# How we can use CBS to help humanity

Louise Hayes, PhD,
President & Fellow Association for Contextual Behavioural Science
Senior Fellow
Orygen, The National Centre for Excellence in Youth Mental Health and Centre for Youth Mental Health, The University of Melbourne

www.louisehayes.com.au

### Disclosures

- Royalties from New Harbinger book sales
- Royalties from Praxis for online teaching and training
- Finanical benefit from training and teaching DNA-v



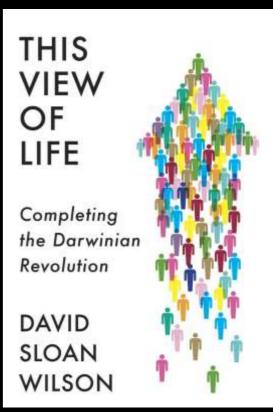


Prof Joseph Ciarrochi Institute of Positive Psychology and Education ACU Sydney

Our chance to change the world

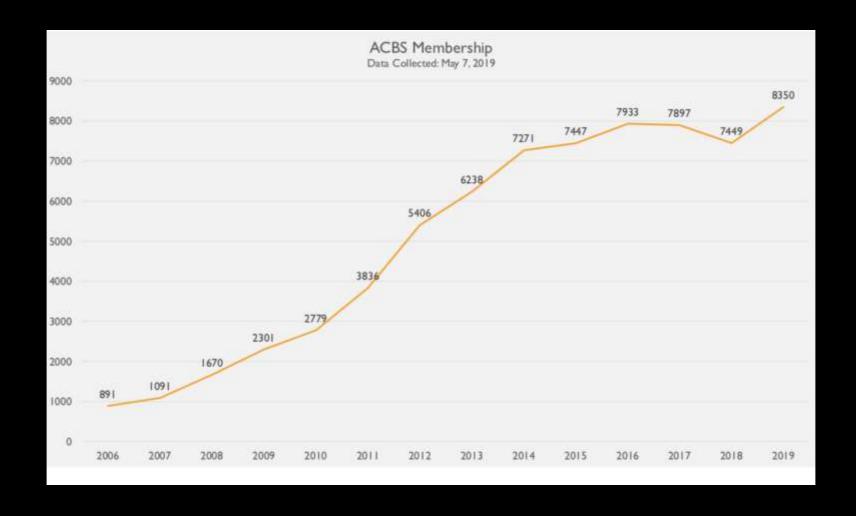
Individual ACBS members
Chapters/Affiliates
Special interest groups
Committees
Communities
Cultures
Countries

Our home - earth





#### We are 8000



Individual



#### Individuals are important to our work

but

only working at this level is reductionist

#### Adverse Childhood Experiences--ACES

- Physical abuse,
- Verbal abuse,
- Sexual abuse,
- Physical neglect,
- Emotional neglect.
- An alcoholic parent
- Abuse of one's mother
- Family member in jail,
- Mentally ill family member
- Loss of a parent through divorce, death or abandonment



## individuals inside small groups





"the ACBS effect"

From: "acceptanceandcommitmenttherapy Moderator"

Subject: Welcome to acceptanceandcommitmenttherapy

**Date:** 14 May 2003 at 10:43:47 pm GMT+5:45

To: Louise Hayes

Hello,

Welcome to the acceptanceandcommitmenttherapy group at Yahoo! Groups

From: Steven Hayes

Subject: ACBS membership

**Date:** 14 March 2006 at 5:58:50 am GMT+5:45

**To:** Louise Hayes

I've noticed that although you are on the Listserve you are not yet an Association for Contextual Behavioral Science (ACBS) member.

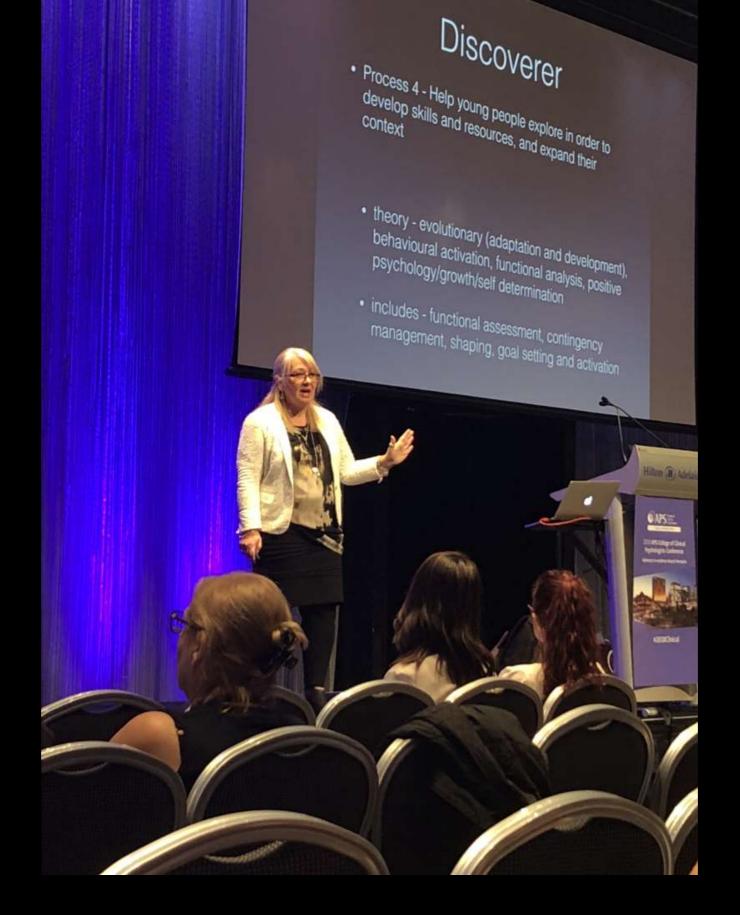
#### Can I talk you into joining?

