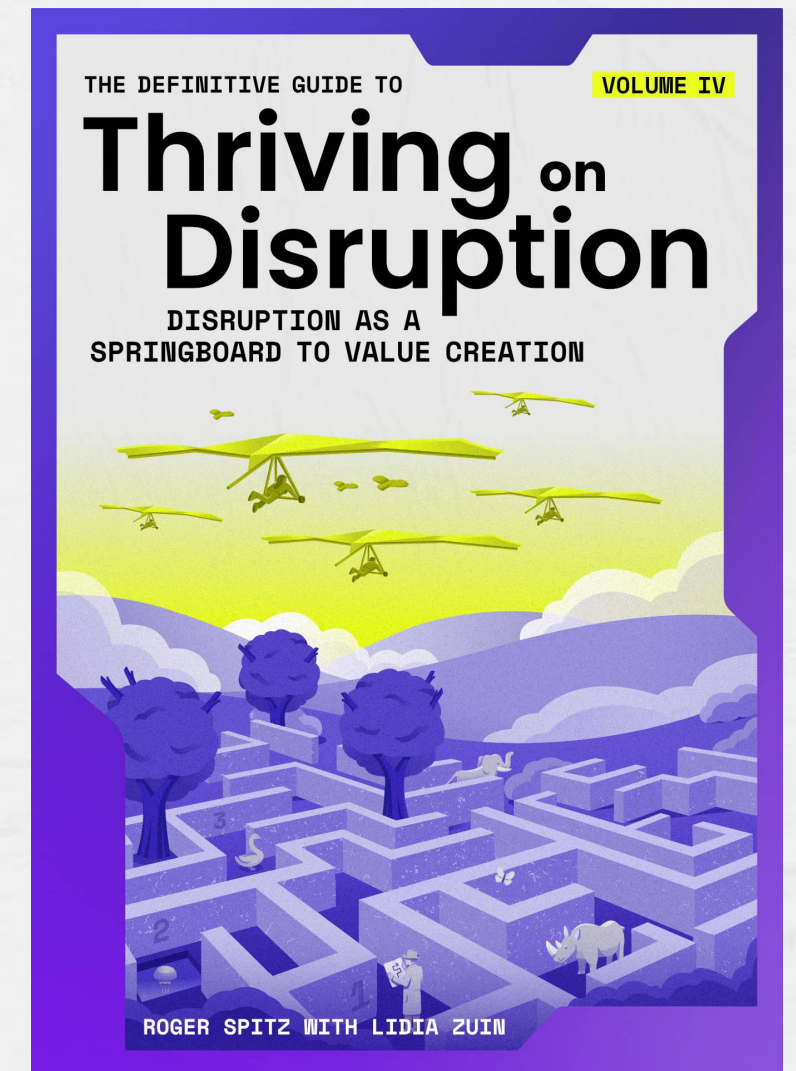
VOLUME II
Essential Frameworks for
Disruption and Uncertainty

YOUR LIFE



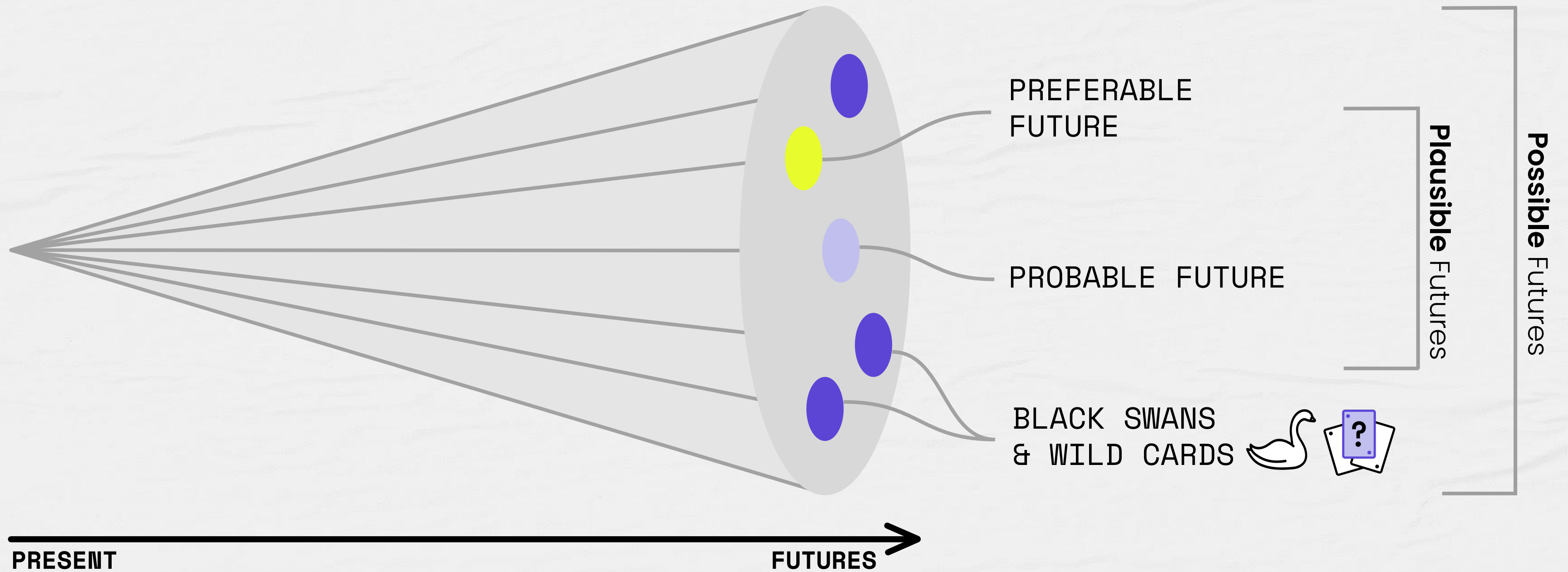
VOLUME III
Beta Your Life: Existence
in a Disruptive World

YOUR BUSINESS

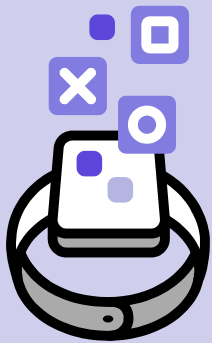
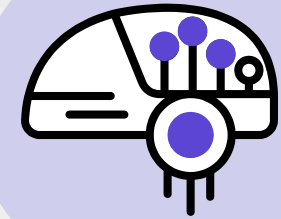


