

#### Instructions

Go to

www.menti.com

Enter the code

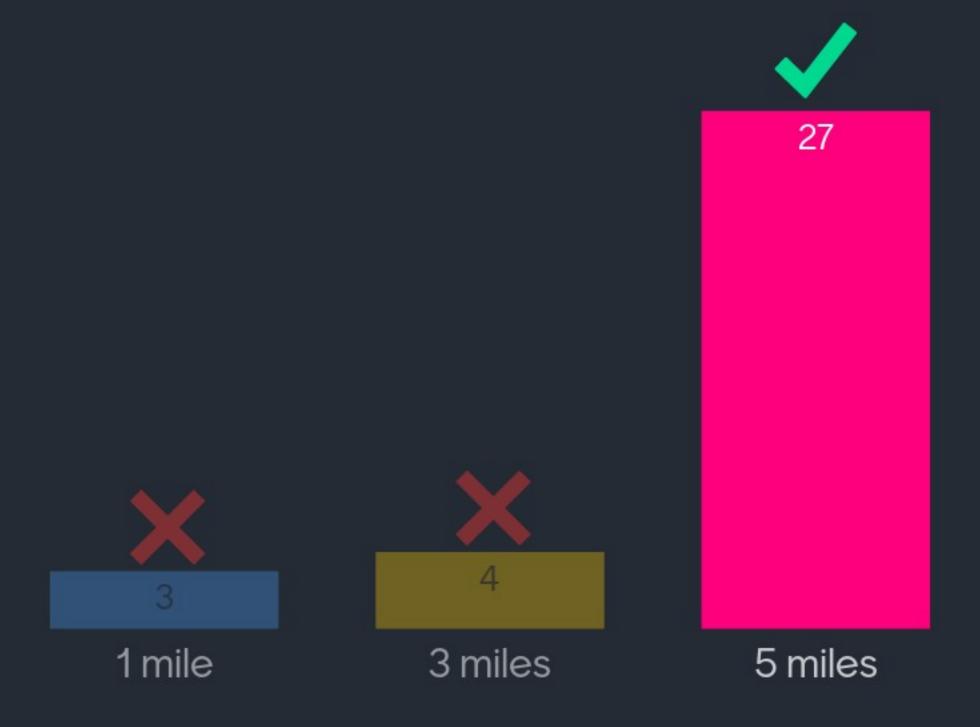
5460 2498



Or use QR code



## How far do you think a bee can fly from its hive to get food?





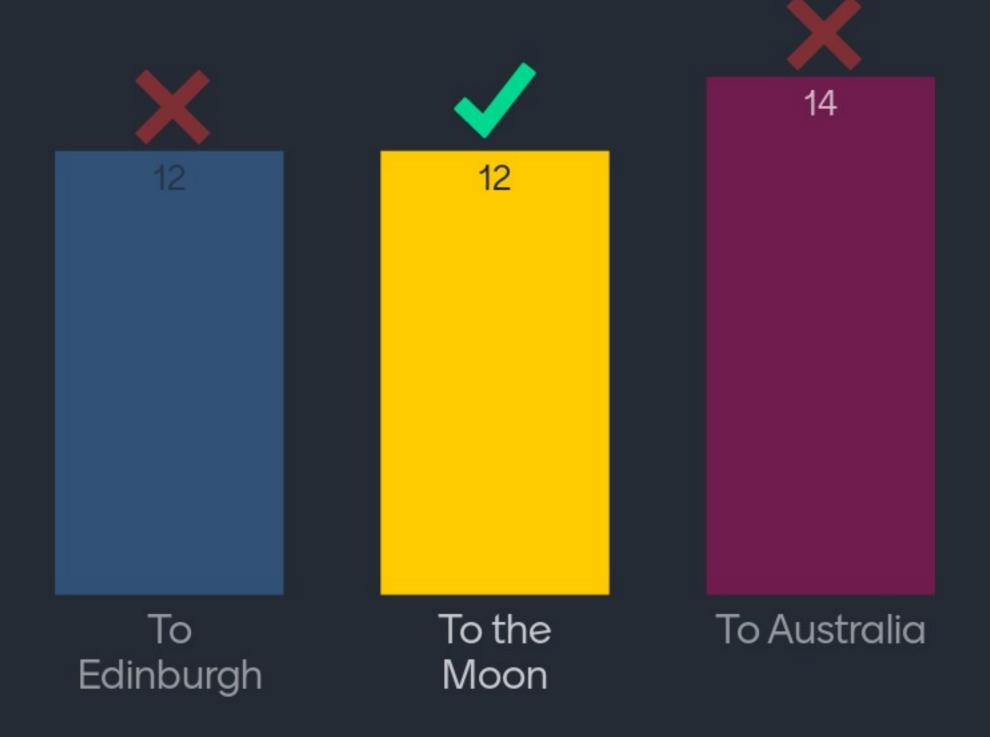


#### Quiz leaderboard





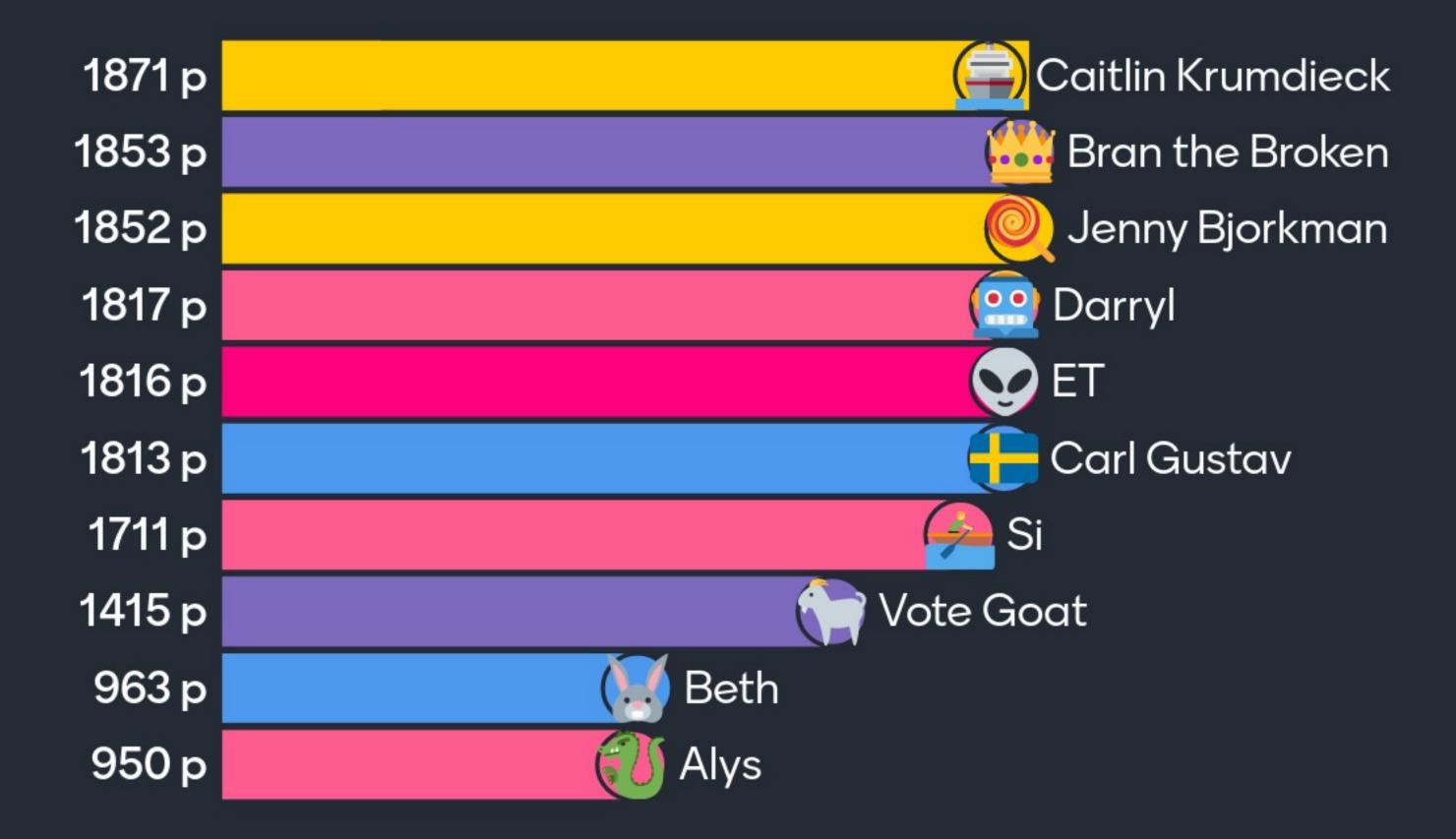
## How far does a colony of bees fly over the course of a day