It really makes sense to join if you care about this work – and you do, otherwise you would not be on the list serve. .......

I hope you will consider it.

- S

Steven C. Hayes



I am only here because you were there



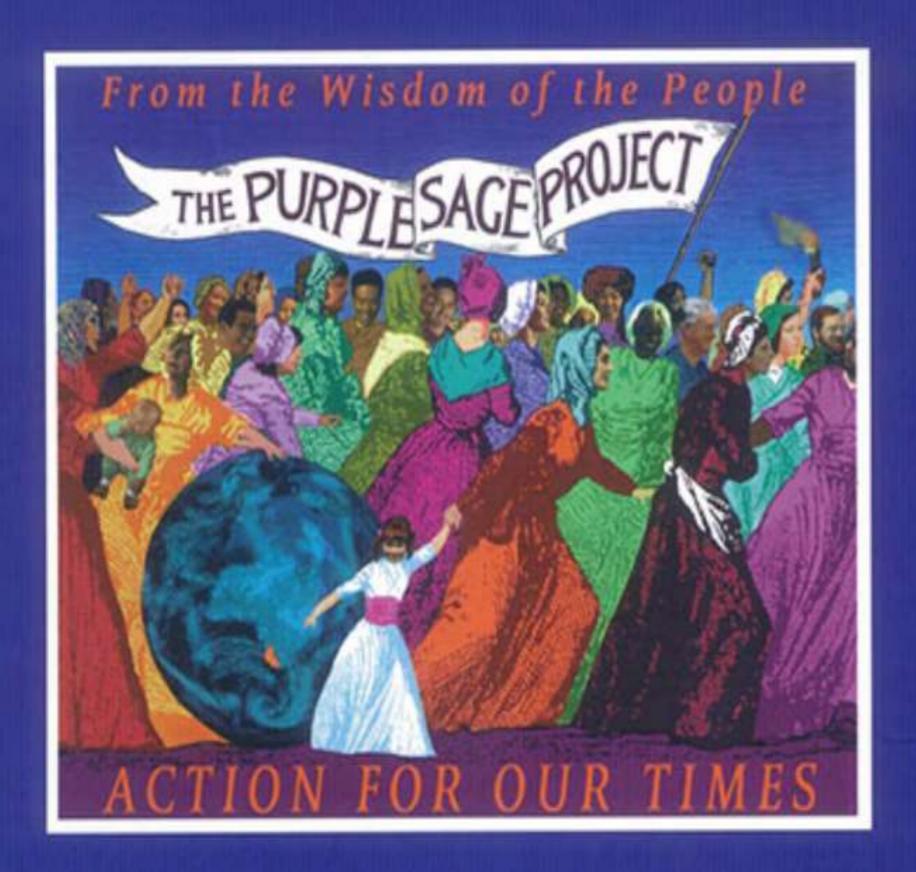
# Small groups working for a higher level purpose do change the world

## A perfect storm

- In Victoria Australia in 1998, a newly elected majority government set an "economic rationalist agenda"
- Context of recession and collapse of financial institutions
  - jobs were lost, schools were closed, unions were abolished, state assets were sold, there were unprecedented cuts to health and education
- A perfect storm
  - an arrogant unchecked government, an ineffective opposition, and a compliant media

#### Community took up the challenge

- A massive 'quiet' exercise in participatory democracy ensued
- Vowing independence of any political allegiance
- Grassroots groups deliberated on key issues actions they could take



## THE PURPLE SAGE **PROJECT**



# The power of 1, 10, community, citizenry

 Over 2 years 6000 community leaders met in lounge rooms, kitchens, church halls, book clubs

Each group leader invited 10 people

They gathered the concerns of the people

Set an action agenda

 They revitalised communities, restored trust, raised consciousness, educated adults, challenged elected officials

# ...and they stopped a freight train

That government lost an 'unlosable' election

....by a landslide

 Purple sage was considered a primary force in this change Association

Contextual

Behavioural

Science

Alliance
Cybercultured
Badass
Scientists

# Alliance C B



## Create a culture of empowerment and productivity



Strategic Lead - Jessica Borushok Strategic Champion –Laura Silberstein-Tirch

https://contextualscience.org/WeAreACBS







If you're not part of a group that is committed to advancing a worthy cause, then you are unlikely to have the resolve and resources to advance the cause on your own."

David Sloan. Wilson,
This View of Life



- Multi-level Selection
  - ACBS must be seen as a multi group system comprising small groups
    - Always maintaining the whole group view and sharing a common cause



"If you're not surrounded by nurturing others who know you by your actions, then it will be difficult for you to thrive as an individual."