VOLUME IV
Disruption as a Springboard
to Value Creation

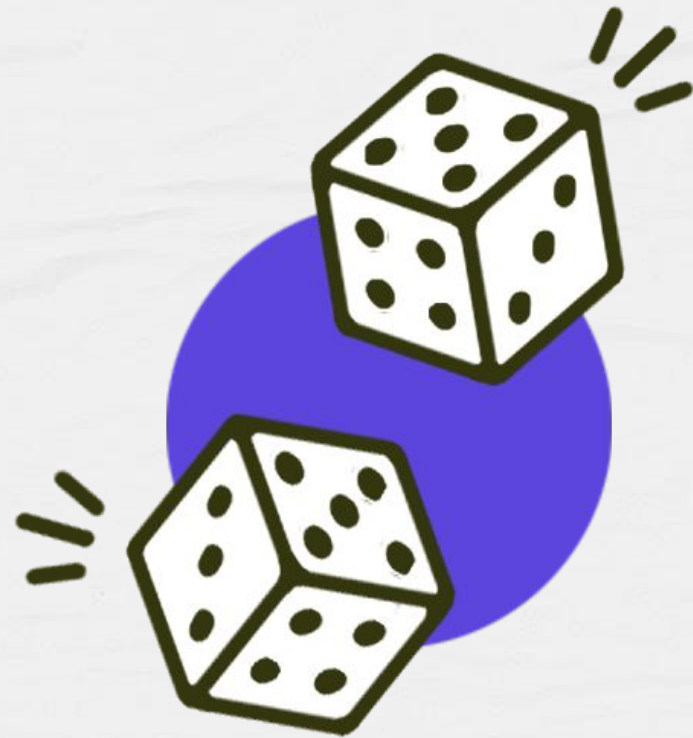
The Futures Cone – Choose your own Future



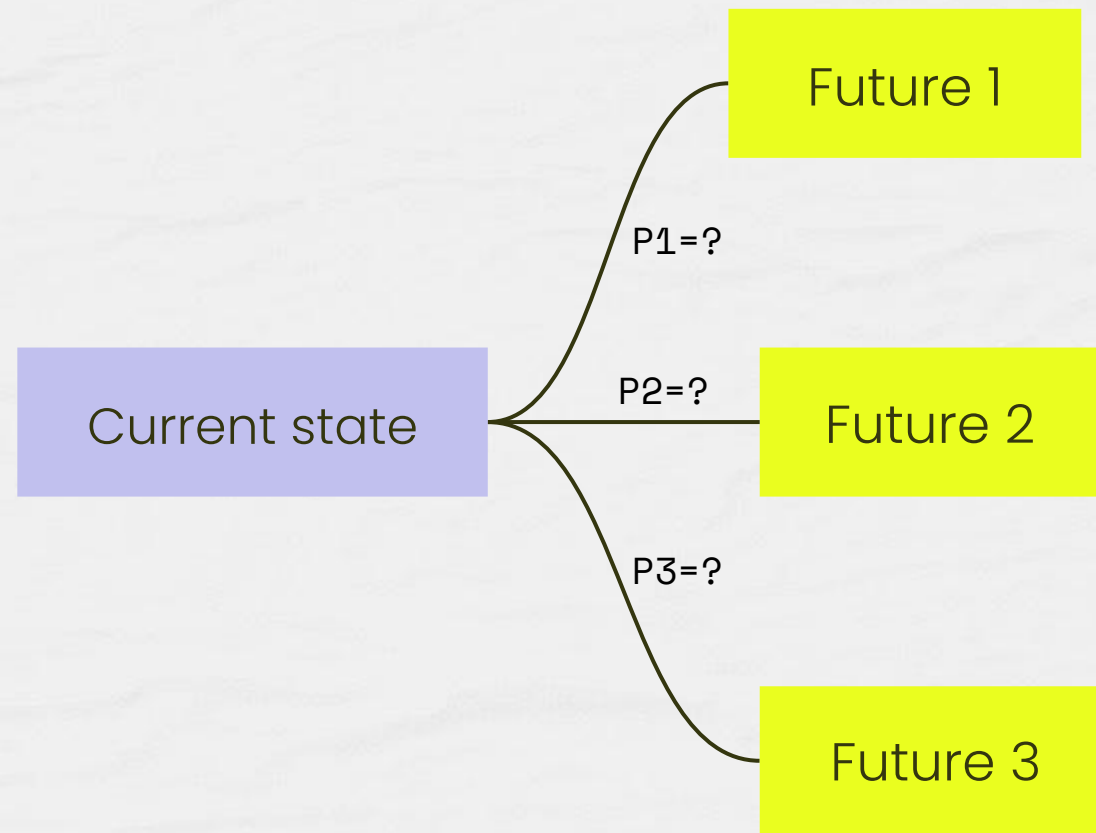
What if...?



