Joshua Qwek



Manufacturing



Education



Finance & Banking



Health Insurance



Advisory Services



Agenda

Building a people-led security culture

- The Golden Age of Cyber Awareness
- 2 The Never-ending Quest
- From Awareness to Culturalisation
- The Measure of Success Progress



The Golden Age of Cyber Awareness







Awareness awakes, Culturalization blooms, Diversity thrives.





The Golden Age of Cyber Awareness





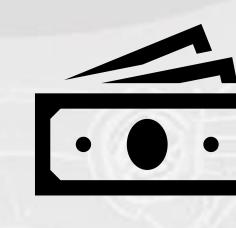




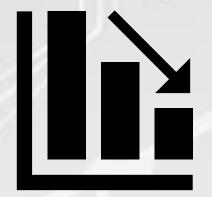
Overworked



Understaffed



Over Budget



Underutilize



Still conducting awareness session & regular phishing simulation testing.

The Golden Age of Cyber Awareness



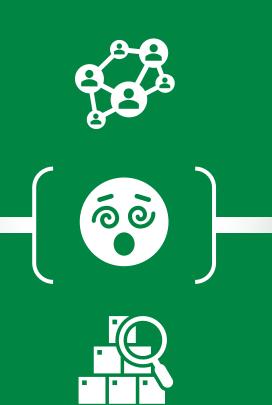


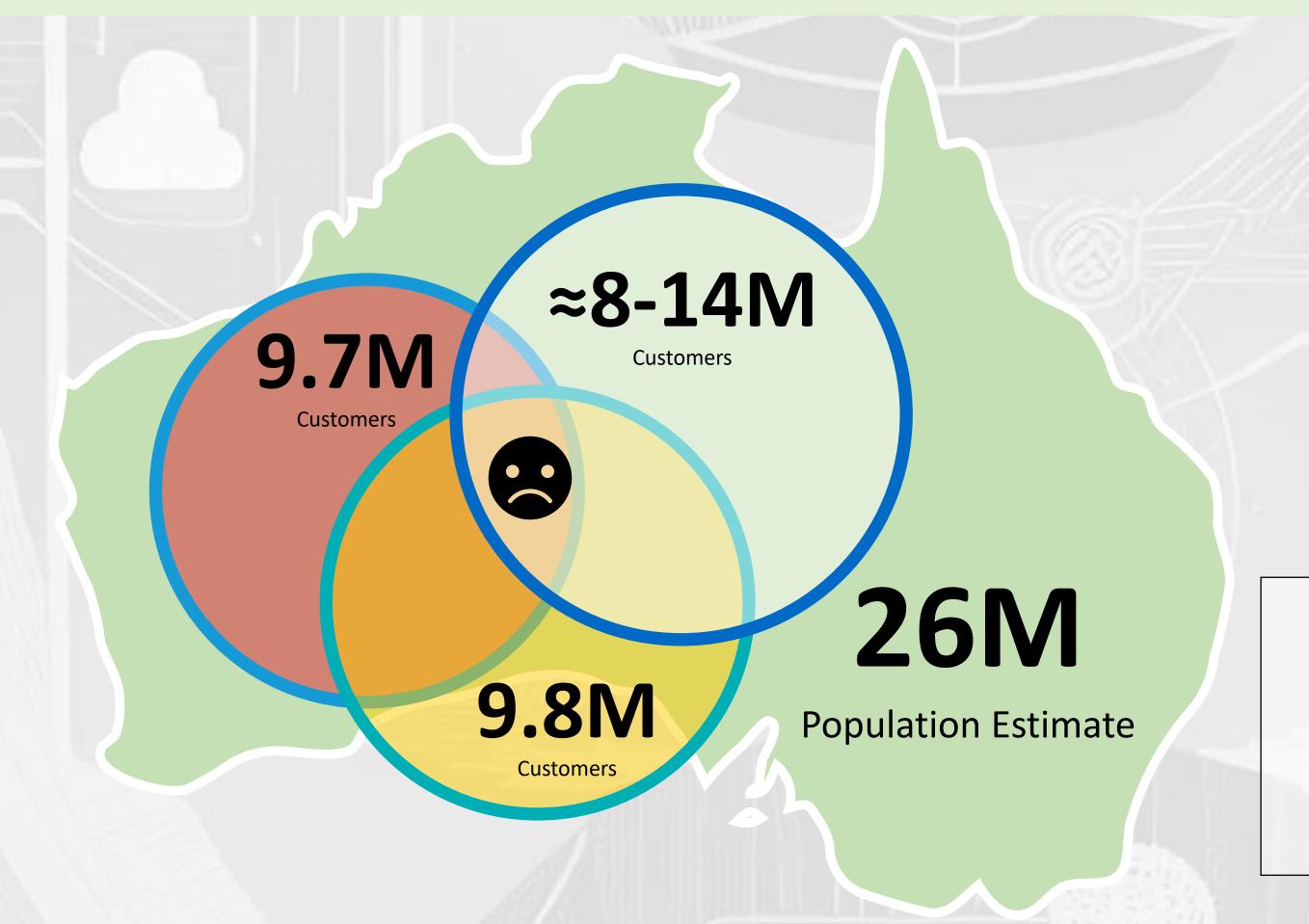






The Golden Age of Cyber Awareness





"Never let a good crisis go to waste."