David Sloan. Wilson, This View of Life





- We have groups that are:
- EmpoweredConnected
- Diverse
- Coordinated
- Productive
- Guided by value

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B
S



### Enhance our digital presence



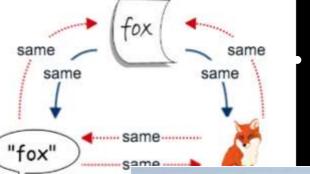
Strategic Lead – Eric Morris

Strategic Champion – Tiffany Rochester

https://contextualscience.org/WeAreACBS



mastering fire



emergence of speech

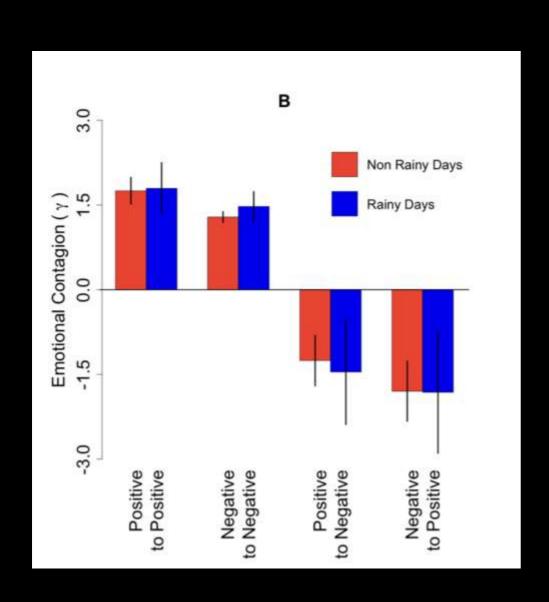
agriculture

industrial revolution

Takács-Sánta, A. The major transitions in the history of human transformation of the biosphere. Hum. Ecol. Rev. 2004, 11, 51–66.

Digital revolution

### Emotions ripple through social networks to generate large-scale synchrony



1180 days on Facebook from January 2009 to March 2012

Social media posts have synchrony

- Positive post yields positive posts amongst one's friends
- Negative post yields more negative posts by friends.

Posts have an *inhibitory* effect on each other:

- Positive post decreases the number of friends' negative posts
- Negative post decreases the number of friends' positive posts

Detecting Emotional Contagion in Massive Social Networks

Lorenzo Coviello<sup>1</sup>, Yunkyu Sohn<sup>2</sup>, Adam D. I. Kramer<sup>3</sup>, Cameron Marlow<sup>3</sup>, Massimo Franceschetti<sup>1</sup>, Nicholas A. Christakis<sup>4,5</sup>, James H. Fowler<sup>2,6</sup>\*

### Online emotional states are *indirectly* transferred to others

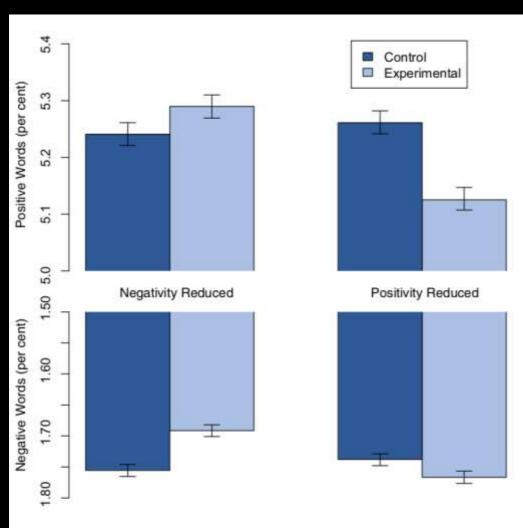


Fig. 1. Mean number of positive (*Upper*) and negative (*Lower*) emotion words (percent) generated people, by condition. Bars represent standard errors.

Experimental evidence of massive-scale emotional contagion through social networks

Adam D. I. Kramer<sup>a,1</sup>, Jamie E. Guillory<sup>b,2</sup>, and Jeffrey T. Hancock<sup>b,c</sup>

\*Core Data Science Team, Facebook, Inc., Menio Park, CA 94025; and Departments of \*Communication and \*Information Science, Cornell University, Ithaca, NY 14853

- (N = 689,003) experiment on Facebook
- Media feed was manipulated without users awareness
- Demonstrated that emotional states were transferred to others via emotional contagion,
- People to experience the same emotions without their awareness.

"We provide experimental evidence that emotional contagion occurs without direct interaction" between people (exposure to a friend expressing an emotion is sufficient), and in the complete absence of nonverbal cues."

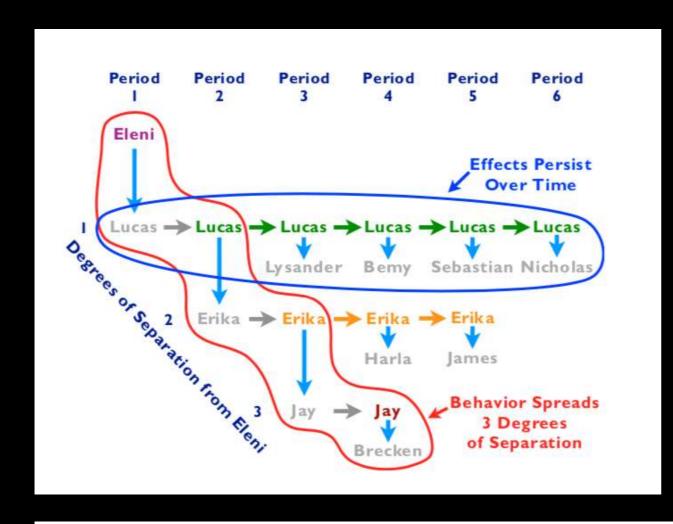
### Depth and pace of digital world at an unprecedented speed