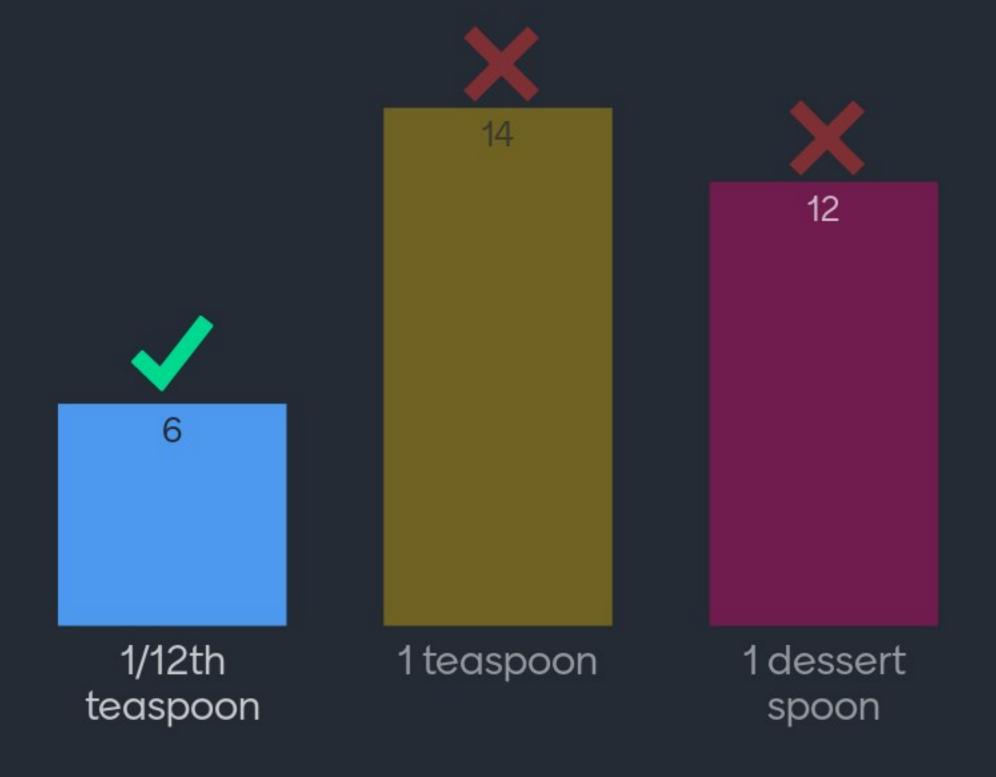


#### Quiz leaderboard





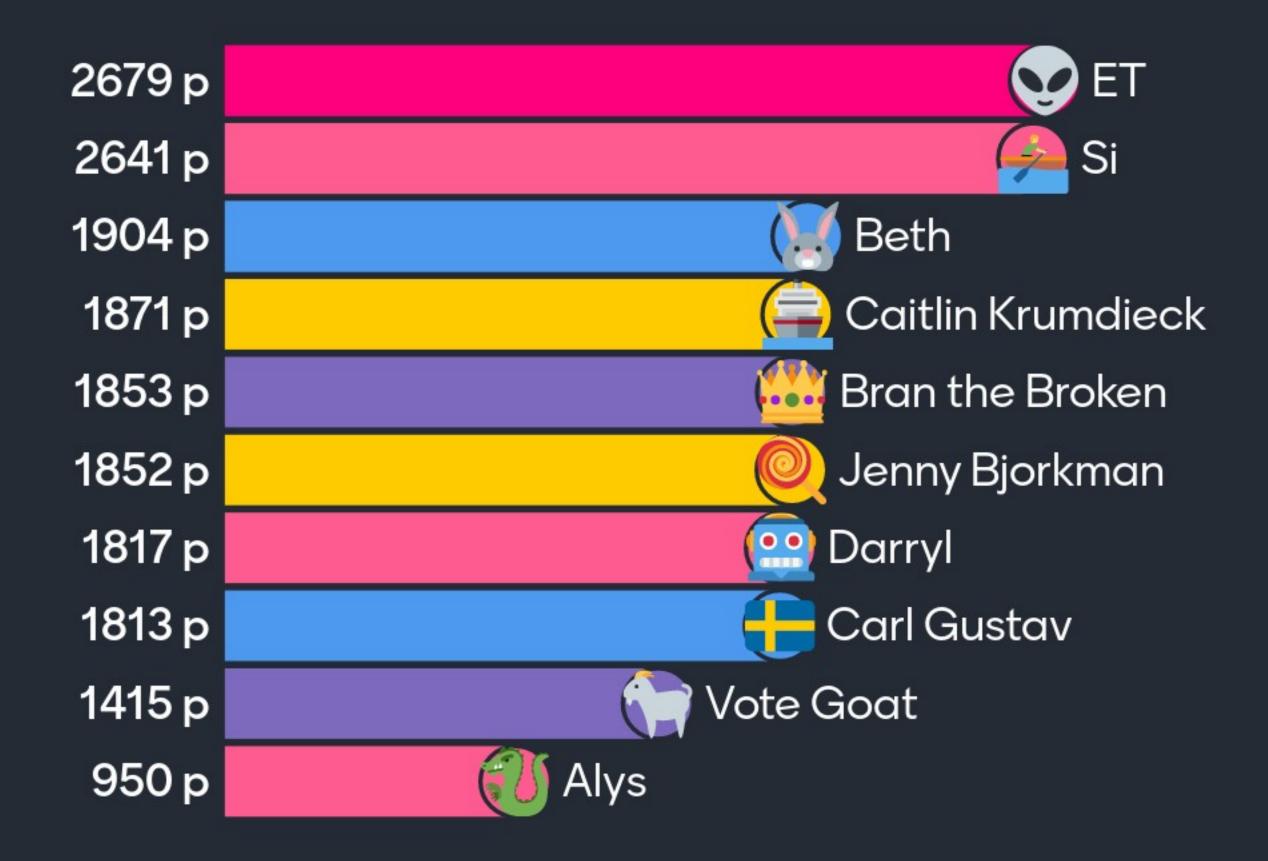
## How much honey does a honey bee make in its lifetime?