Sir Winston Churchill













The Golden Age of Cyber Awareness

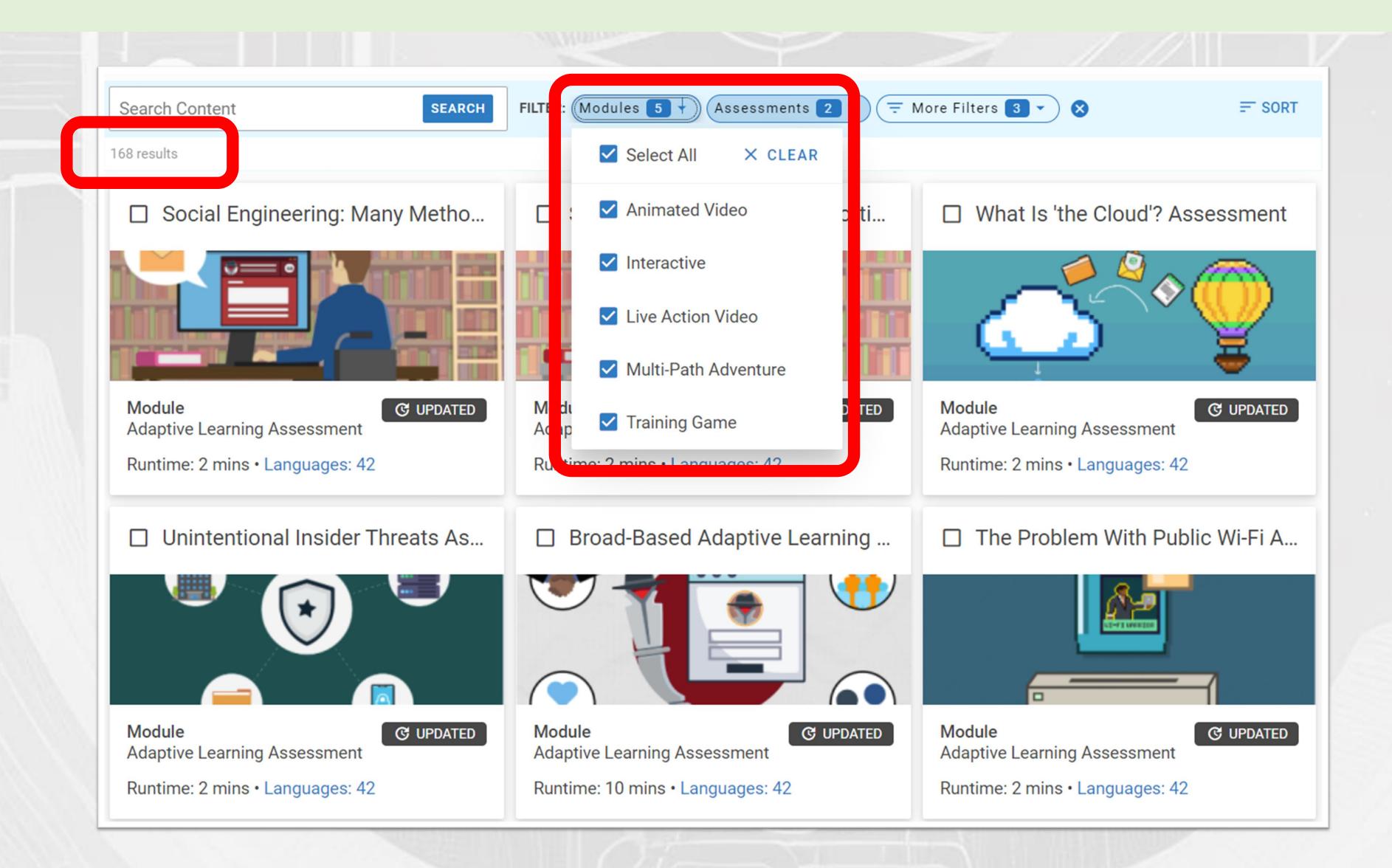
	Enisa's AR-In-A-Box	
Cyberbullying	Financial Scams	Malware
Online Gaming	Mobile Banking	Phishing
Online Pornography	Device Safety	Ransomware
Safe Internet	Email Spam	Cyber Upskilling
Sexting	Business Email Compromise Fraud	Cyber Terrorism
Fake News	Password Attacks	Certifications
Privacy & Data Protection	Data Breach	

The Golden Age of Cyber Awareness











The Never-Ending Quest







With each step we take,
The measure of success grows,
Progress sets the pace.

The Never-Ending Quest











I had an amusing experience in an infosec awareness course I was delivering via Teams this morning. While we were doing the ice breaker, one of the participants obviously did not realise they were unmuted, and was talking to a team mate off camera or taking a phone call and said "yeah, I'm doing cyber security training, it's

Now this was about 10 minutes into the ice breaker, and I hadn't covered any content, so I choose to believe it wasn't about me and therefore didn't take this so friggin' boring!" personally. But it is quite instructive (no pun intended) about some people's attitudes towards and experiences of cyber security training, it often is friggin' boring.

#dontbeboring



The Never-Ending Quest







Please see my snippet of the amount of phishing emails I'm getting. I feel I've been well tested for the month of February, and I'd rather pack up my phishing gear and go down the pub and talk about the one that got away (5)

Is there a possibility I can have no more phishing? Three big phish in one day is too much for me to handle, I even caught two at the same time (8.35). My bad days phishing is spoiling my good days work.