#### Risks:

- Unintended changes in social structures,
- Changes in human rights such as a loss of privacy
- Reproducing the same demographic and socioeconomic inequalities



### Cooperative behavior spreads to three degrees of separation



Cooperative behavior cascades in human social networks

James H. Fowlera, and Nicholas A. Christakisb,c

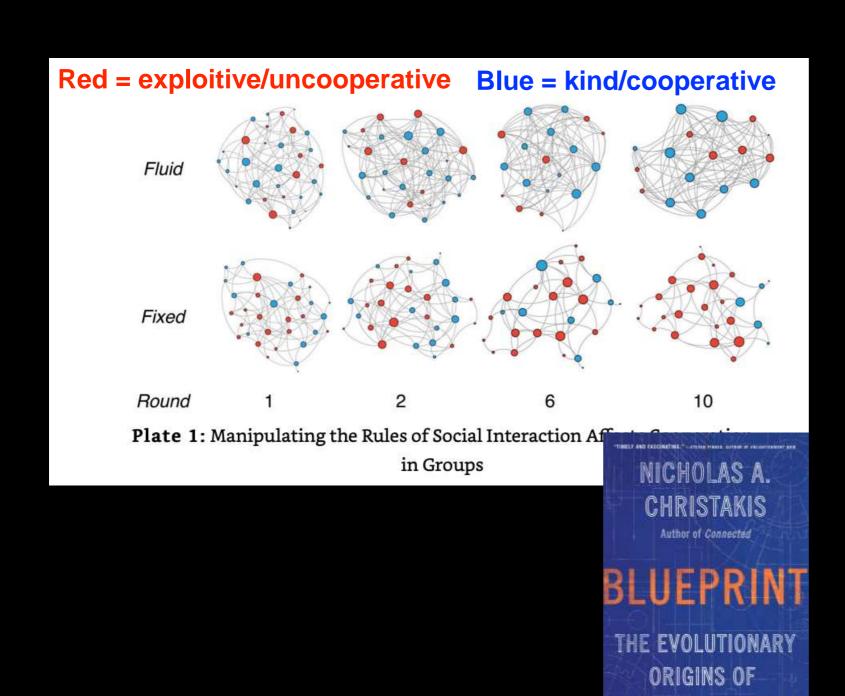
Public goods game experiments.
 Subjects given money units (MUs) and must decide how much to keep and how much to contribute to a group project.

Experimentally demonstrated that cooperative behavior cascades in human social networks.

Each additional contribution tripled over the course of the experiment by other subjects who are directly or indirectly influenced to contribute more as a consequence.

### Specifying rules can make a group of people mean or kind to one another

A GOOD SOCIETY



**Experimental** manipulation

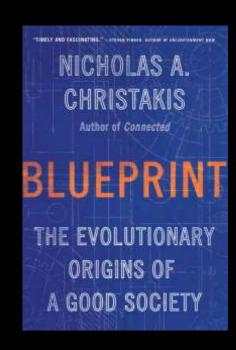
Fluid – subjects can choose who to connect with and cooperation increases

Fixed – subjects are stuck with neighbours and cooperation declined

Fluidity and choice helped cooperation

### Vulnerability increased cooperation

- A robot programmed to make some mistakes and—importantly to vocally acknowledge them (for instance, saying, "Sorry, guys, I made the mistake this round. I know it may be hard to believe, but robots make mistakes too."
- The presence of this robot willing to admit error modified how the humans interacted among themselves, making them work better together.
- M. L. Traeger, S. S. Sebo, M. Jung, B. Scassellati, and N. A. Christakis, "Vulnerable Robots Positively Shape Human Conversational Dynamics in a Human-Robot Team"



Our digital behaviour and landscape is lagging



### Our desired future



- Online 'we' are a force for social connection and collaboration
- Our digital space becomes the place to be for professionals learning CBS
- You feel proud sending your colleagues there
- We have online capacity for public campaigns.

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dissemination of our work into applied fields
where we have come.
other research on dissemination and certification
talk of certification?
where we will go with strategy



### Build a culture of competency to support effective dissemination





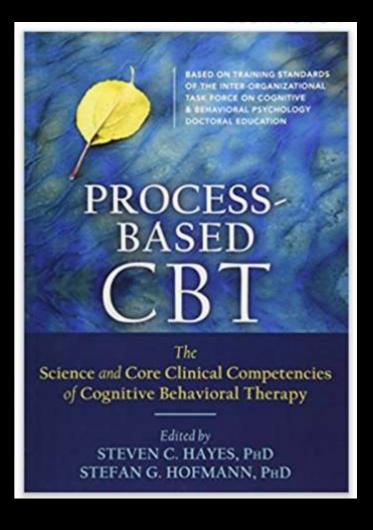
Strategic Lead – Robyn Walser

Strategic Champion –Nanni Presti

https://contextualscience.org/WeAreACBS

### Over 300 RCTs

# Assumptions, theory, process and procedures



Research and application regarding competency measurement for therapists and trainers in CBS is less robust than other areas of CBS research, such as our outcome and process evidence base.



### Certification is not the answer

## Control will bring problems if not consistent with multi-level selection



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## Centred by the science





Strategic Lead – Louise McHugh

Strategic Champion –Jonathan Bricker

https://contextualscience.org/WeAreACBS

# Over 300 RCTs JCBS impact factor of 1.89

Contextual Science could be the voice and the mechanism for supporting human potential across the life-span,

but this requires supporting new and existing scientists, and a robust community.