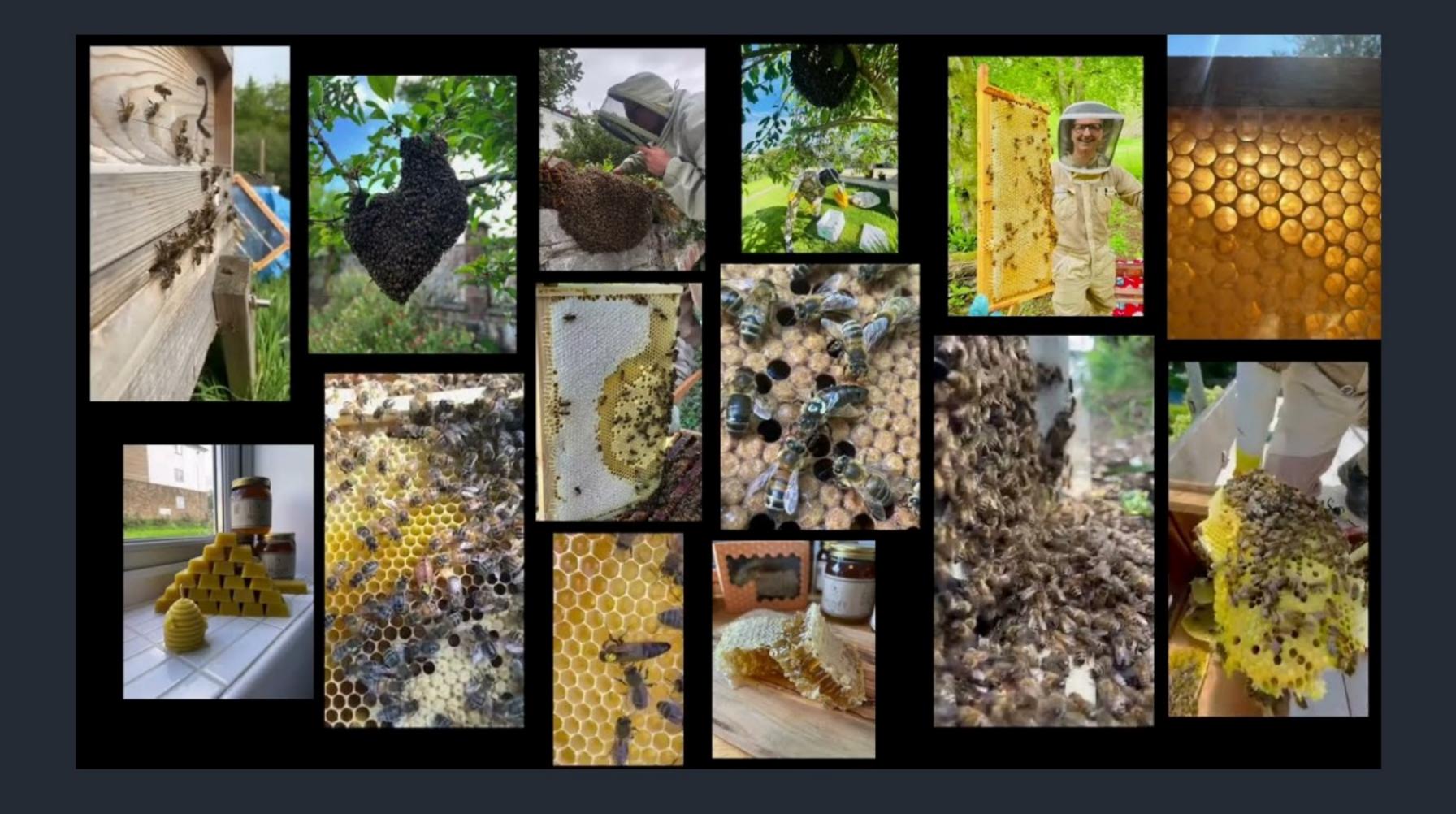




#### Quiz leaderboard



#### cmc





#### A little bit about me...



**Mick Brian** 

Head of Change & Transformation at CMC and an avid Beekeeper







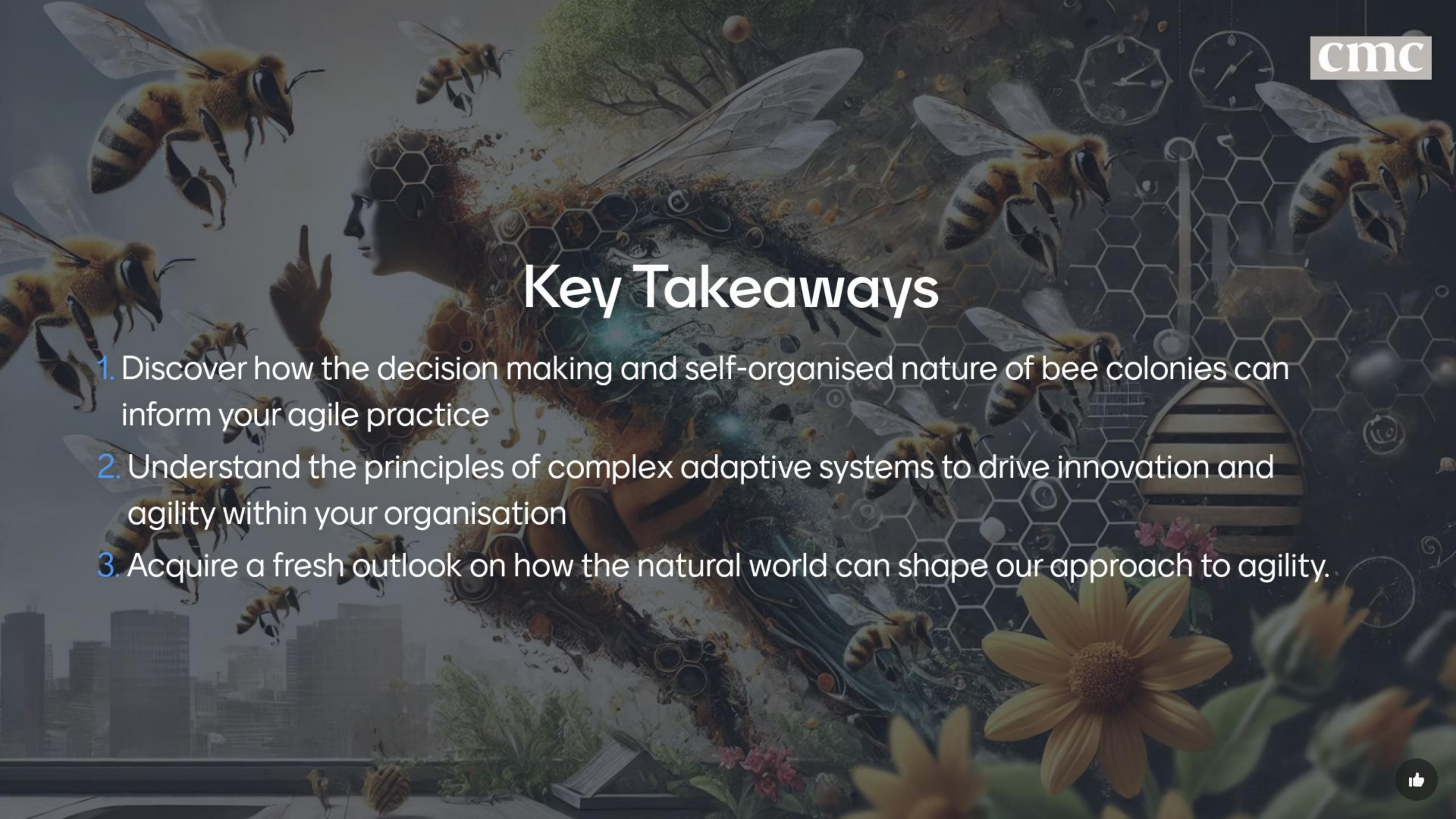


















Dan North Ctastapod Scaling

a

Religious Methodology

Katherine Kirk Ckkirk



# Gödel, Escher, Bach: an Eternal Golden Braid, also known as GEB, is a 1979 book by Douglas Hofstadter.

One point in the book presents an analogy about how individual neurons in the brain coordinate to create a unified sense of a coherent mind and compares that to the social organisation displayed in a colony of ants/bees.