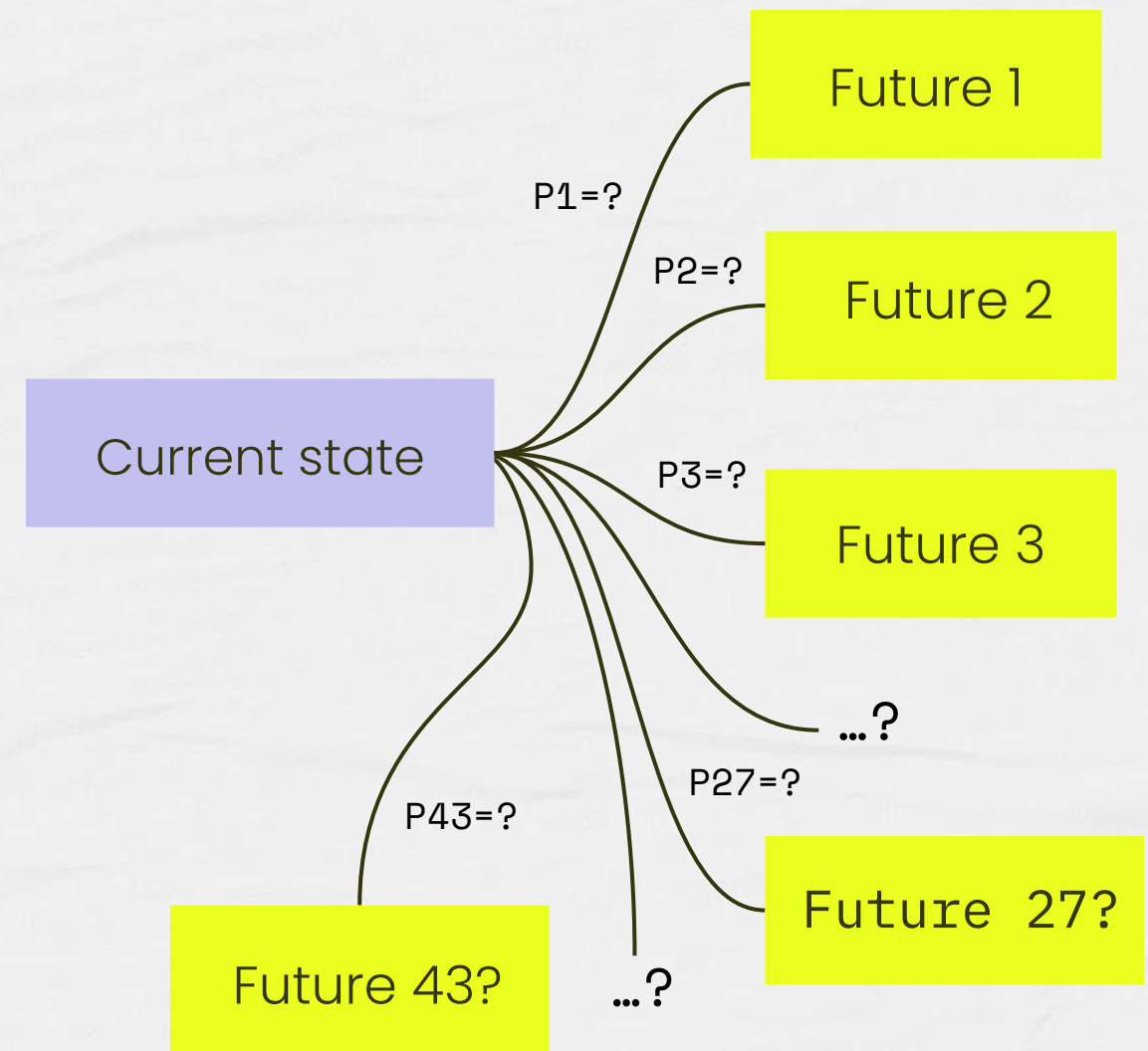
Risk



Uncertainty



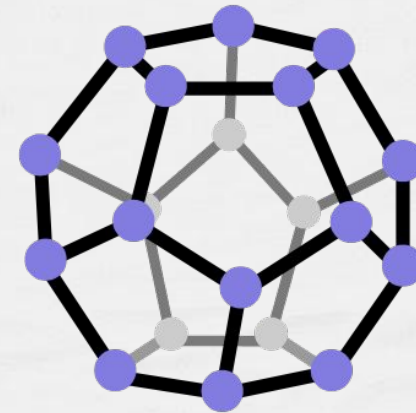
Deep Uncertainty



P=Probability

What Is Complexity?

Unpredictable
Multi-source causality
Constant flux
Moving parts



Unknown unknowns
Interconnectivity
Co-dependent variables
Nonlinear

EXAMPLES OF COMPLEXITY

Ant colonies

Financial Markets

Cities

Disinformation

Social networks

Conspiracy theories

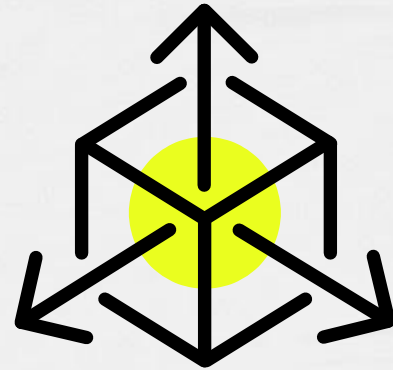
Termite mounds

The human genome

The human immune system

The human brain

The End of Linear



Linear & Incremental | Nonlinear & Exponential

3-phased Life | 100-year life & Modified Aging

Specialization | T-Shape

Isolated | Stacked & Meshing

Planned | Emergence

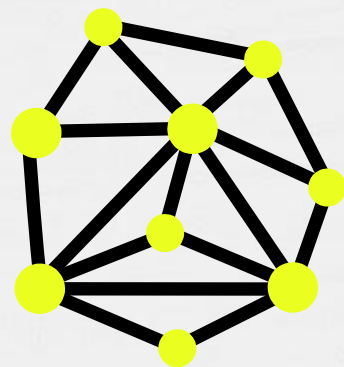
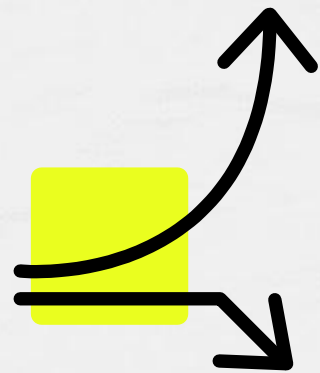
Centralized | Decentralized