### Desired future state

Over the next 5 to 10 years, establish ACBS as a leader and home to a strong infrastructure for research that supports a robust worldwide research community.

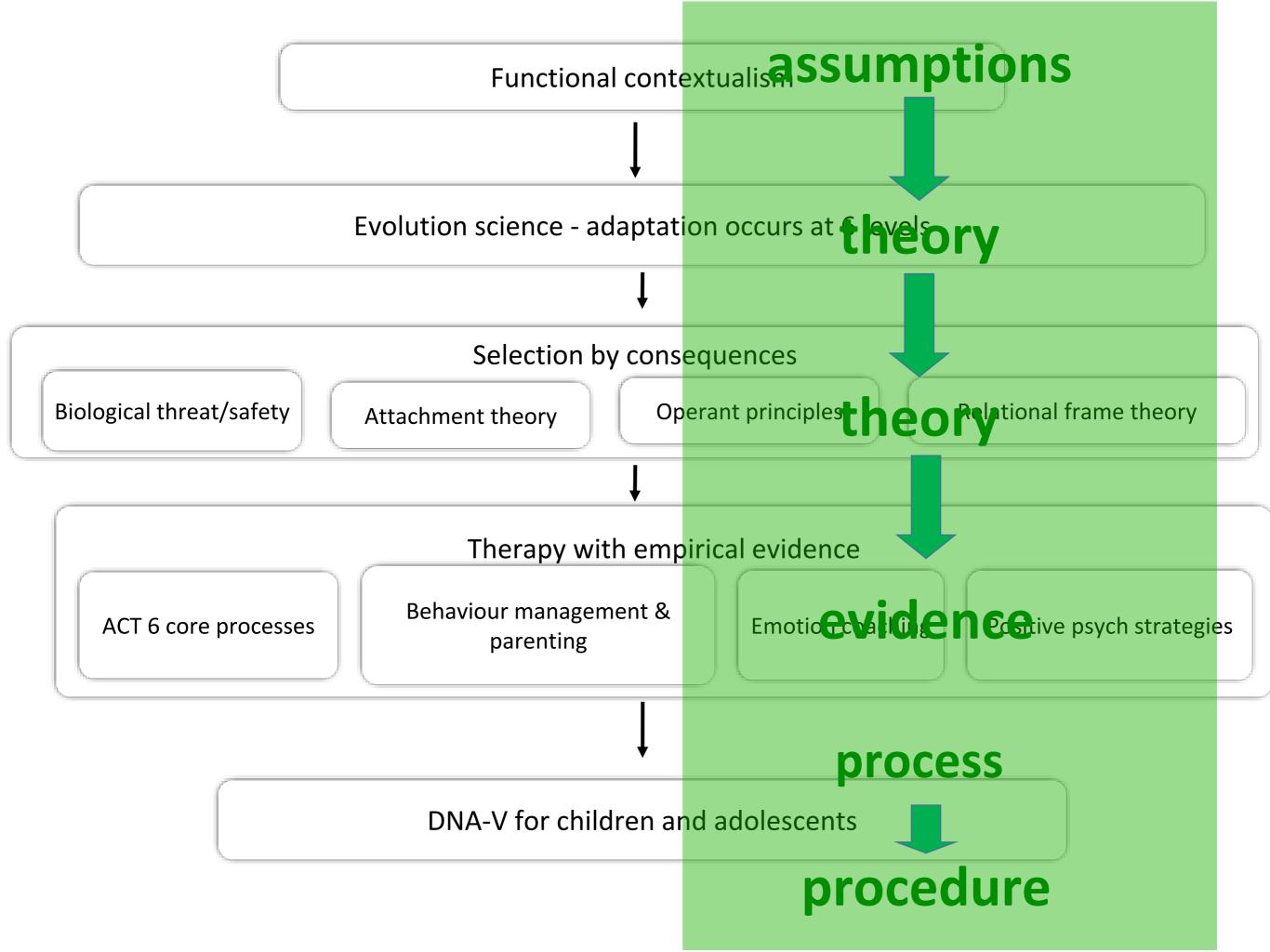
### New paradigms Innovation

Collaboration in small groups

Upscaling beyond the individual