## GÖDEL, CMC ESCHER, BACH:

an Eternal Golden Braid

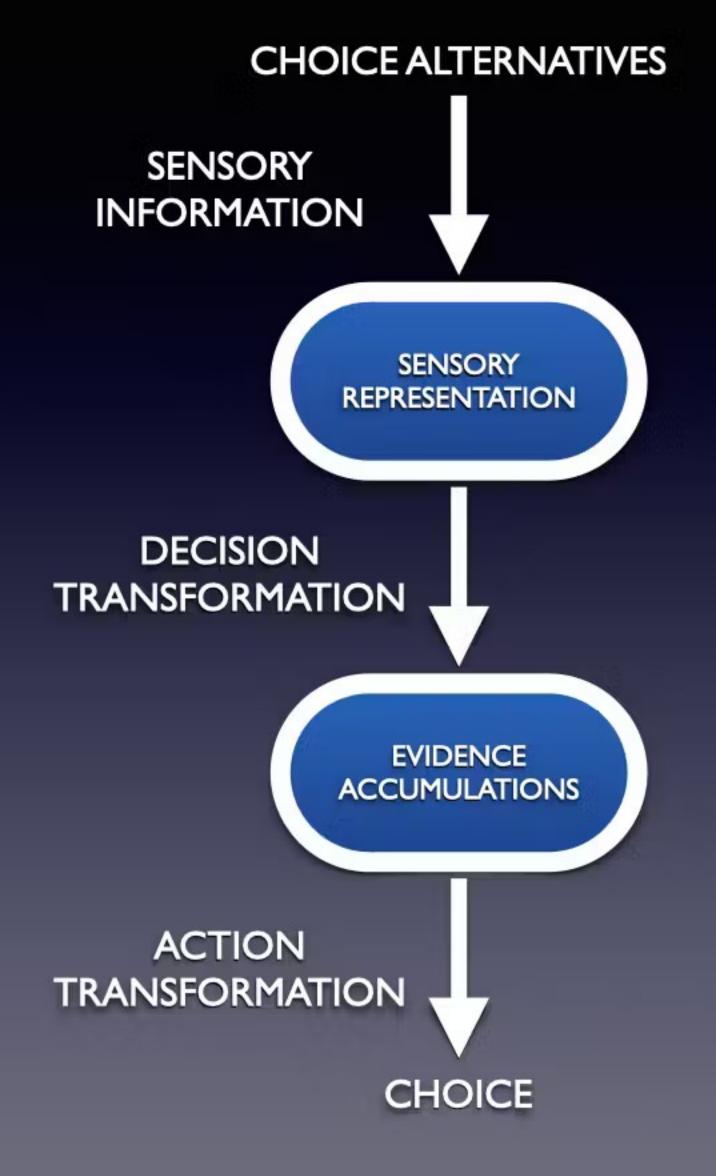


Douglas R. Hofstadter

A metaphorical fugue on minds and machines in the spirit of Lewis Carroll



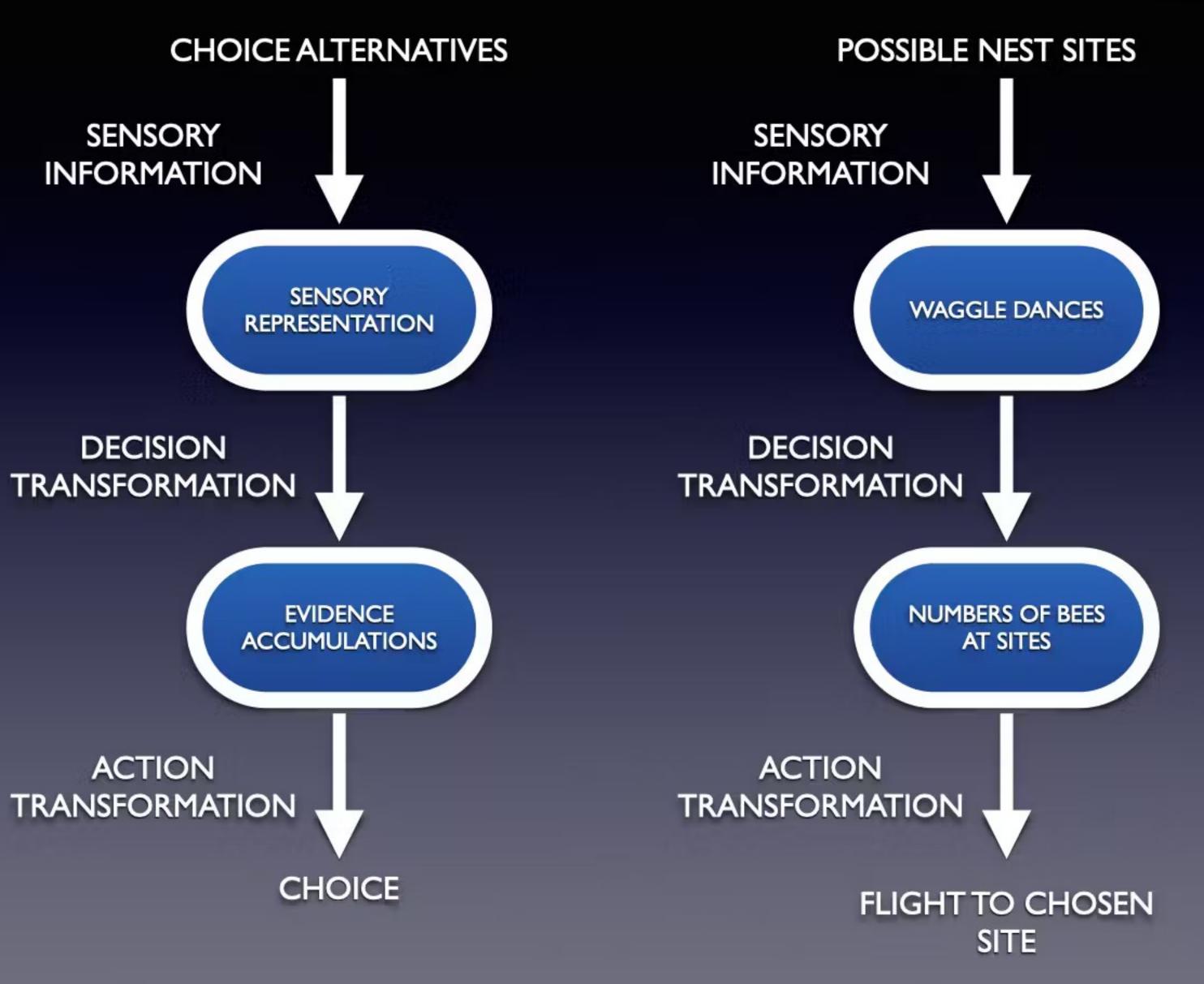




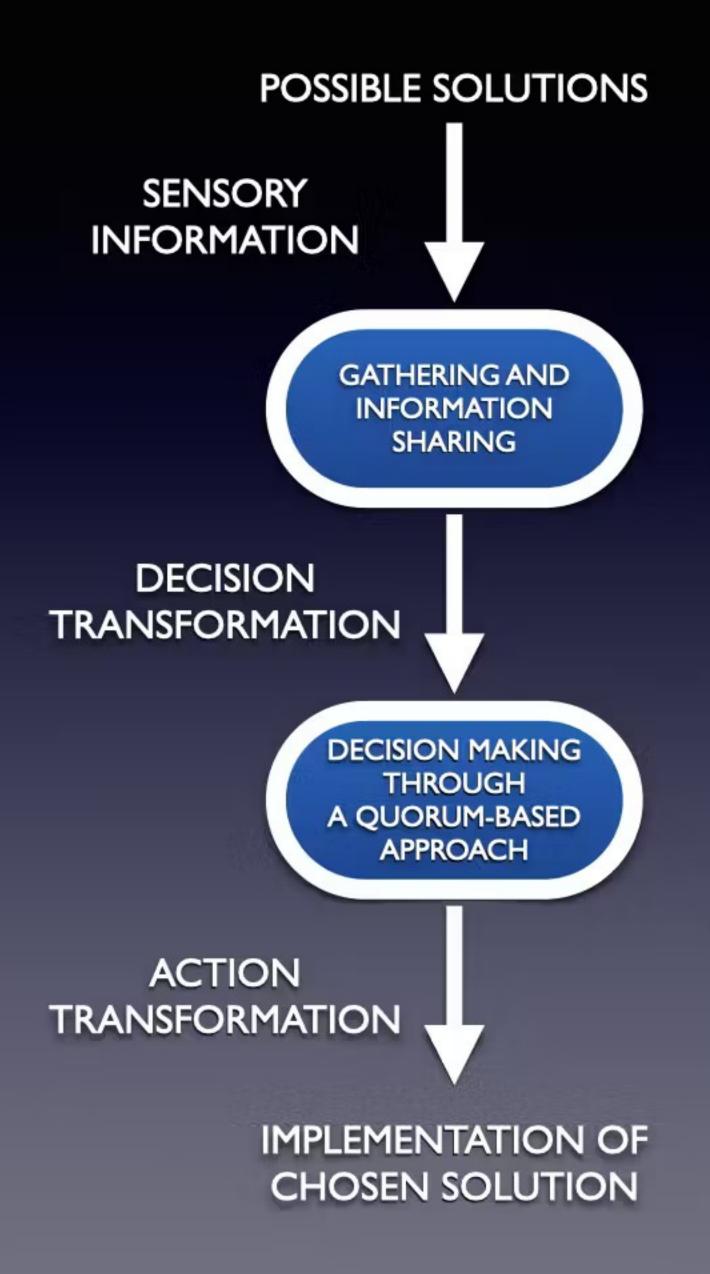


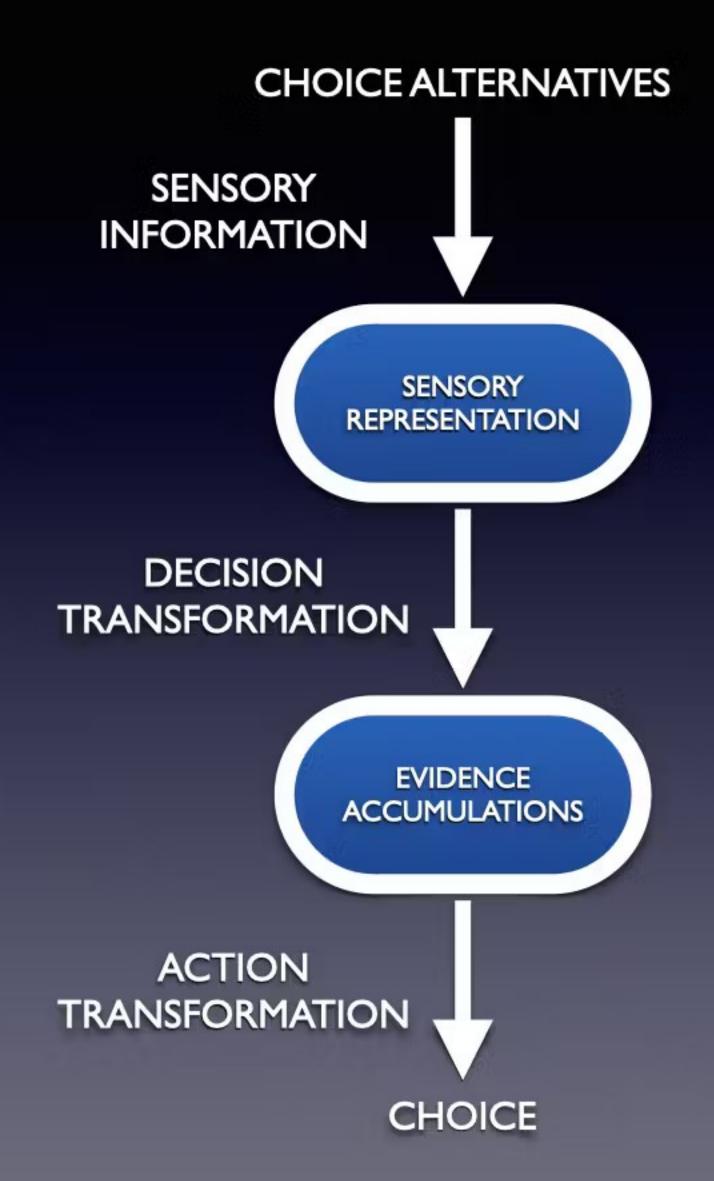


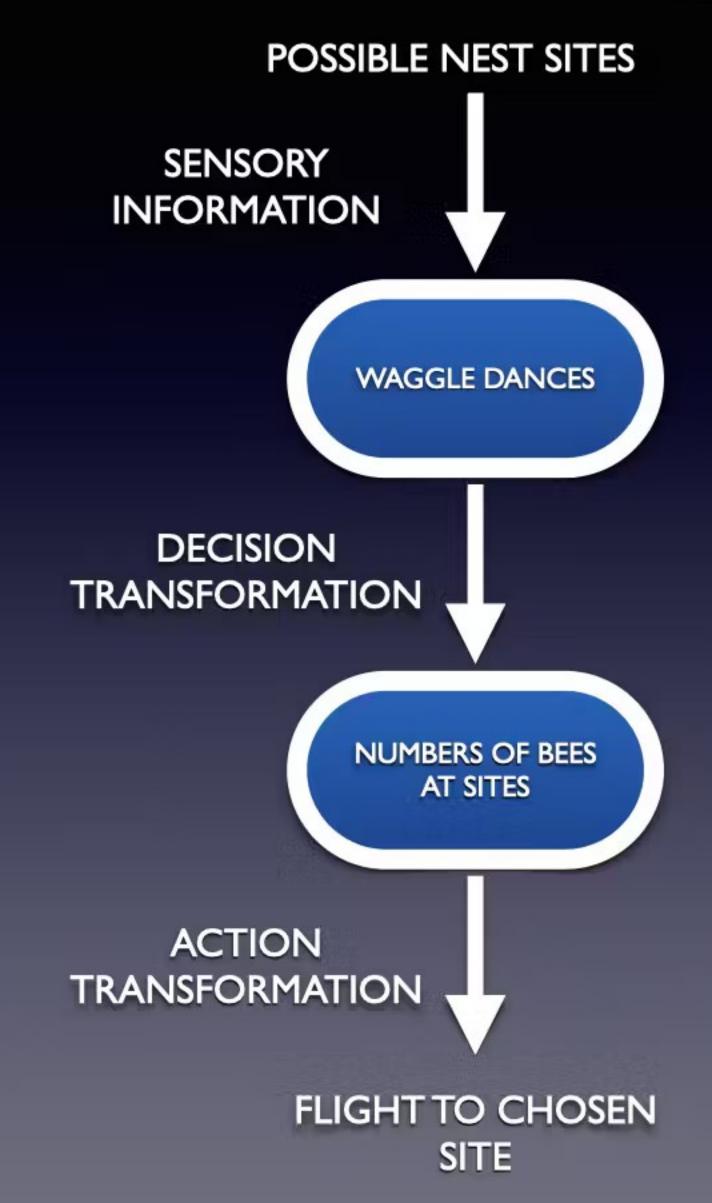














#### Revised Decision Framework for Agile Teams

(Quorum-Based Decision Making)

- 1. Choice Alternatives (Sensory Transformation)
- Stage: Brainstorming and Initial Planning.
- Description: During sprint planning or initial project planning, the team identifies various possible solutions or features to work on.
- Activities: Brainstorming sessions, user story creation, backlog refinement.