Permissioned | Permissionless

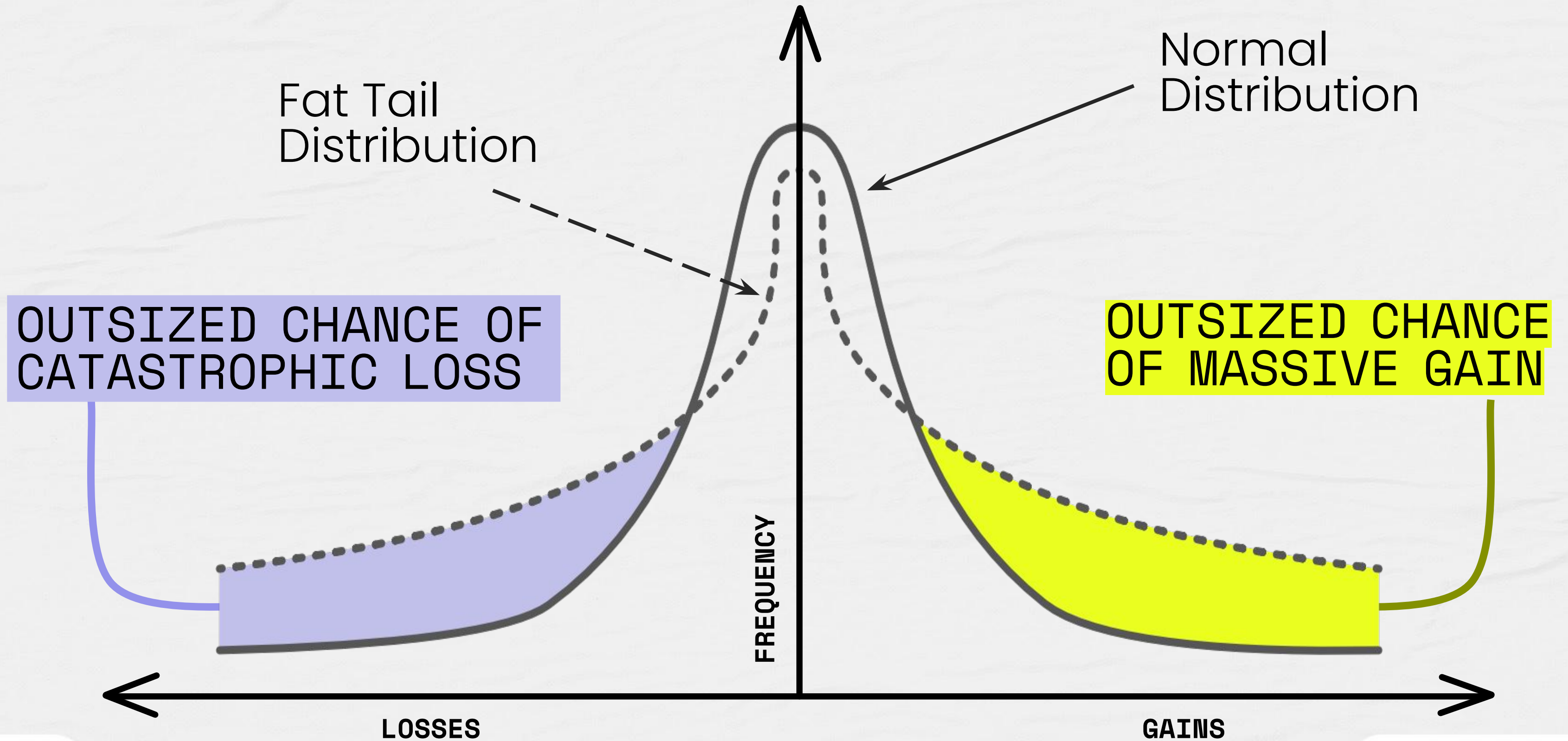
Closed | Open

Professionally Produced | User-Generated

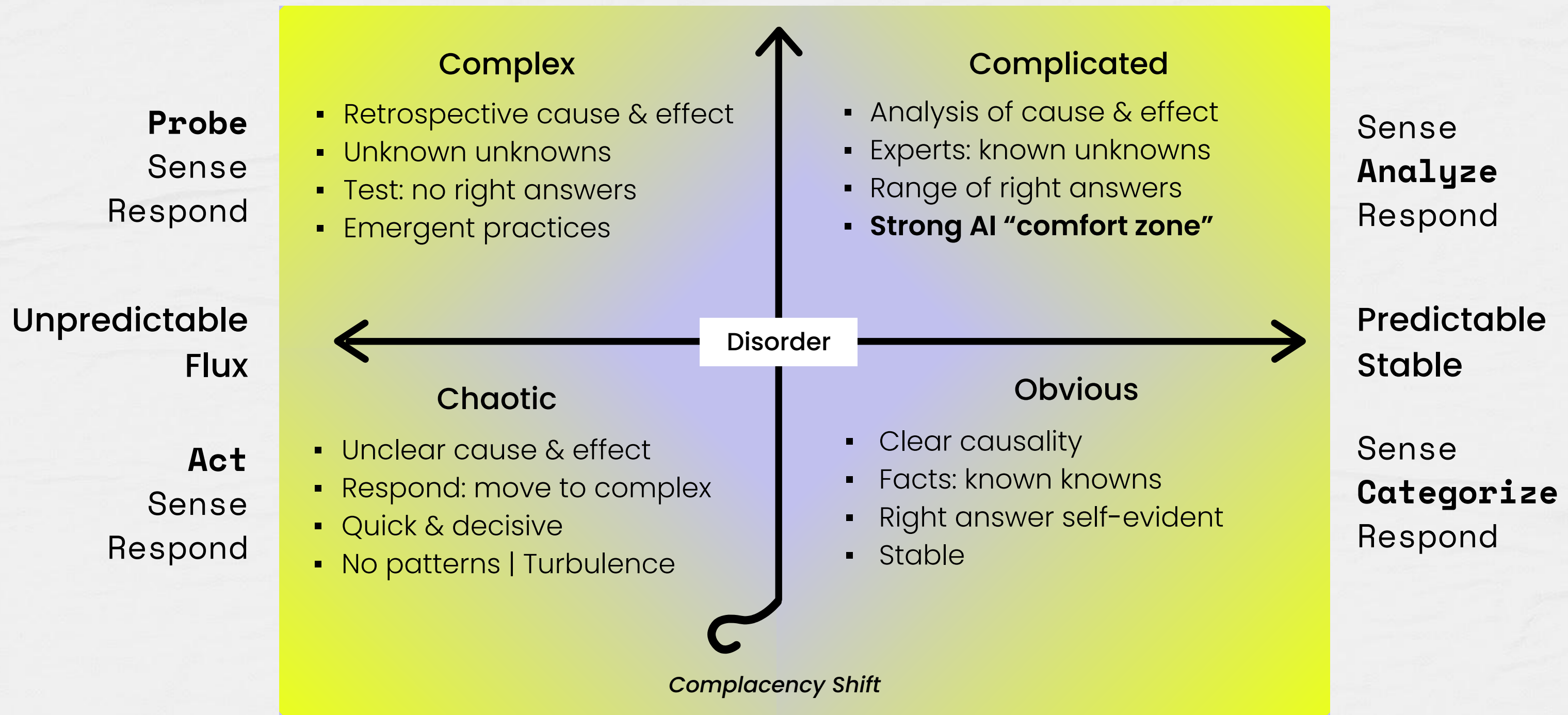
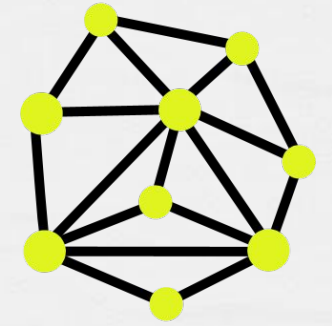
Hierarchy & Control | Self-Organized Networks



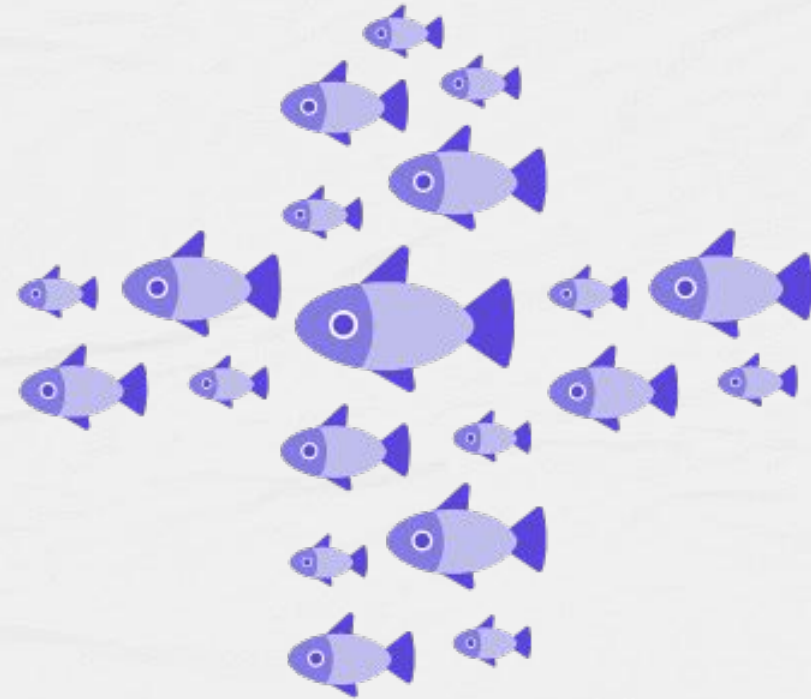
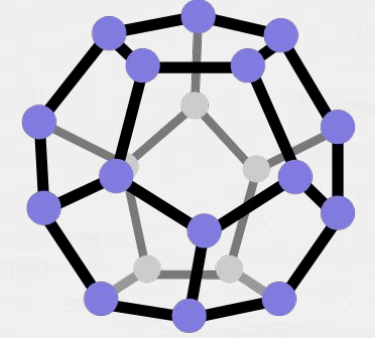
Fat Tail Distribution