## What if an evolutionary view gave us a better model for growth?



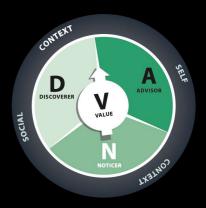


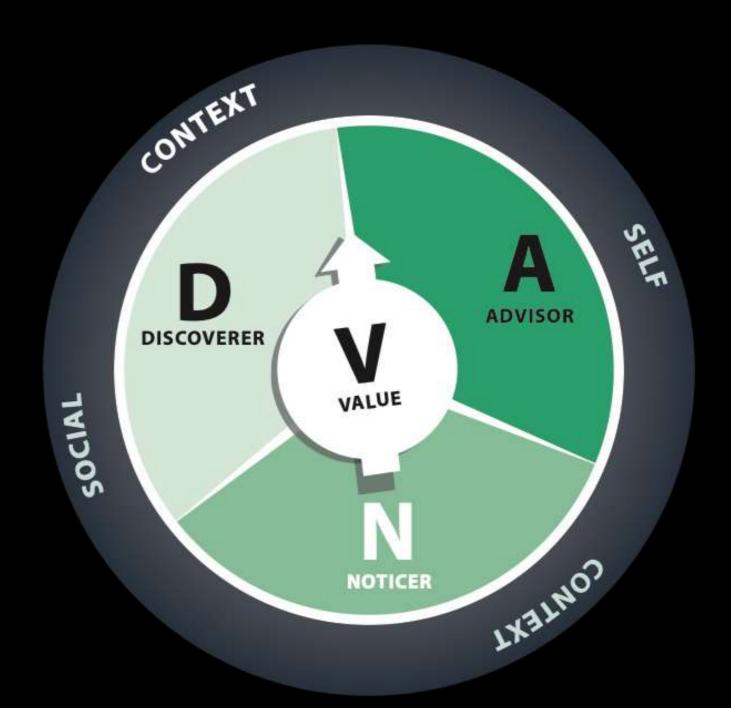






I become my own advisor







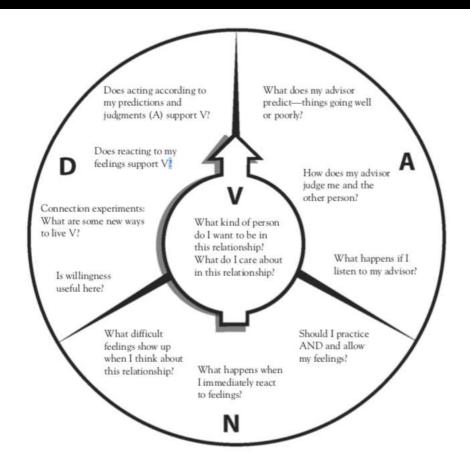
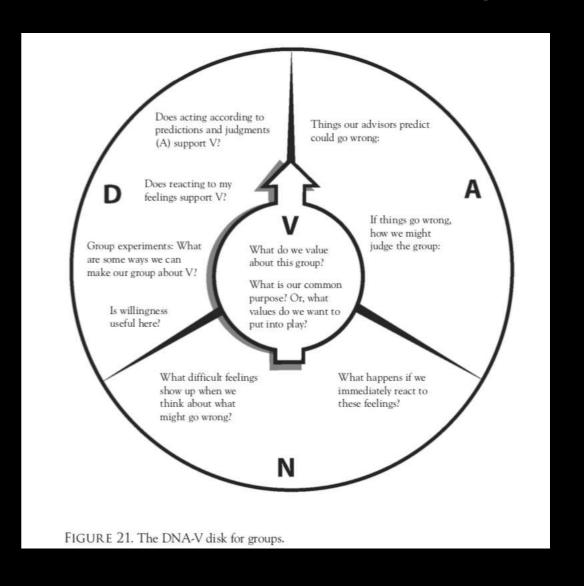
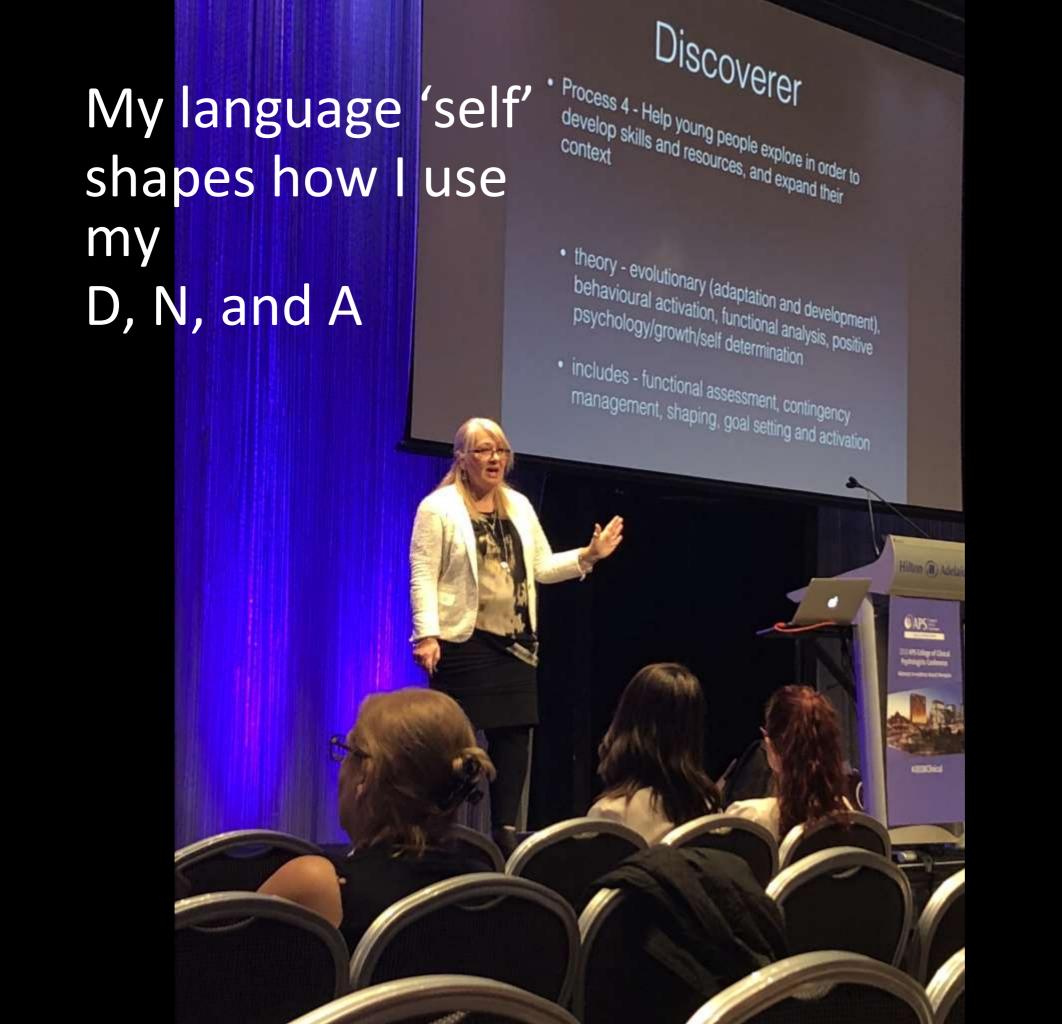