#### 2. Sensory Representation (Decision Transformation)

- Stage: Information Gathering.
- Description: The team gathers information on each potential solution or feature. This can include market research, customer feedback, feasibility studies, and technical assessments.
- Activities: Daily stand-ups, sprint reviews, backlog refinement, user feedback sessions.



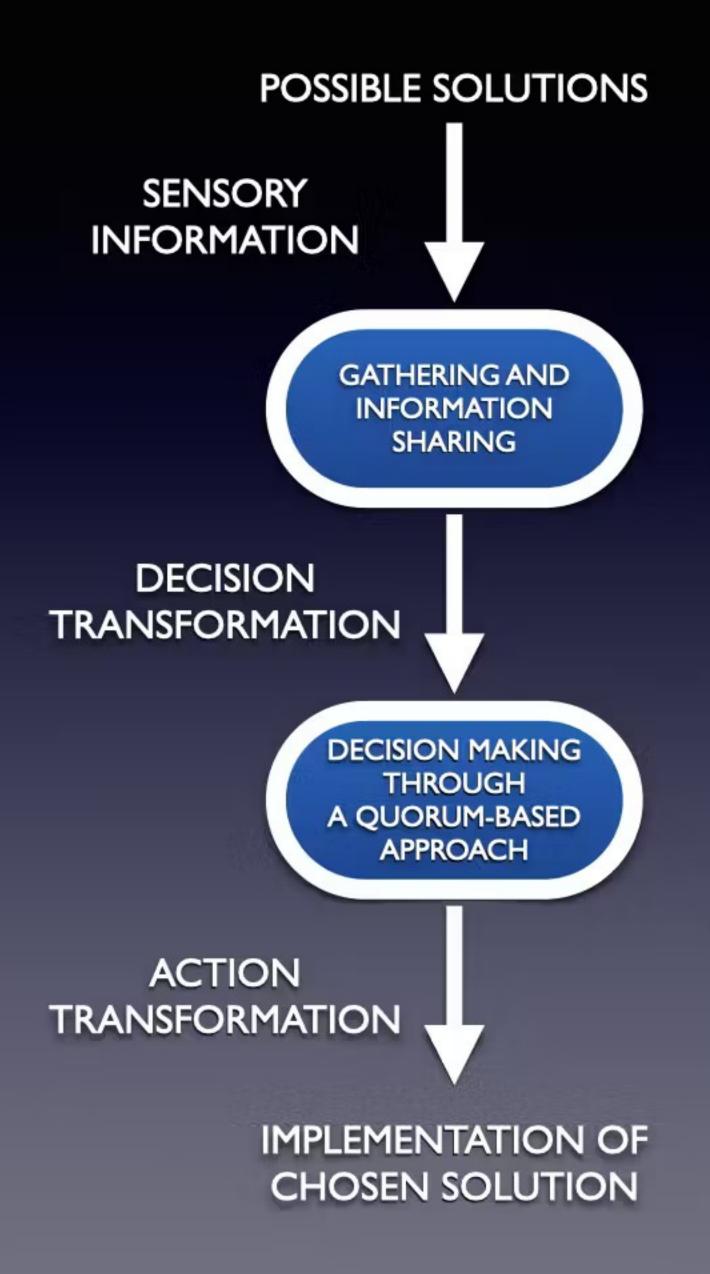
#### 3. Decision Transformation (Evidence Accumulation)

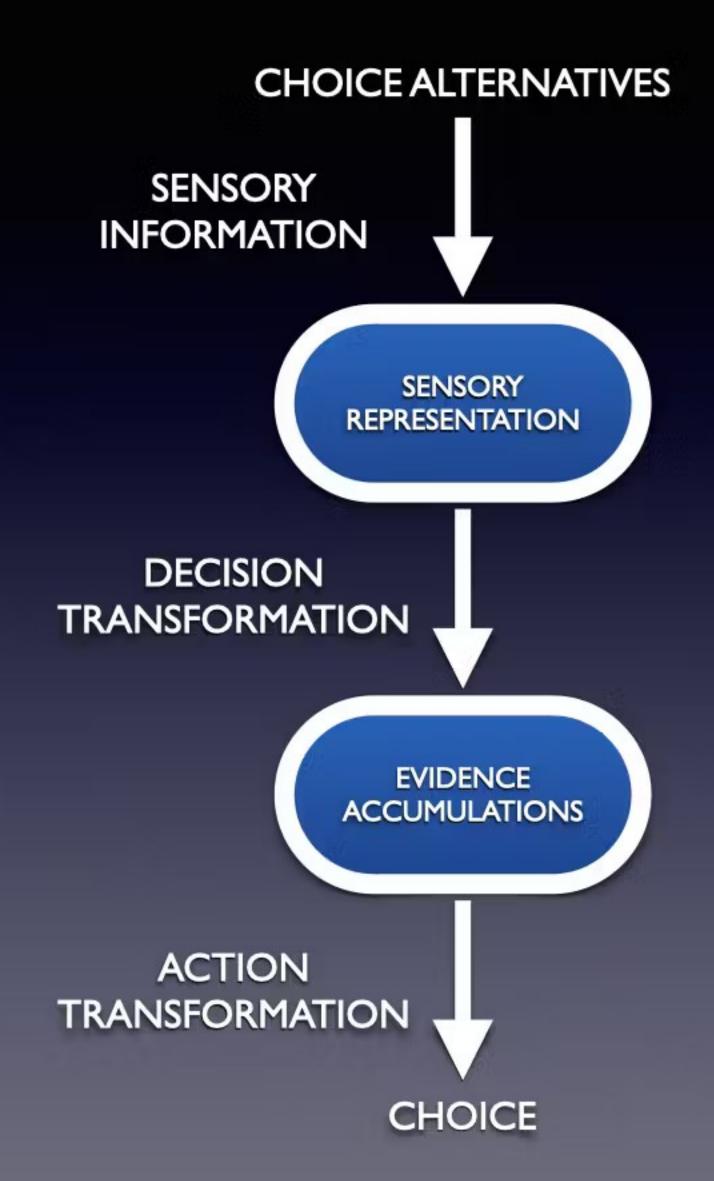
- Stage: Quorum-Based Decision Making.
- Description: The team uses the gathered information to assess and prioritise options. Instead of seeking full consensus, they establish a quorum threshold. Once a sufficient number of team members support a particular option, the decision is made. (e.g., 60% of the team supports it).
- Activities: Prioritisation meetings, voting sessions, estimation exercises, risk assessments.

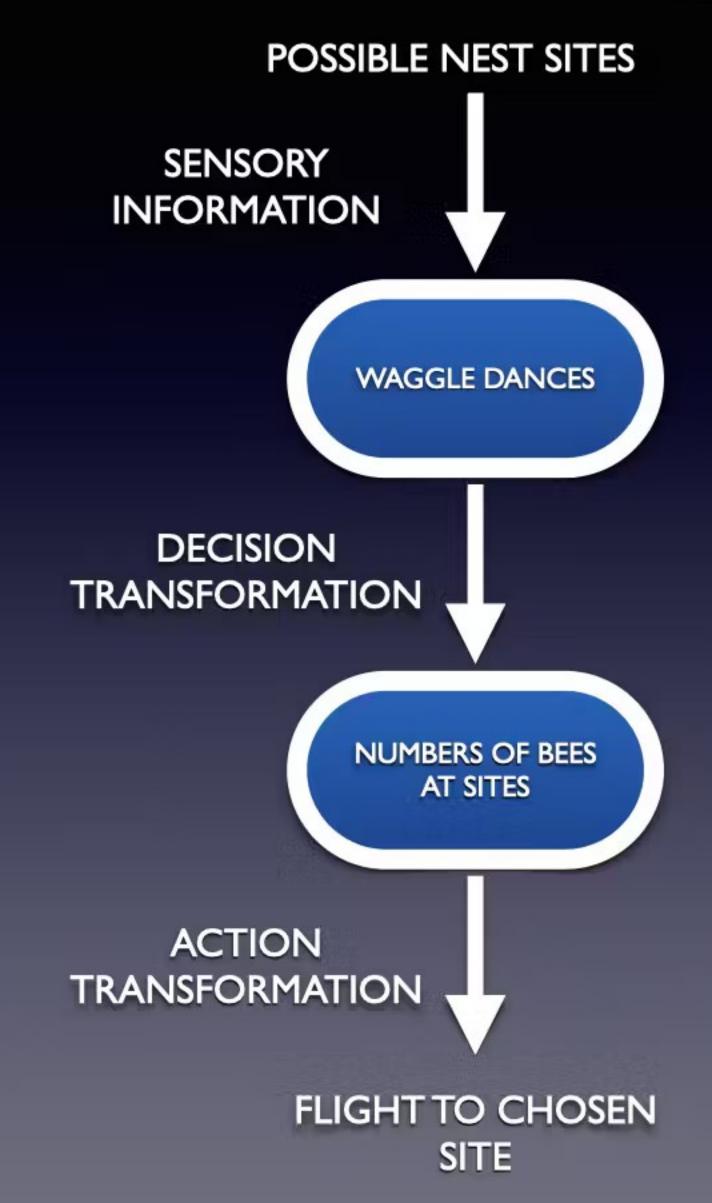


- 4. Action Transformation (Choice and Execution)
  - Stage: Implementation.
  - Description: Once the quorum is reached for a decision, the team moves forward with the implementation. They allocate tasks, set timelines, and begin the work according to Agile practices.
  - Activities: Sprint execution, task assignments, continuous integration and delivery, retrospectives to assess progress and adapt as needed











#### WHY A QUORUM BASED SYSTEM?

- 1. Definition: Minimum number of members needed to make a decision.
- 2. Decision Making: Valid if quorum is met and majority agree.
- Efficiency: Allows decisions without full participation, quicker.