It's Beyond Complicated



Complexity & Emergence

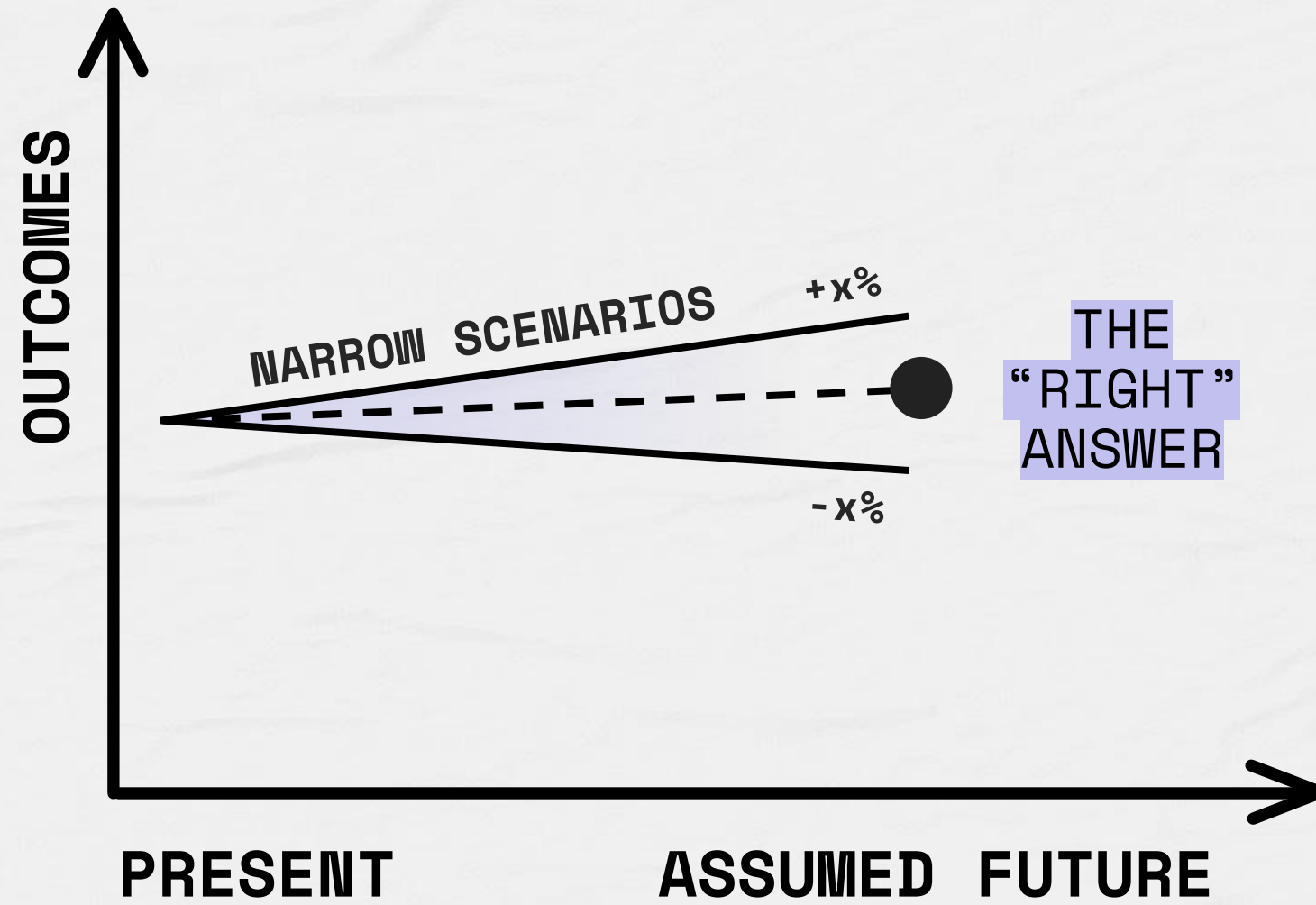


Retrospective cause & effect
Unknown unknowns
Test: No right answers
Emergent practices

APPRECIATE ENTIRE SYSTEM TO ACT EFFECTIVELY

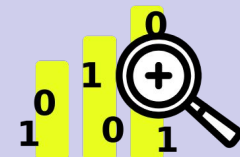
- Constant flux
- The whole is different from than sum of the parts
- Interdependencies with moving parts
- Unpredictable