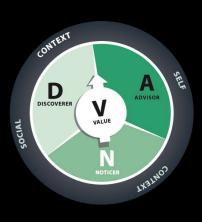
FIGURE 20. Example questions for building social connections.

## Our DNA-v for building relationships

### Group DNA-v for social groups – community, classroom (using Ostrom's CDP)

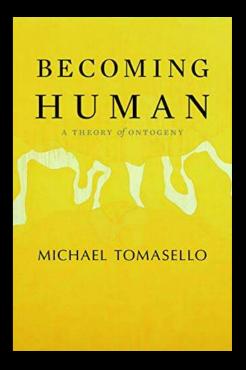






"by far the most frequent source of new traits is changes in the timing and manner in which already existing genes are expressed and transact with the environment."

M. Tamasello. 2019



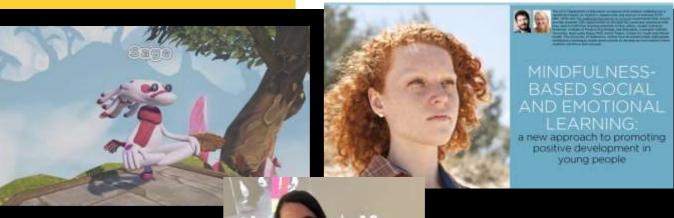
## DNA-v has led to small groups empowered to innovate

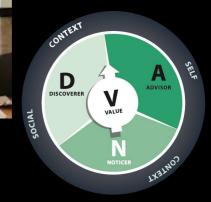
- Open source development
- Research growth
- Curriculum development
- Gamification/Apps
- Treatments trials in child and adolescent mental health services, for care leavers



## Our Approach

Connect is based on a model named DNA-V, which stands for four skills - Discoverer, Noticer, Advisor and Values. Research shows that children's emotional resilience improves when they develop and use these four key skills.







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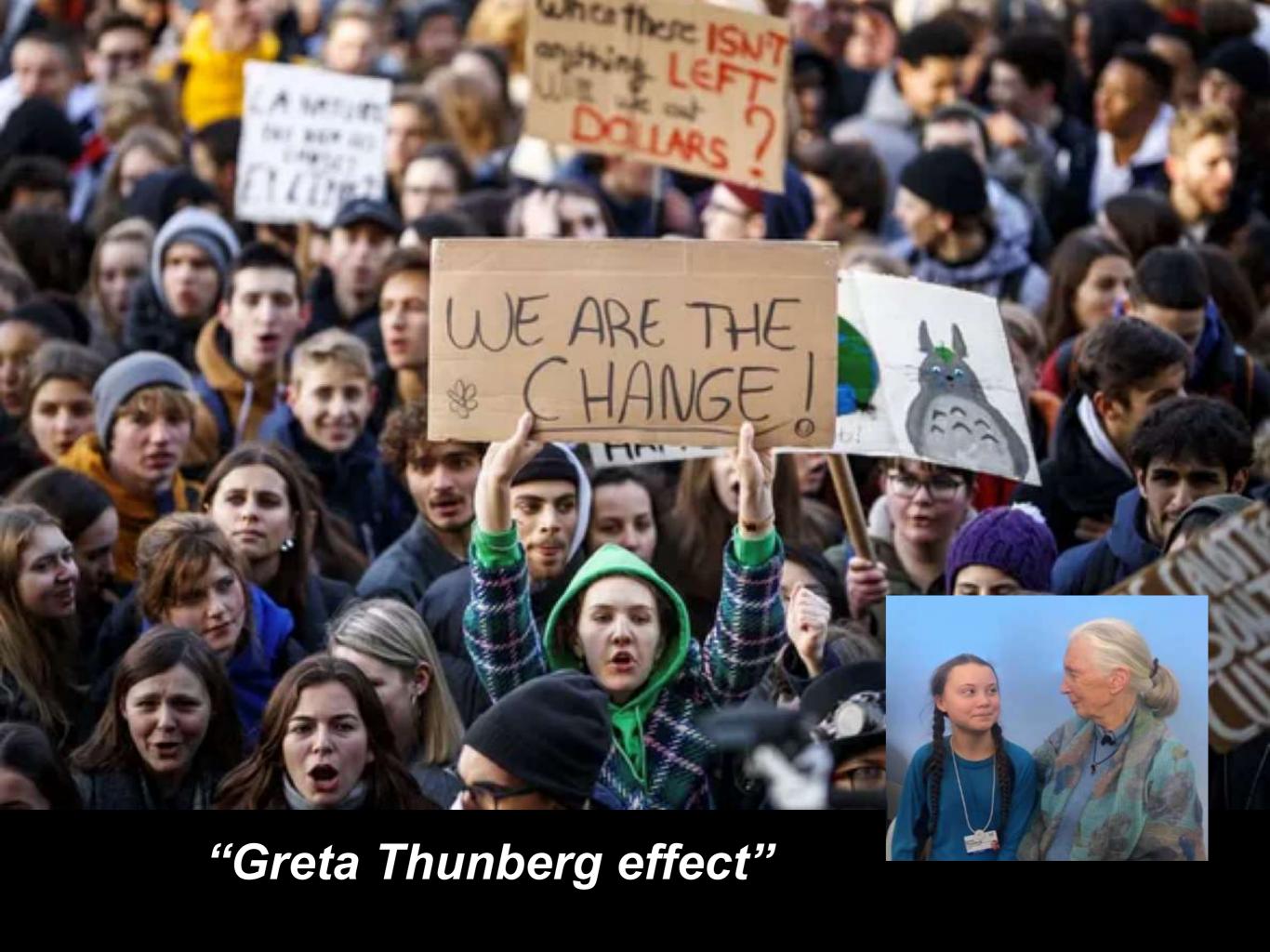