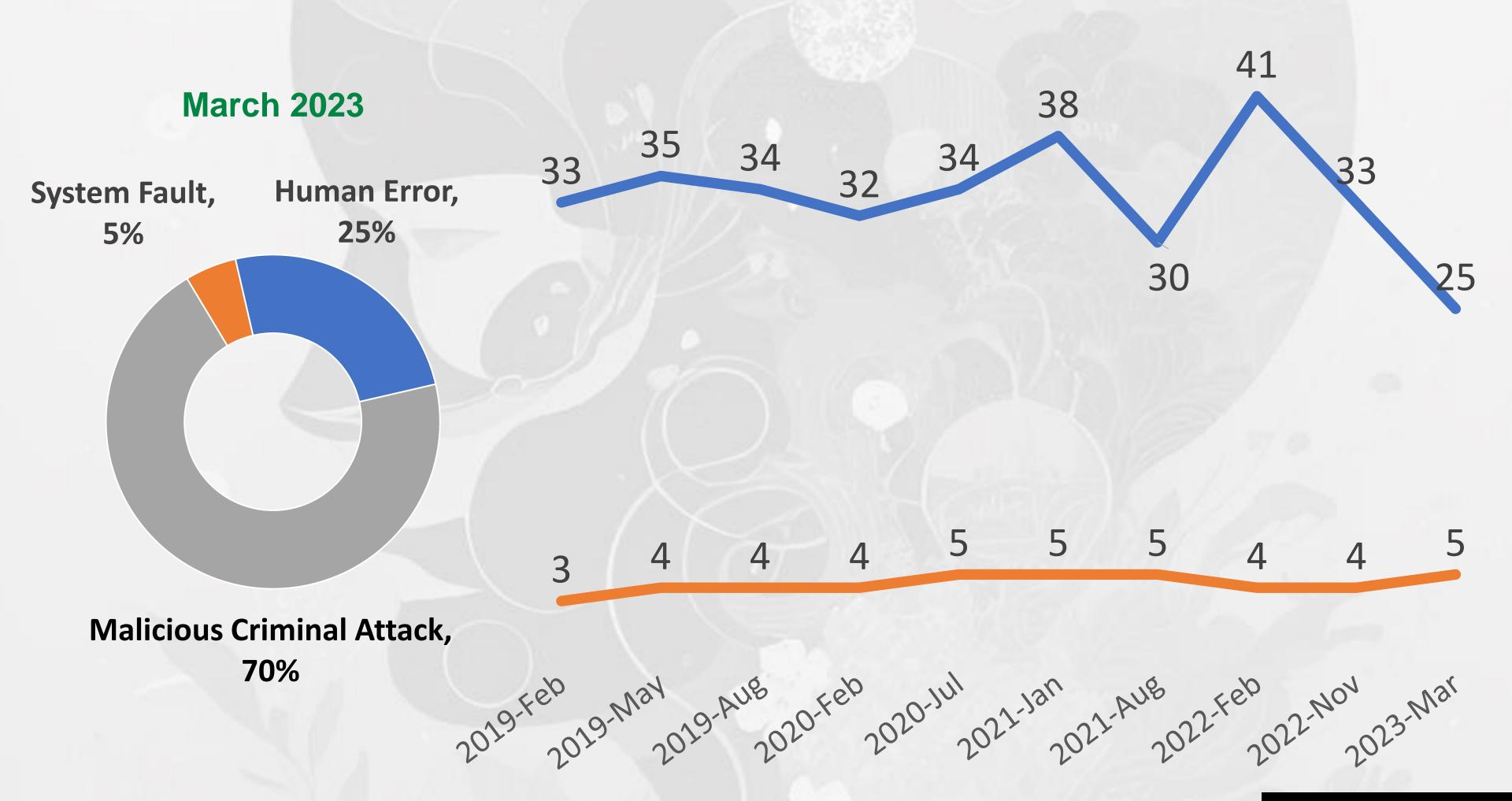
Also, none are going to get away when I know they're coming I'm a seasoned phisherman.





The Never-Ending Quest





The Never-Ending Quest







"Am I showing the right screen?"



"You are on mute!"



"Sorry... I pocket dialed"