Prediction

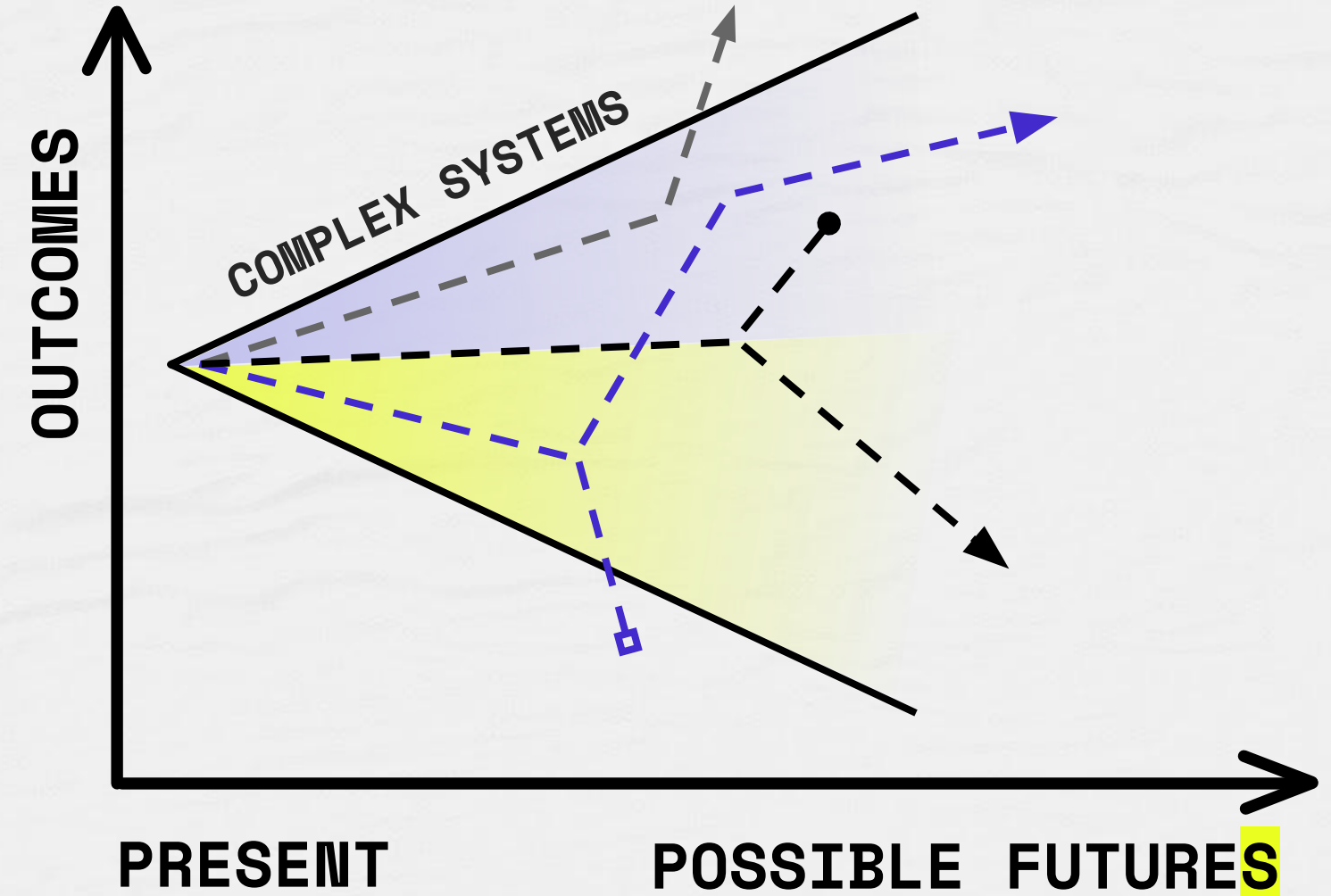


Features Allowing Prediction

- All parameters known
- Specific question
- Prediction is a right answer

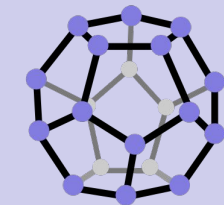


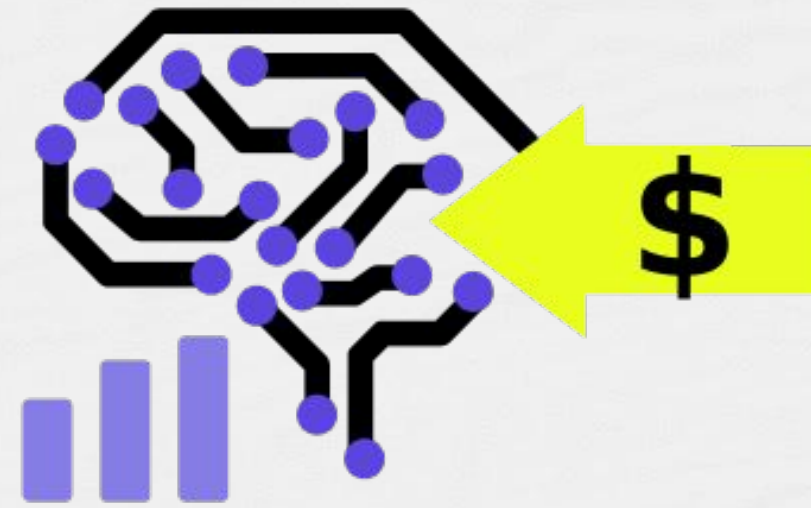
Foresight



Uncertainties Prevent Prediction

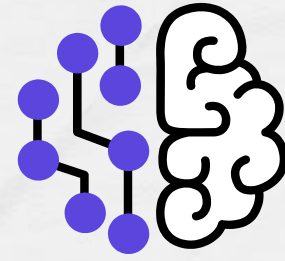
- Multiple unknowns
- Broad possibilities
- No right answer



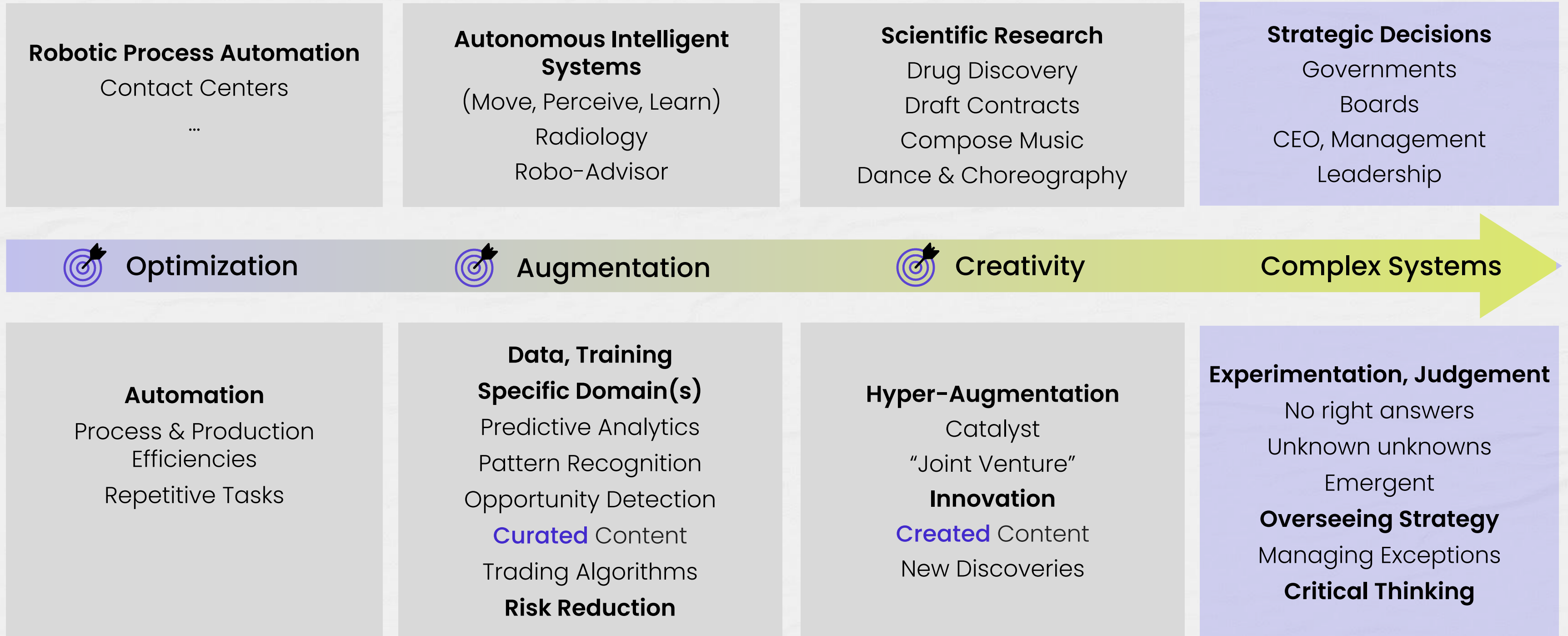



Anything that can be **automated, cognified, decentralized, digitized, disintermediated, or virtualized** will be.