Scientists





"Greta Thunberg effect"



## "ACBS effect"



Small groups working for a common purpose



empowered by our community



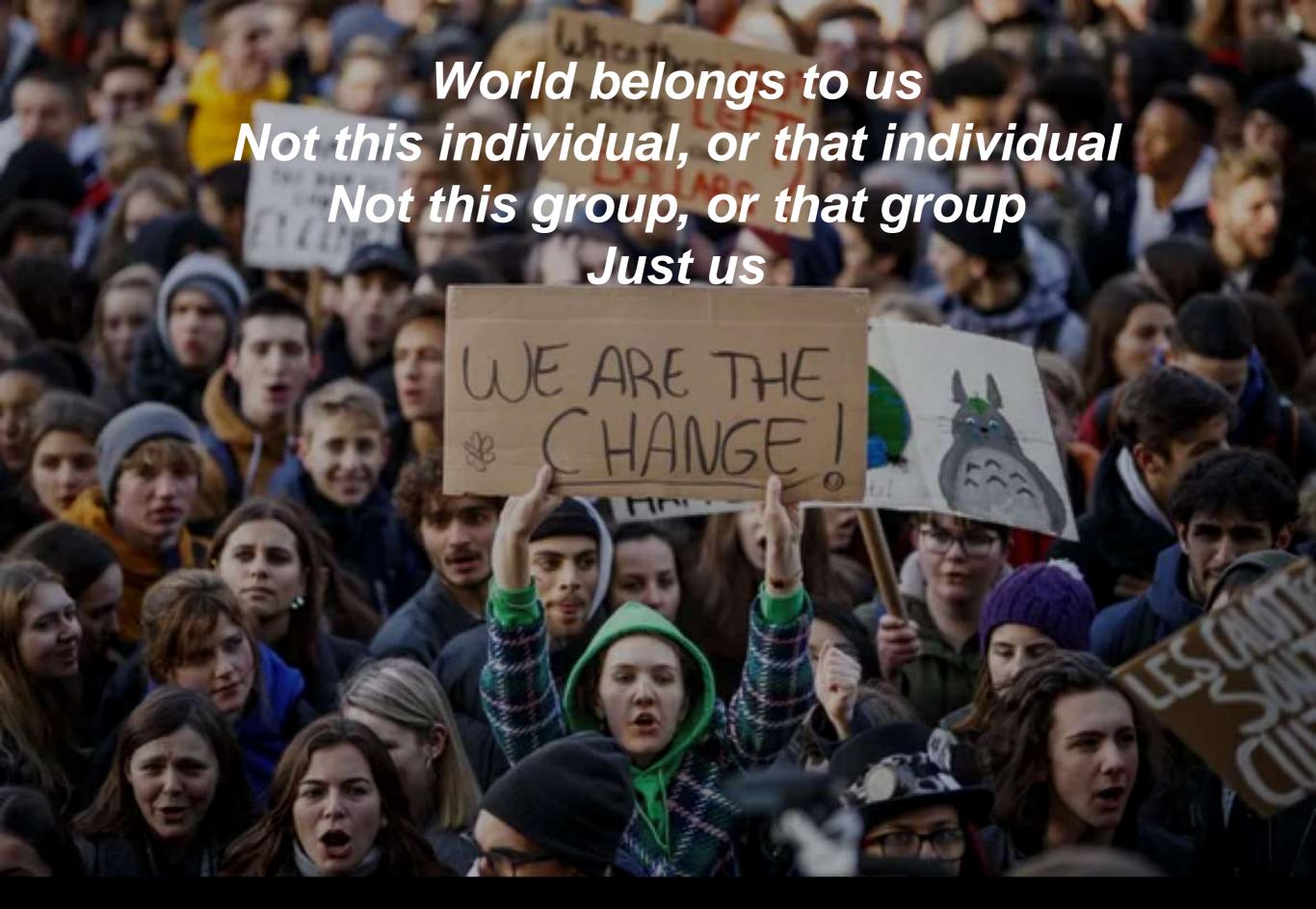
enhancing our digital capacity



extending our competency



centred by the science



"The ACBS effect" https://contextualscience.org/WeAreACBS



## close with a story DNA\_v and the photo of me giving a plenary

tell of our acbs
HX
members
research
training

alliance
dsw and group level
link to empowerment of community - we
call to be part of us no matter what your
dnav