#### CONSENSUS

- 1. Definition: Seeks agreement from all participants.
- 2. Decision Making: Made when all members support the decision.
- 3. Unity: Fosters inclusivity and strong commitment, slower.



#### Key Differences:

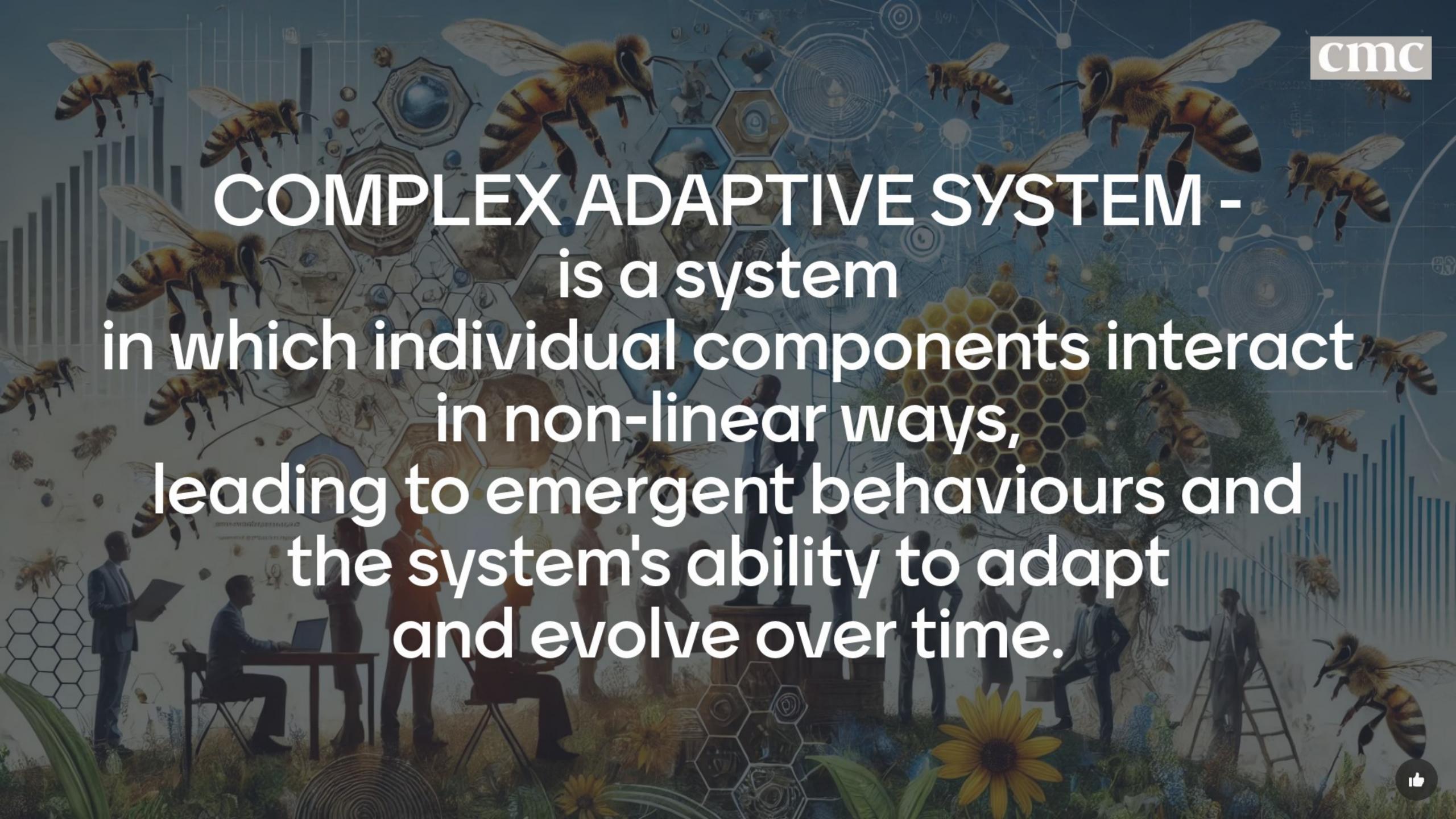
- Level of Agreement: Quorum = Majority of quorum, Consensus = General agreement.
- → Inclusivity: Quorum = Not all input needed, Consensus = All input included.
- Efficiency vs. Unity: Quorum = More efficient, Consensus = More unity.