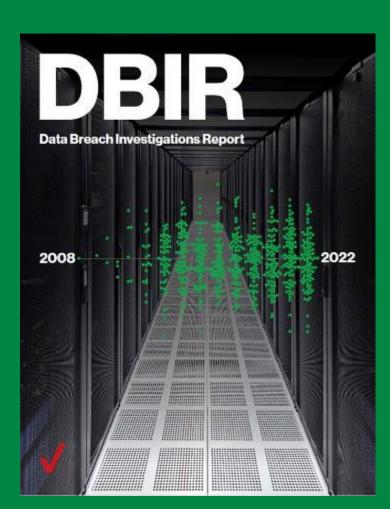
The Never-Ending Quest

12%-ish

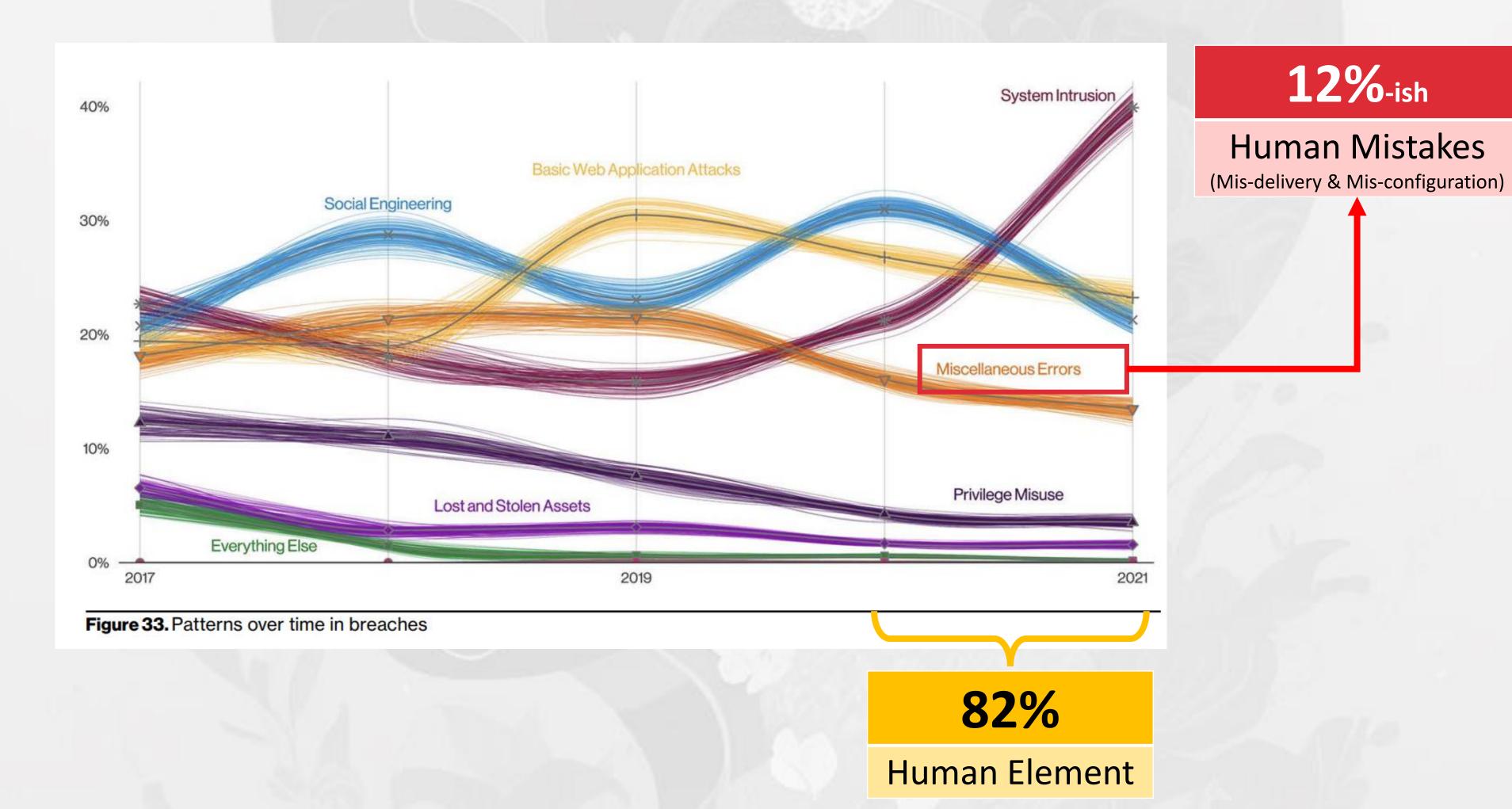








2022-data-breach-investigationsreport-dbir.pdf (verizon.com)





The Never-Ending Quest









RAISING AWARENESS OF CYBERSECURITY

A Key Element of National Cybersecurity Strategies

NOVEMBER 2021

Raising Awareness of Cybersecurity — ENISA (europa.eu)

Section 1.4 Definitions of Cybersecurity Awareness

Level of appreciation, understanding or knowledge of cybersecurity aspect...

... Awareness is not training...

The purpose... simply to focus on security...

... recognise IT security concerns and respond accordingly...