These shifts will **radically transform** every aspect of the economy, including industries, sectors, professions, jobs... **even the meaning of work itself.**

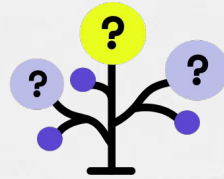


Machines Have an Increasing Role in the Value Chain

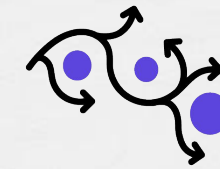


 = STRONG AI ROLE

Factors Impacting Degree of Disruption



PERSPECTIVE



**ANTICIPATORY MINDSET &
DEGREE OF PREPARATION**



**NATURE & TIMING
OF RESPONSE**

In advance of disruptive event:

Anticipate more

Initiate and drive the change yourself

Subsequent to any disruption:

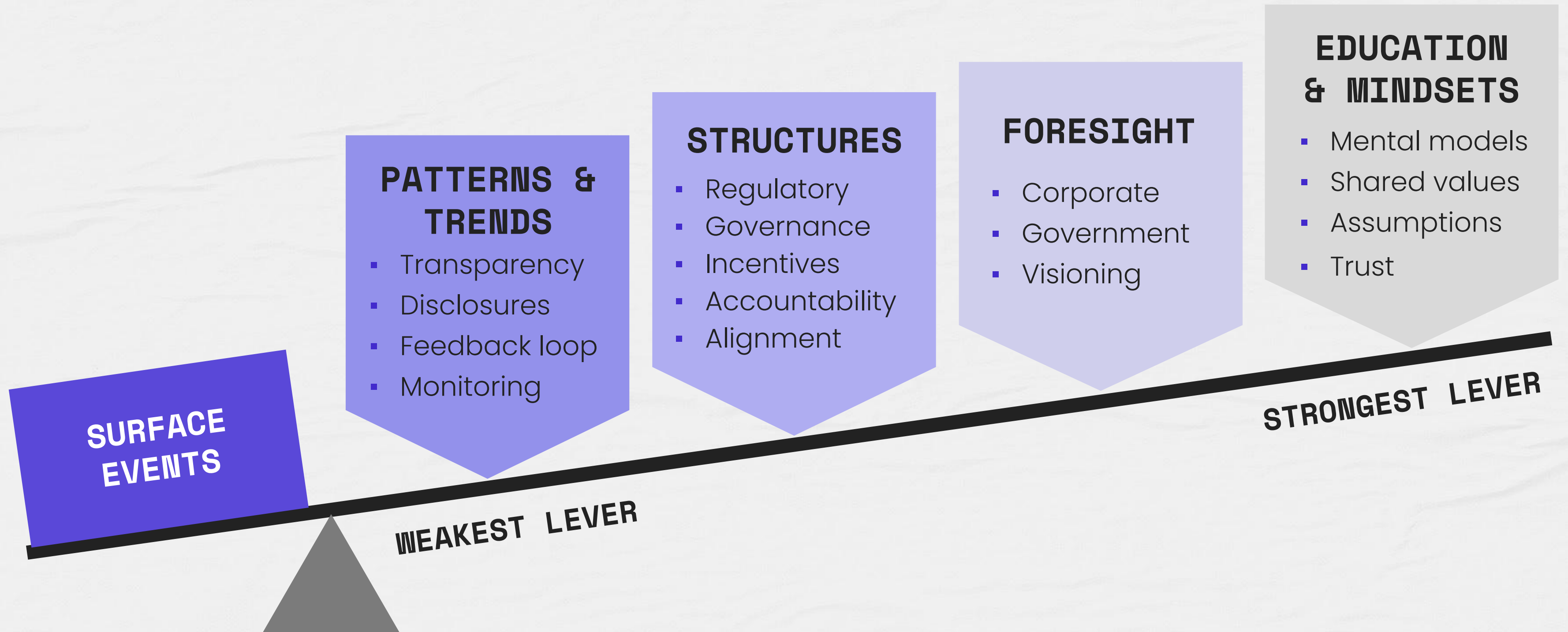
Respond rapidly when external changes occur

Adaptation is key to evolutionary success



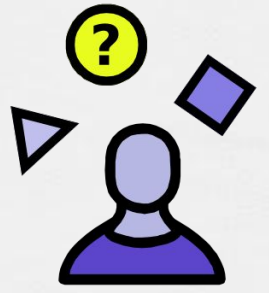
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Leverage Points for Effective Change



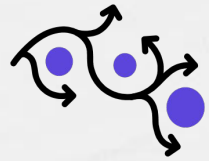
Inspired by Donella Meadows "Leverage Points: Places to Intervene in a System"