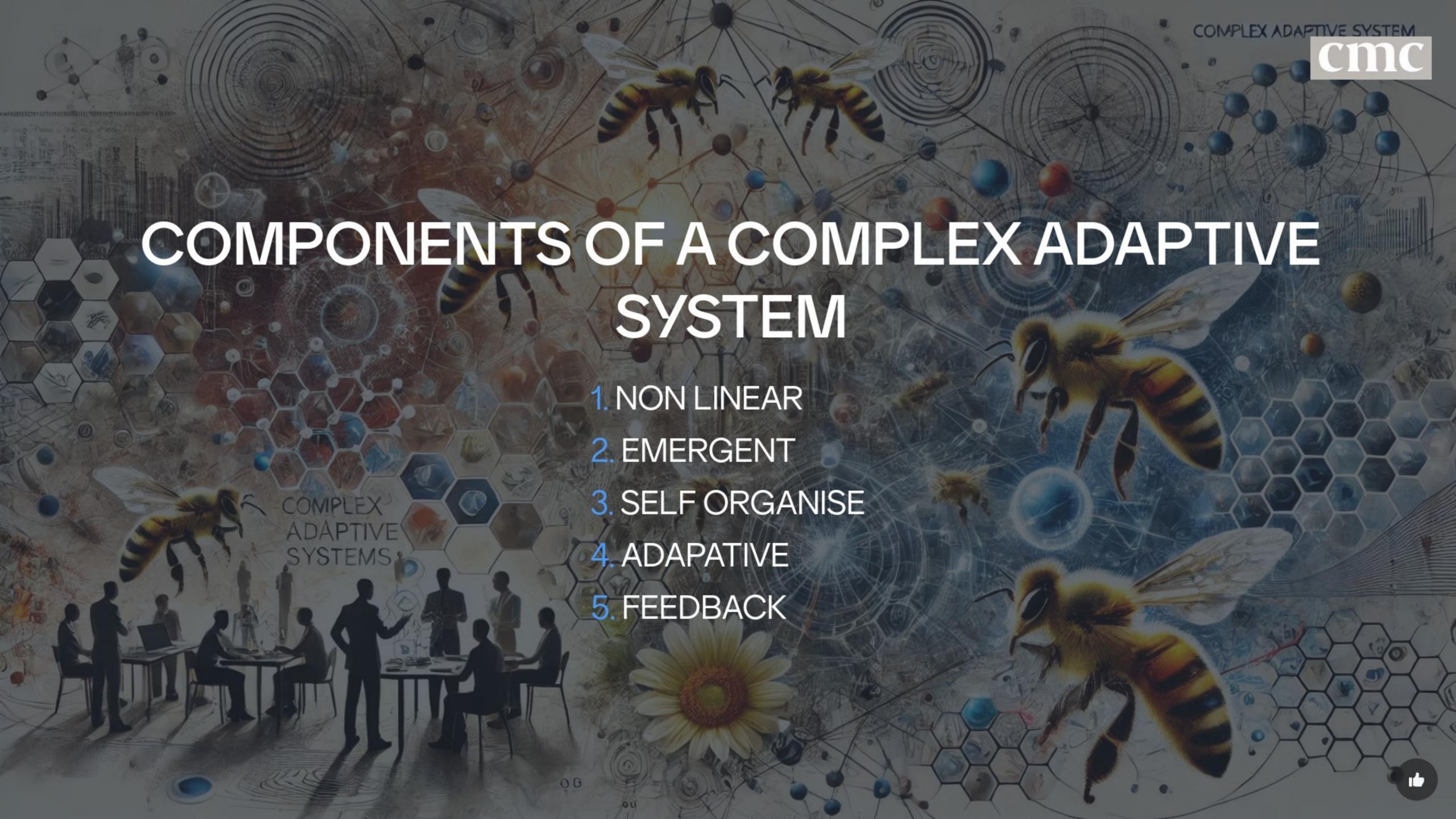


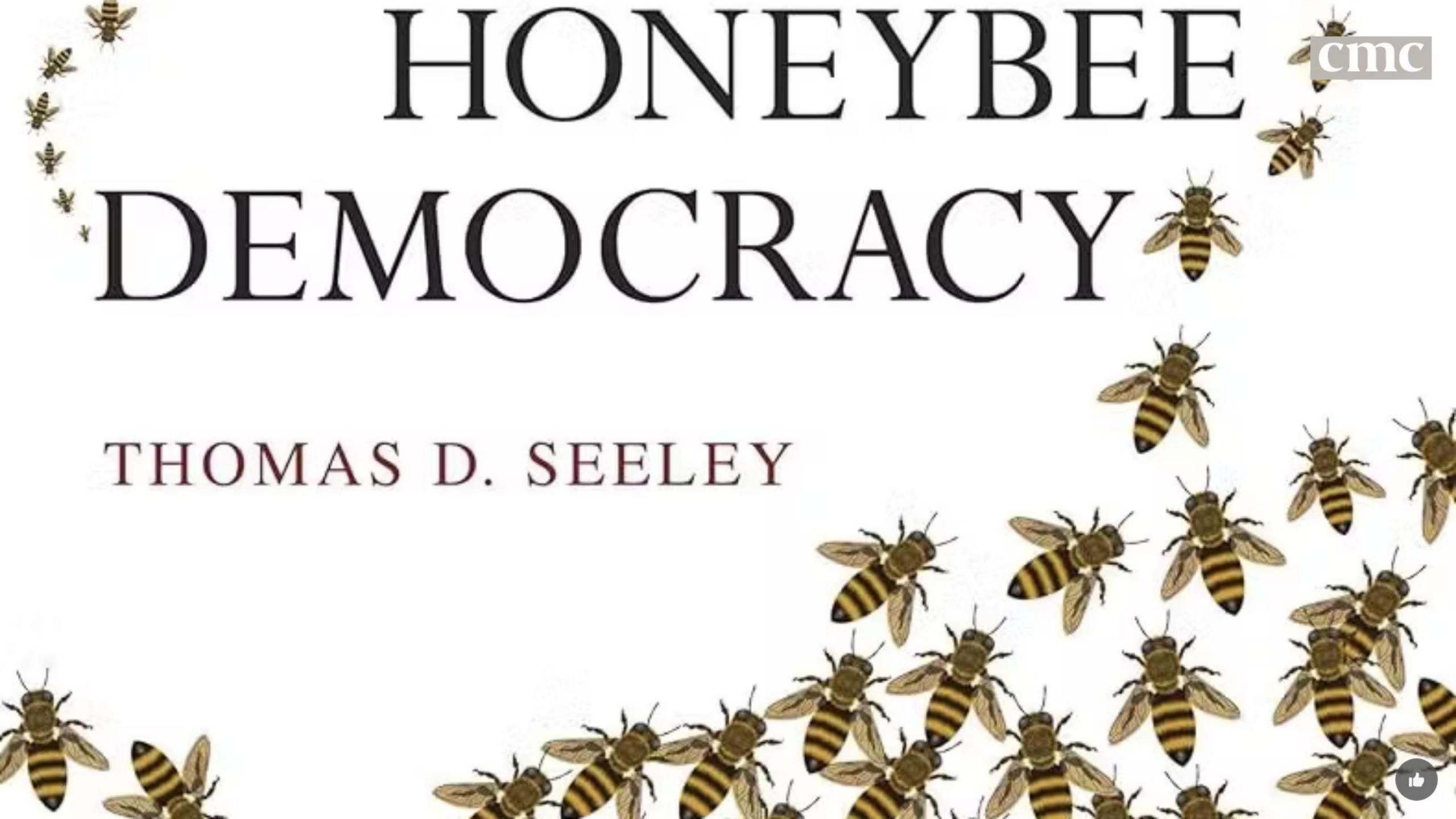




Dave Snowden - Cynefin Framework









### COMPOSETHE DECISIONIMAKING GROUP OF INDIVIDUALS WITHSHAREDINTEREST AND MUTUAL RESPECT



## MINISETHE EADERS INFLUENCEONTHE GROUPSTHINKING



## SEEKDIVERSE SOLUTIONSTO THE PROBLEM



## AGGREGATETHE GROUPS KNOWLEDGE THROUGHDEBATE



# USE QUORUM FOR COHESION. ACCURACYAND

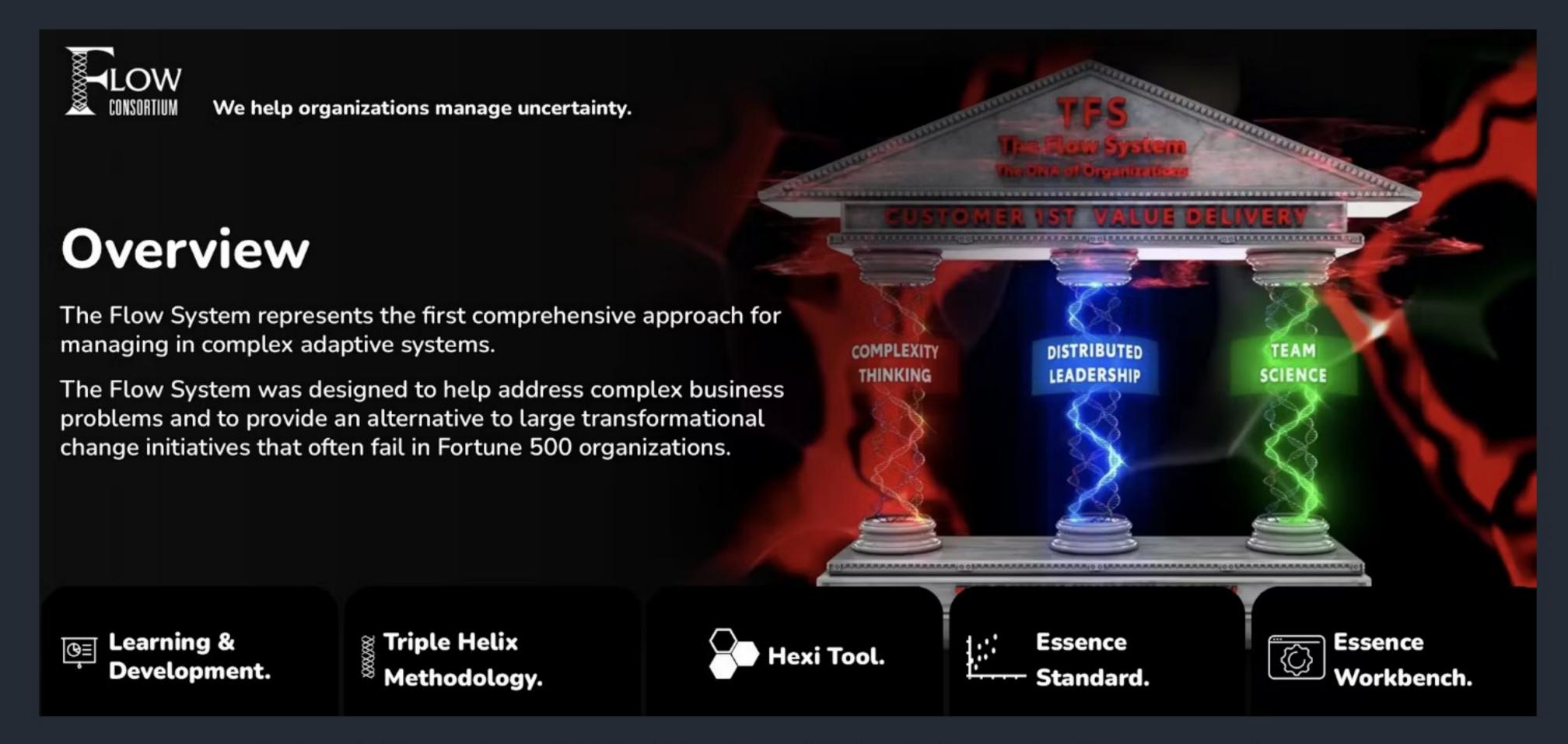


# 80% EXPLOITATION 20% EXPLORATION









Nigel Thurlow, John Turner, Brian Rivera - Flow system





### **Complexity Thinking**

Understanding uncertainty and complex adaptive systems.

- Complex Adaptive Systems Sensemaking
- The Cynefin Framework
- Weak Signal Detection
- Network Analysis
- Storytelling & Narratives
- Empirical Process Control
- Constraint Management
- Prototypes
- OODA Loop
- Scrum The Toyota Way



## **Distributed Leadership**

The behavior patterns of those who lead people and teams.

- Psychological Safety
- Active Listening
- Leader's Intent
- Shared Mental Models
- Wardley Maps
- Desicion Making
- Bias Towards Action
- Collaboration
- Coaching/Mentoring
- Complex Facilitation
- Organizational Design