Awareness ≠ Competency

The Never-Ending Quest

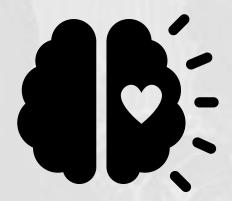








Digital Immigrant



Neurodivergent



Culturally Engaging



Role Specific Content







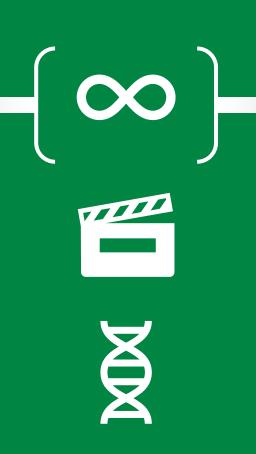
X

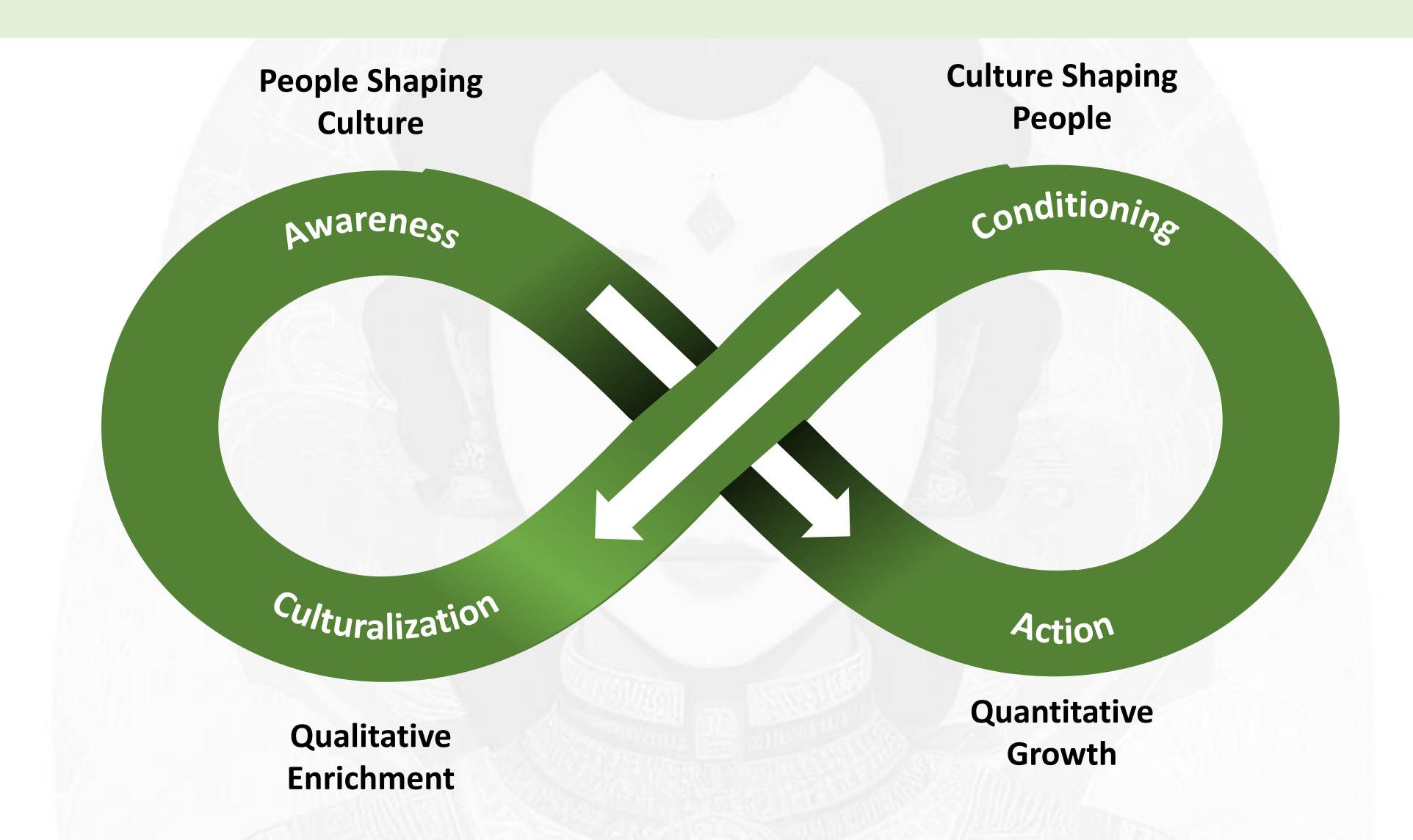


46

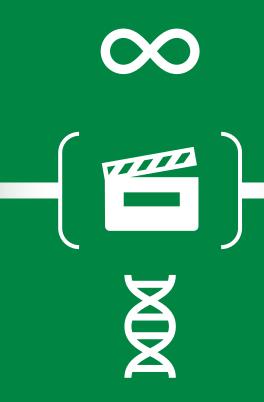
Awareness awakes, Culturalization blooms, Diversity thrives.