Reframing Education



Systems & Futures Thinking

Integrated holistically



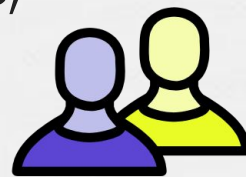
Reapproach new concepts

Feedback loops
Beginner's mind



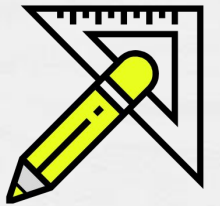
New conceptualizations

Teachers & students are
learners, educators,
co-creators



New measures

Value failure,
imagination,
problem-solving



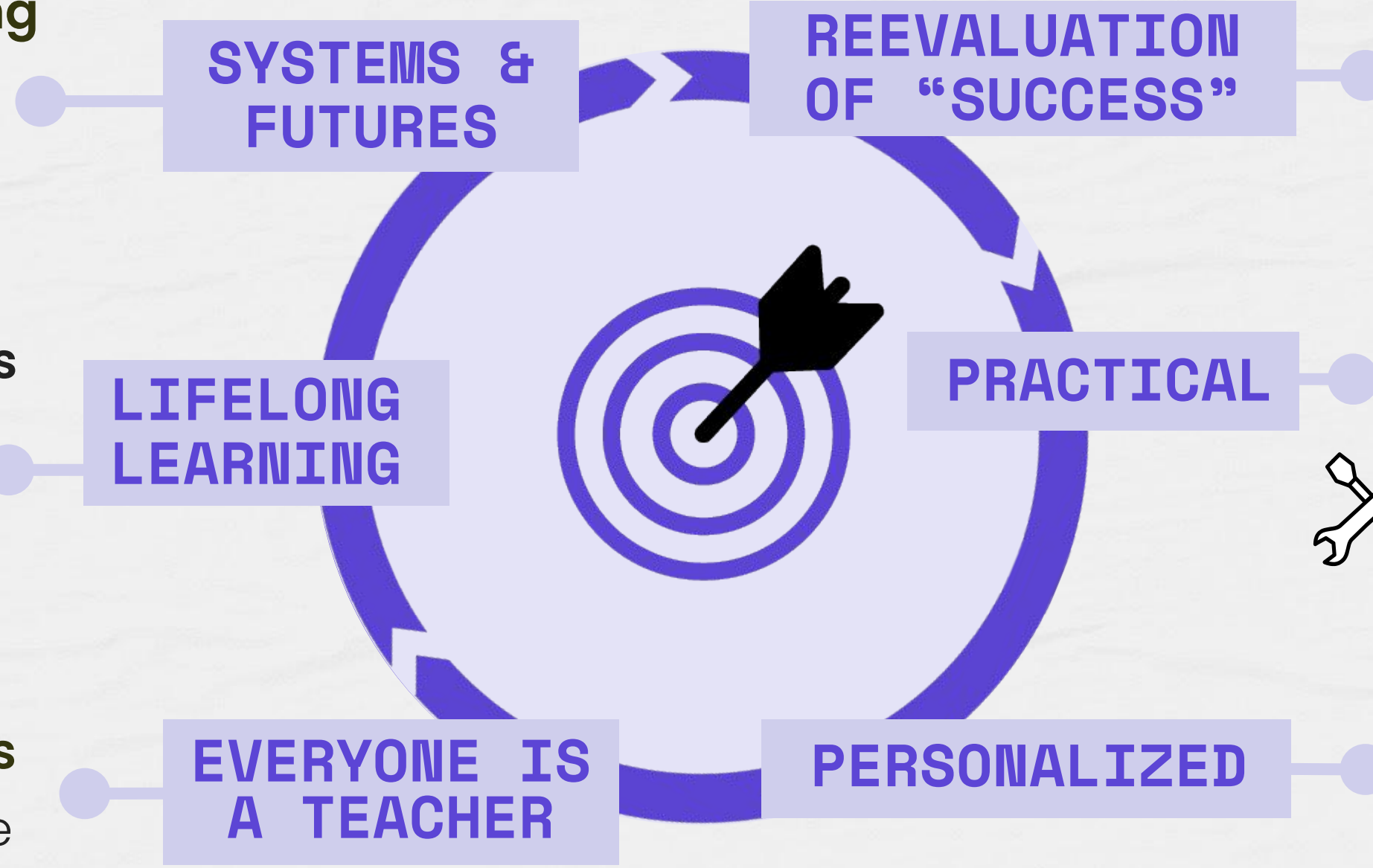
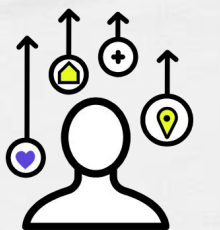
Educate practically

Project-based
Experiences across fields

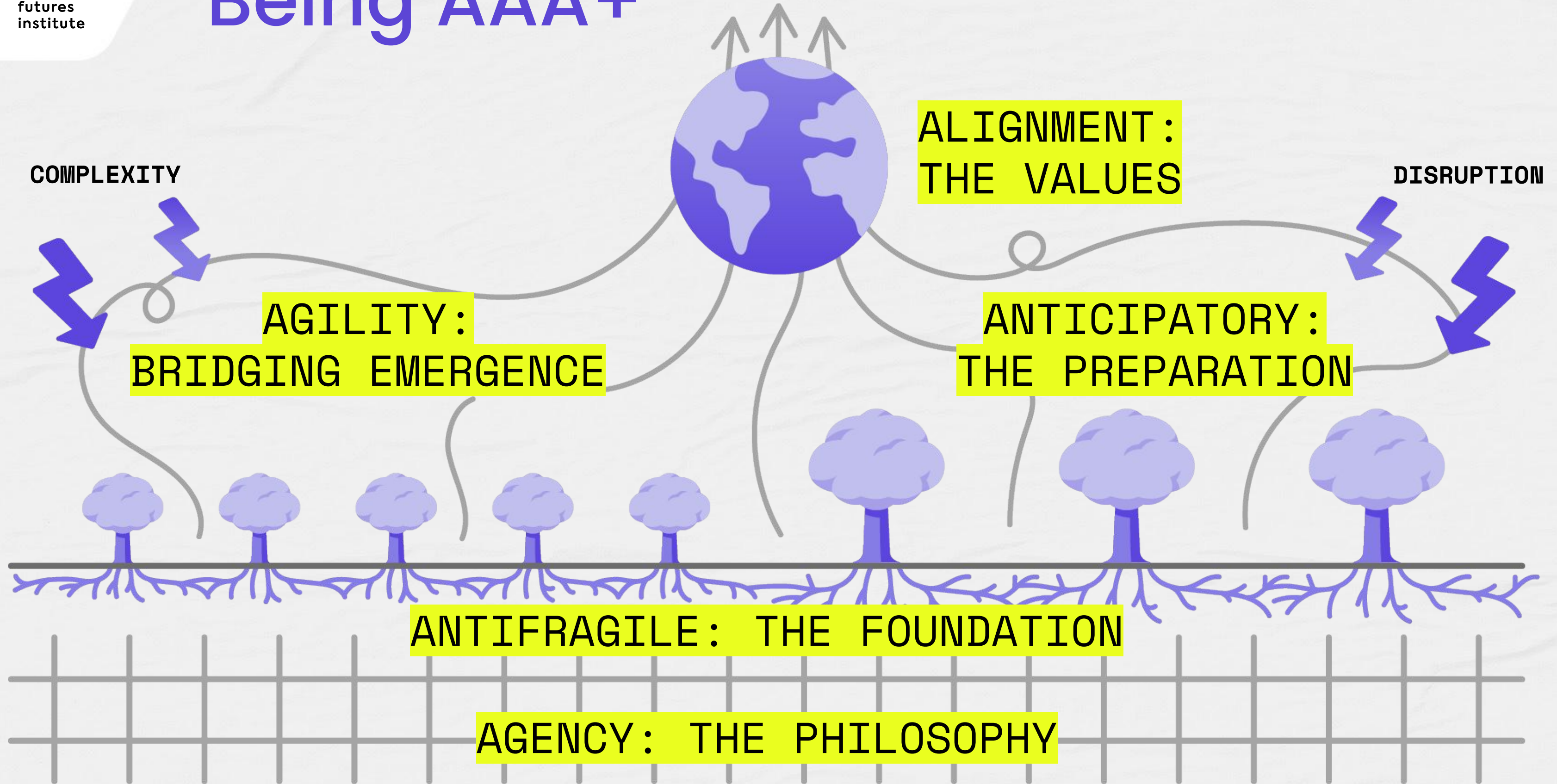


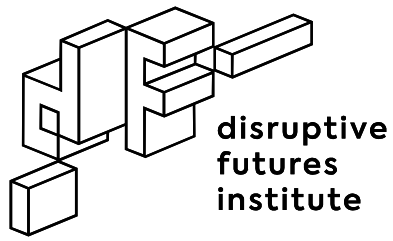
Self-paced learning

Democratized
Accessible



Being AAA+





Roger Spitz

Stay connected with the Disruptive Futures Institute in San Francisco.



EMAIL : ROGER@DISRUPTIVEFUTURES.ORG



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