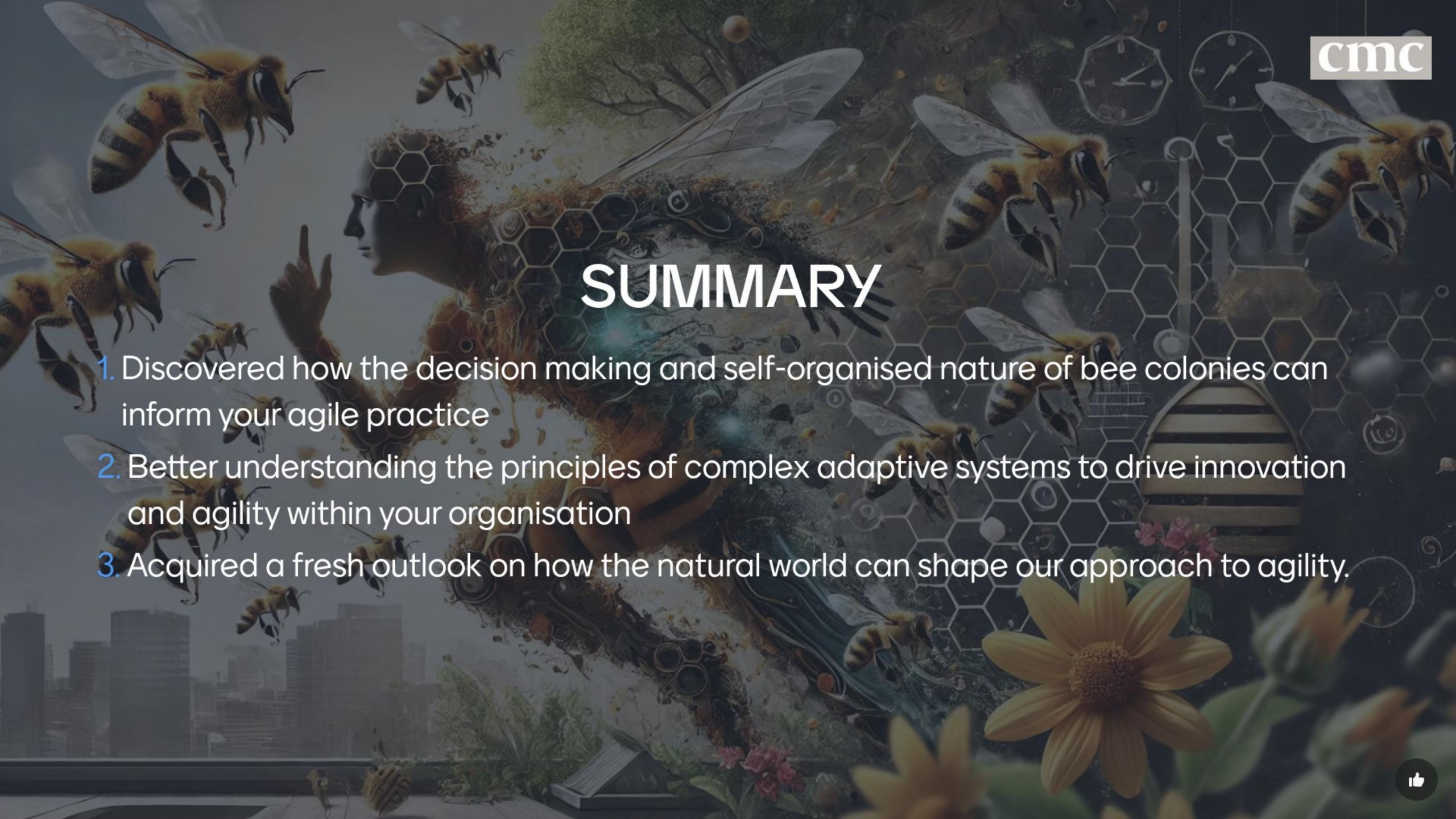
## **Team Science**

The science of teams, their interdependencies and interactions.

- Teamwork Training
- Human Centered Design
- Team Design
- Goal Identification
- Situational Awareness
- Developing Cognitions
- Influencing Conditions
- Team Learning
- Team Effectiveness
- Red Teaming
- Multiteam Systems











## In new findings in the UK, once again not one was compliant



Samples (13)>		Unit	Values Typical for Honey	The second secon	(2) ASOA Set pure Honey	(2) Rowse Honey	(4) ALDI Grandessa Honey Squeezy Clear	(3) Morrisons Pure clear	(6) Texco Set Honey	(7) Tesco clear homey	(R) LIOL Highgate Fayre clear Honey	(9) Essential Waltrose pure clear Honey	(10) Sainsburys clear honey	(11) Poundland Clear Blossom Honey	(12) M&S Food Pure Honey	(13) MAS Food Pure set Honey
Bread Spectrum	Analysis															
Biological Properties:	HMF	me/ve	mex 40	37,9	21,4	25,6	32,0	26,6	15,1	37,2	26,6	20,8	25,6	13,8	16,0	15,9
	Diastase	DE	min S	3	3.6	3.2	1.4	. 5	6	6	3.1	30	4.4	2,5	5.7	5.3
Composition of Honey and Physical Characteristics	Moisture	×	max 20.0%	18.4	18,2	18.7	38.7	38.5	18	18.6	18.5	18.5	18-6	18,7	17.7	17.8
See Activity Markers:	Proline	me/ke	min 180	n.d.	221	n.d.	434	177	346	6.6	n.d.	195	190	n.d.	416	nd.
Generic Fraud Markers:	AOAC 998.12 C4 Sugars (SCIRA	Pos/Neg	negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negrtive	Negative	Negative	Negative	Negative
	& ISCIRA)	% C4 sugar	47%	0	- 0	0		0	- 0	0	0	0	0	0	0	0
	Psicose	*	0%	0.35%	0.14%	0.05%	0,21%	0.00%	0.29%	0,06%	0,30%	0.00%	0,05%	0,30%	0,44%	0,44%
	HRMS Servening	Positive/Negative	negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Negative	Positive	Positive	Positive	Positive
Nuclear Magnetic Resonance	foreign sugars NMR	Positive/Negative	negative	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Positive	Fositive
	multivariate verification	Out of model/In Model	in model	out of model	Out of model	in model	Out of model	Out of model	out of model	Out of model	Out of model	in model	In model	Out of model	Out of model	In model
	univariate verification	Out of model/In Model	in model	in model	In model	in model	In model	In model	in model	In model	in model	in model	In model	In Model	In model	In model
Targeted Fraud Markers:	£150	Positive/Negative	n.d.	Negative	Positive	Negative	Negative	Positive	Positive	Positive	Negative	Negative	Positive	Negative	Negative	Negative
	Honey Foreign e-amylase	Positive/Negative	n.d.	Negative	Positive	Positive	Negative:	Positive	Positive	Positive	Positive	positive	Posttive	Negative	Positive	Positive
	B-fructefuranosidase	Positive/Negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative :
	gamma-Amylase	Positive/Negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative	negative
	Honey Foreign Oligosaccharides	Positive/Negative	negative	negative	negative	negative	negative	negative	negative	negative	negátive	negative	negative	negative	negative	negative
	beta-Amylase	Positive/Negative	negative	negative	negative	negative	negative	negative	negative	regative	negative	negative	regative	negative	negative	negative
	thermostable anylases	30	no detected (n.d.)	n.d	n.d	nd	n.d.	nd	nd	n.d	n.d	nd	0.6	n.d	n.d	9.6
	Glycerol	mg/kg	max 300	826	438	322	148	317	440	524	725	235	379	452	726	253

### Second sampling in the UK7

Our first sampling<sup>8</sup> –where no sample was compliant either– was carried out in 2018. This time we bought thirteen honey jars: one in Coop, Aldi, Morrisons, Lidl, Waitrose, Poundland, Sainsbury's and two in M&S, Asda and Tesco. The purchase criteria was low prices.

Purchases were made in early March 2020 in Bristol, Surrey and Brighton & Hove, and dispatched to FoodQS –a full accredited laboratory in Langenzenn, Germany. Analysis results were delivered 13th of July with following conclusion: all samples are product of this huge and harmful honey fraud.

All samples were fake honey





# IT'S NOT HONEY

#### DANGEROUS

Almost all honey tested was found to be adulterated with sugar syrup

#### DELIBERATE

Chinese companies have designed sugar syrup that can bypass

#### DEVASTATING

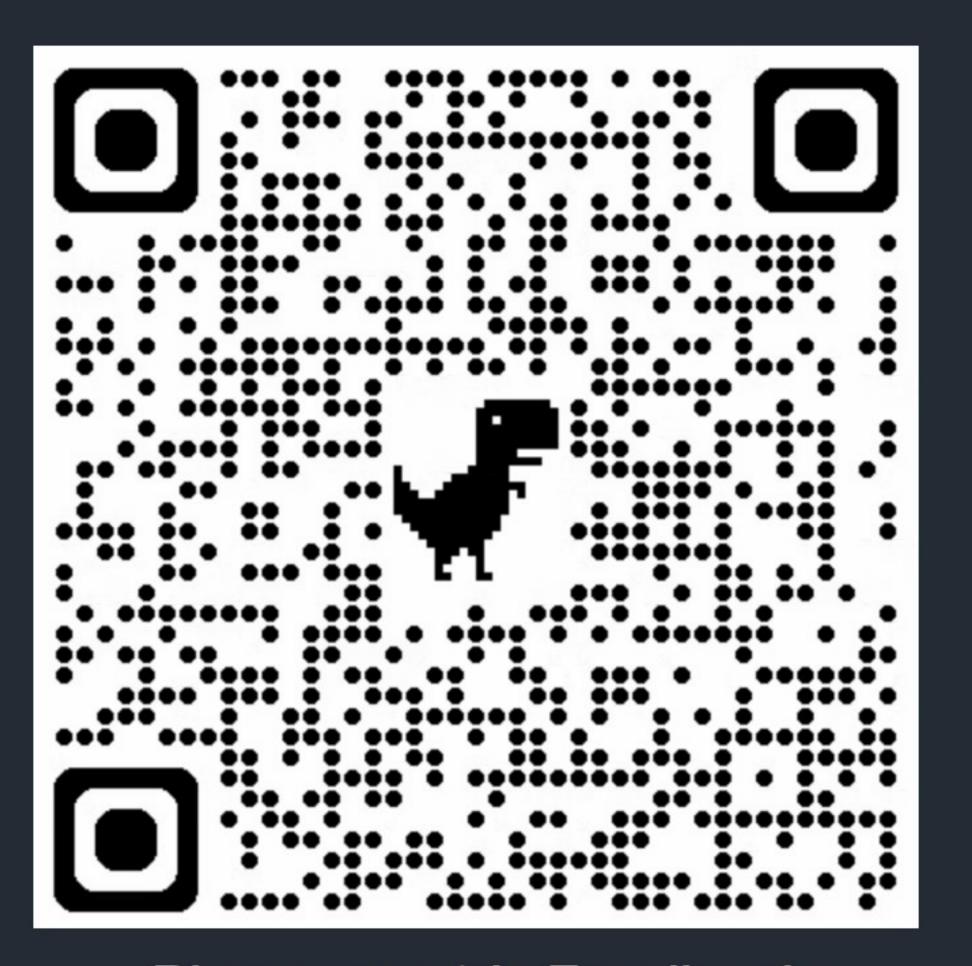
standara tests

Our health and livelihood of beekeepers are at risk









Please provide Feedback