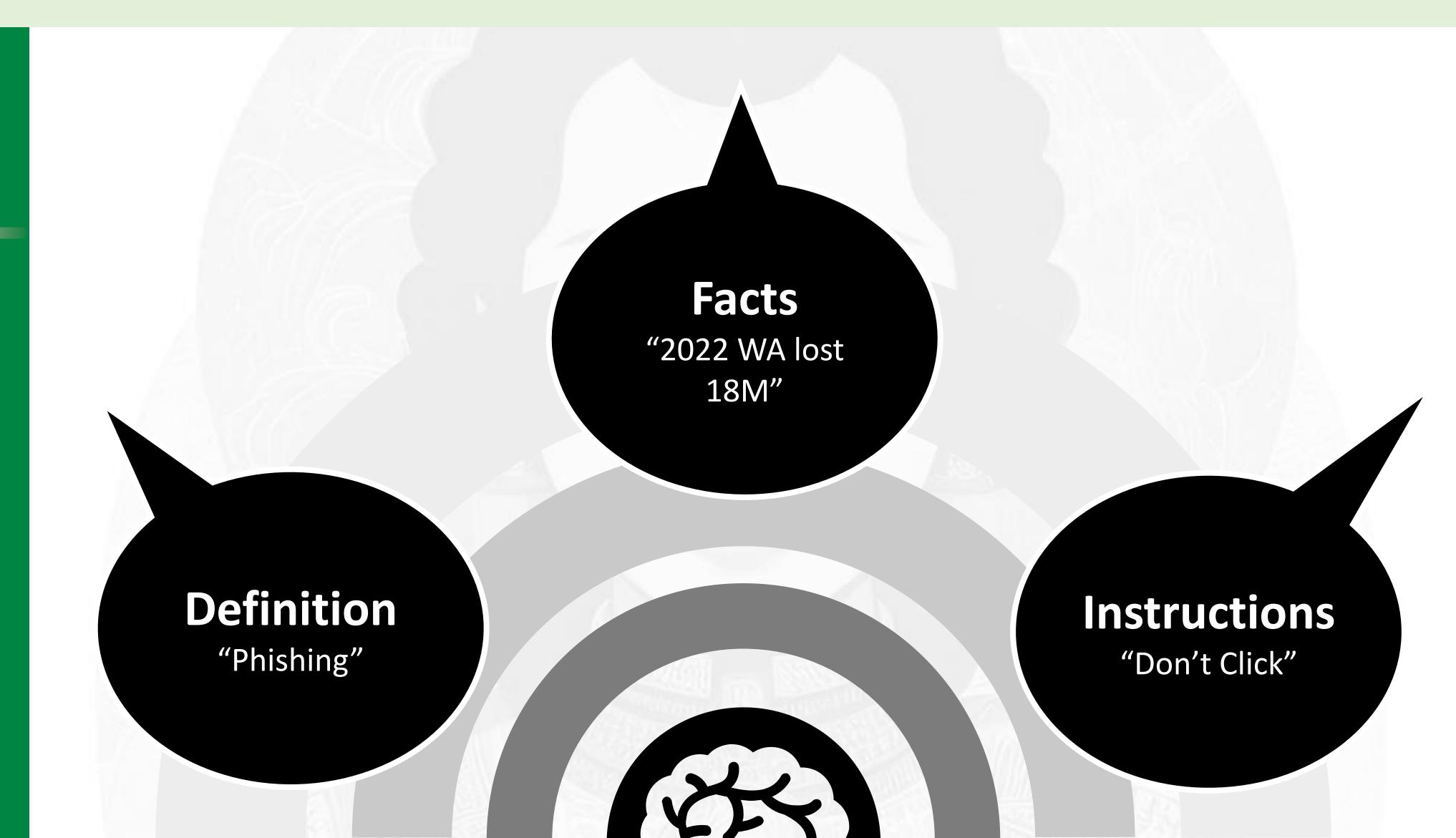




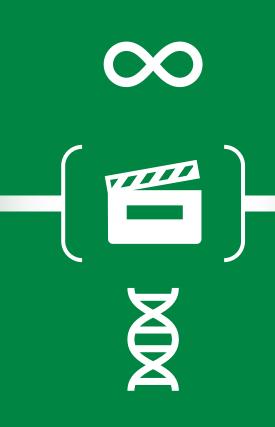


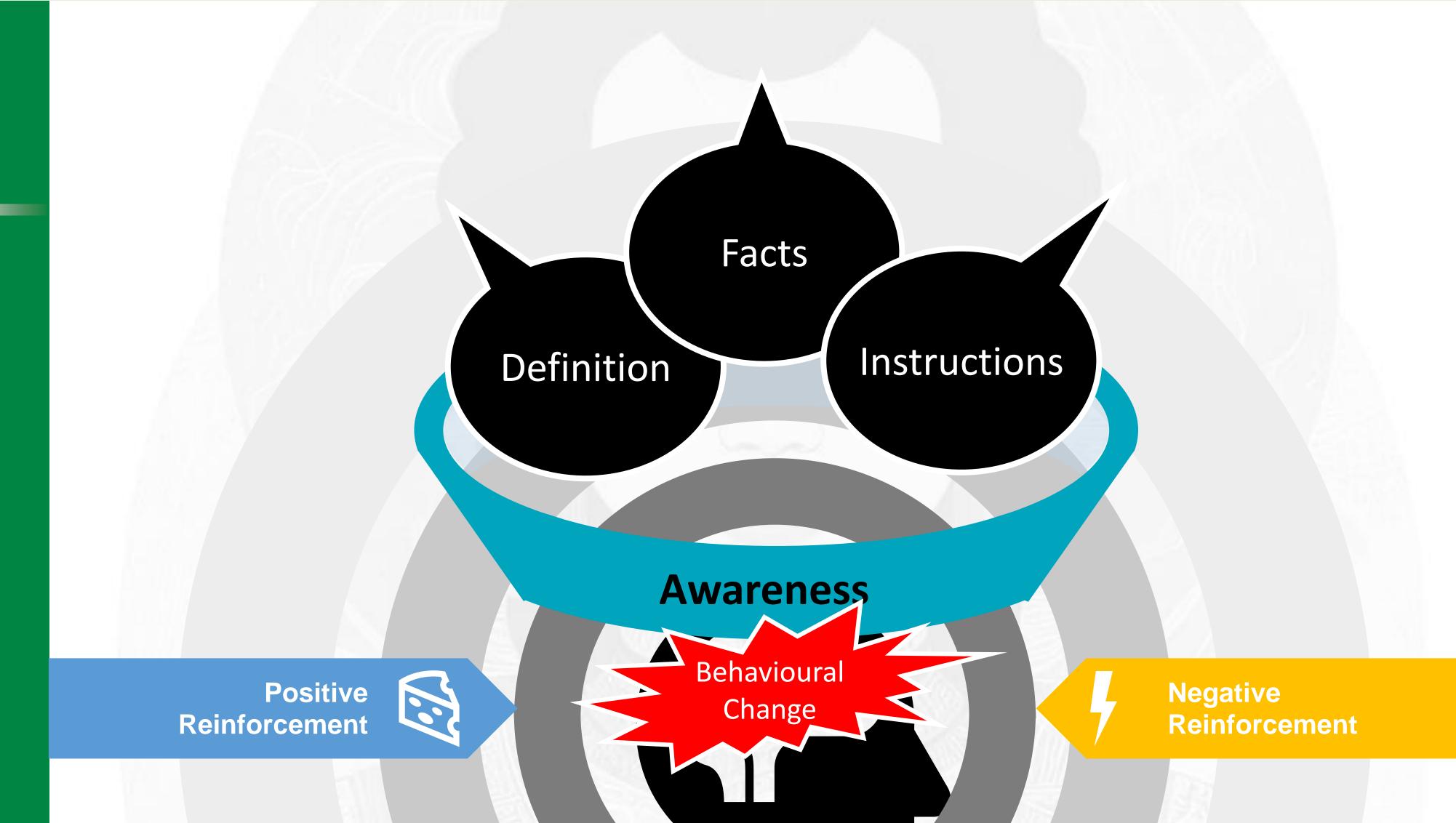


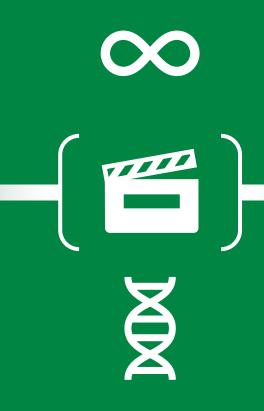


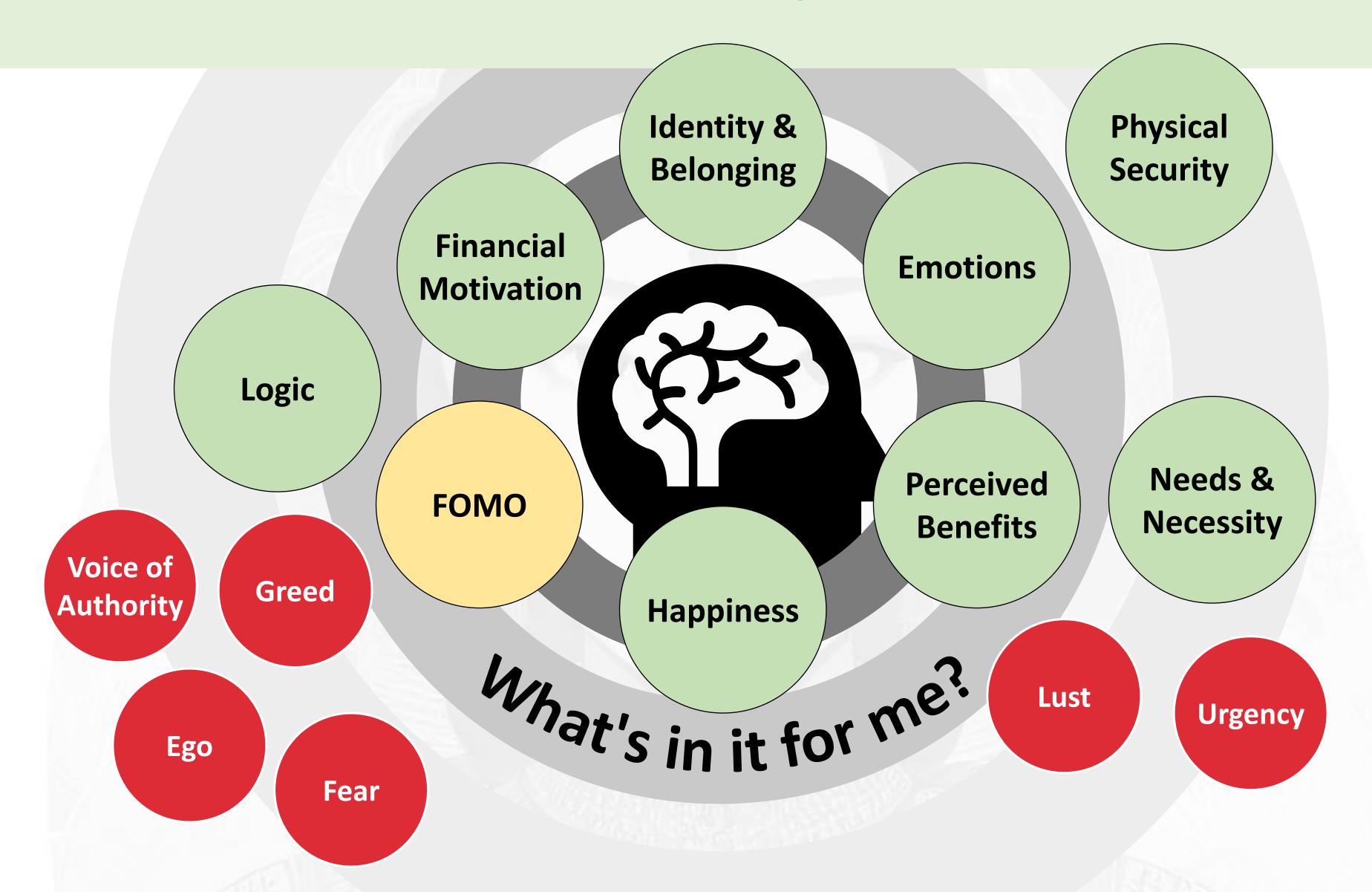




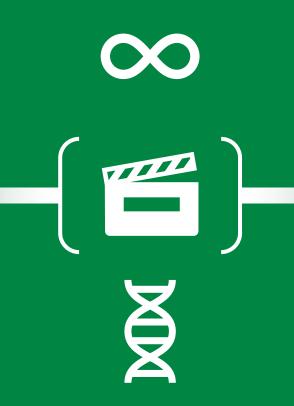






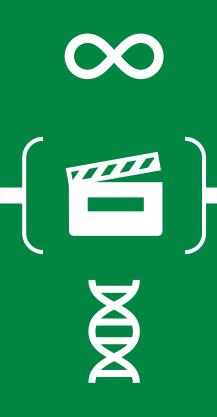








From Awareness to Culturalization

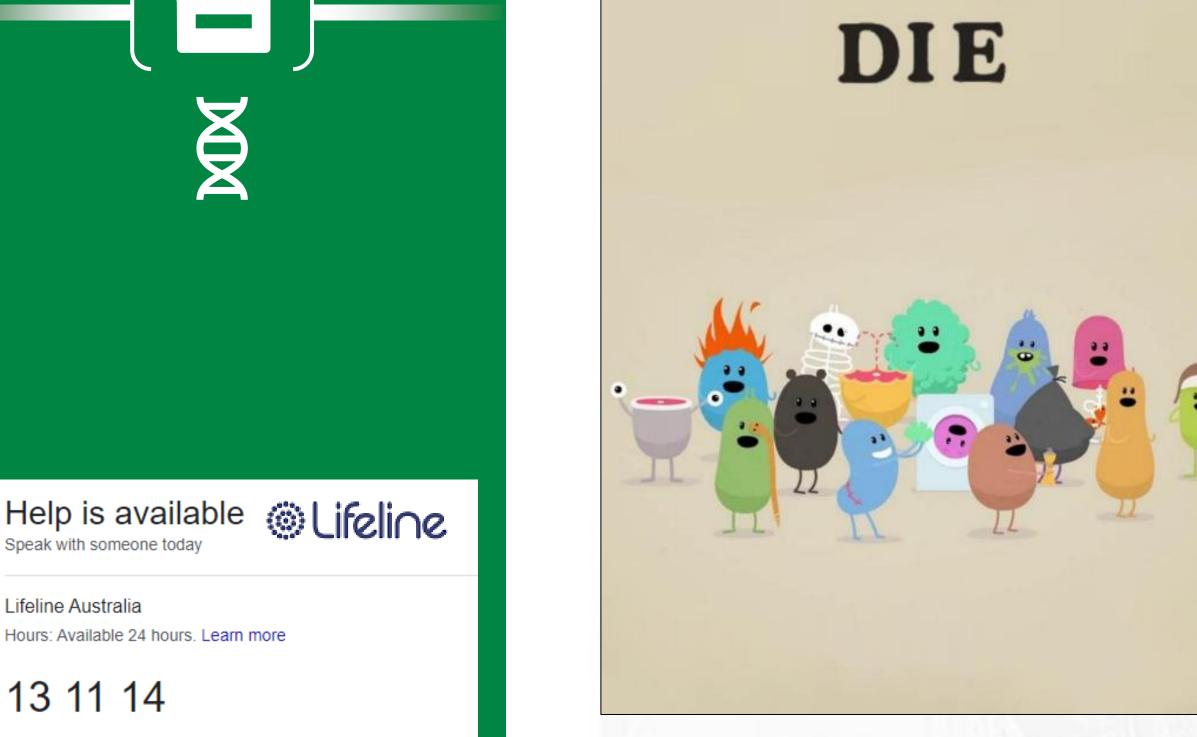




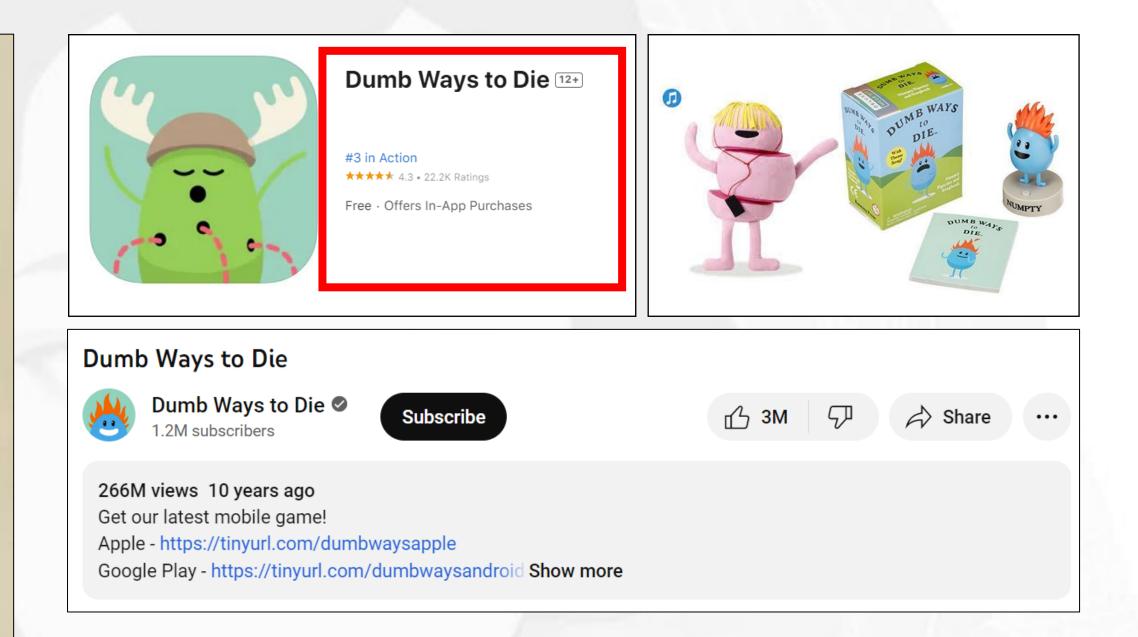
Preparedness 101; zombie pandemic (cdc.gov)

From Awareness to Culturalization











7 Webby Awards

International Academy of Digital Arts & Sciences 2013



5 Grand Prix 18 Gold, 3 Silver, 2 Bronze

Cannes Lion International Festival of Creativity 2013



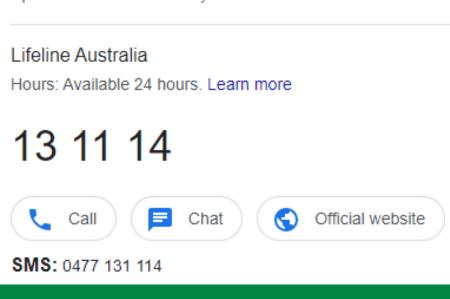
3 Siren Award

Commercial Radio Australia 2013

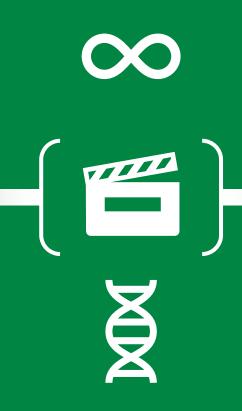


Grand Trophy

New York Festivals International Advertising Awards 2013









Work with educators and/or marketers

Adult learning is a lot more complex than designing a nice poster. The message, medium and method need to be appropriate.



Derive learning from Incident

Make training meaningful and realistic by drawing on near misses and incidents, not just canned templates that will not pass your email gateway in the first instance.



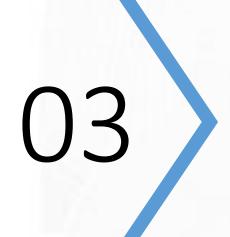
Take a Whole-Person approach

Team members are also parents, siblings, children, carers, friends and community members. Make meaningful content that will help them outside of "work".



Don't overload you audience

There is always a point where "too-much" information results in people subconsciously rejecting the message.



Changing mindset and attitude, not just action.

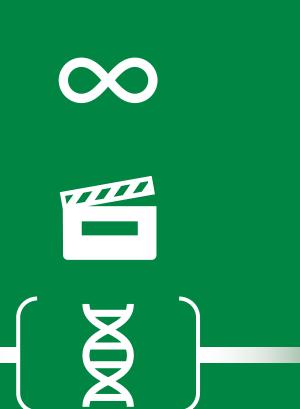
People are not lab rats; teach them to think and develop their ability to cope with technology changes.

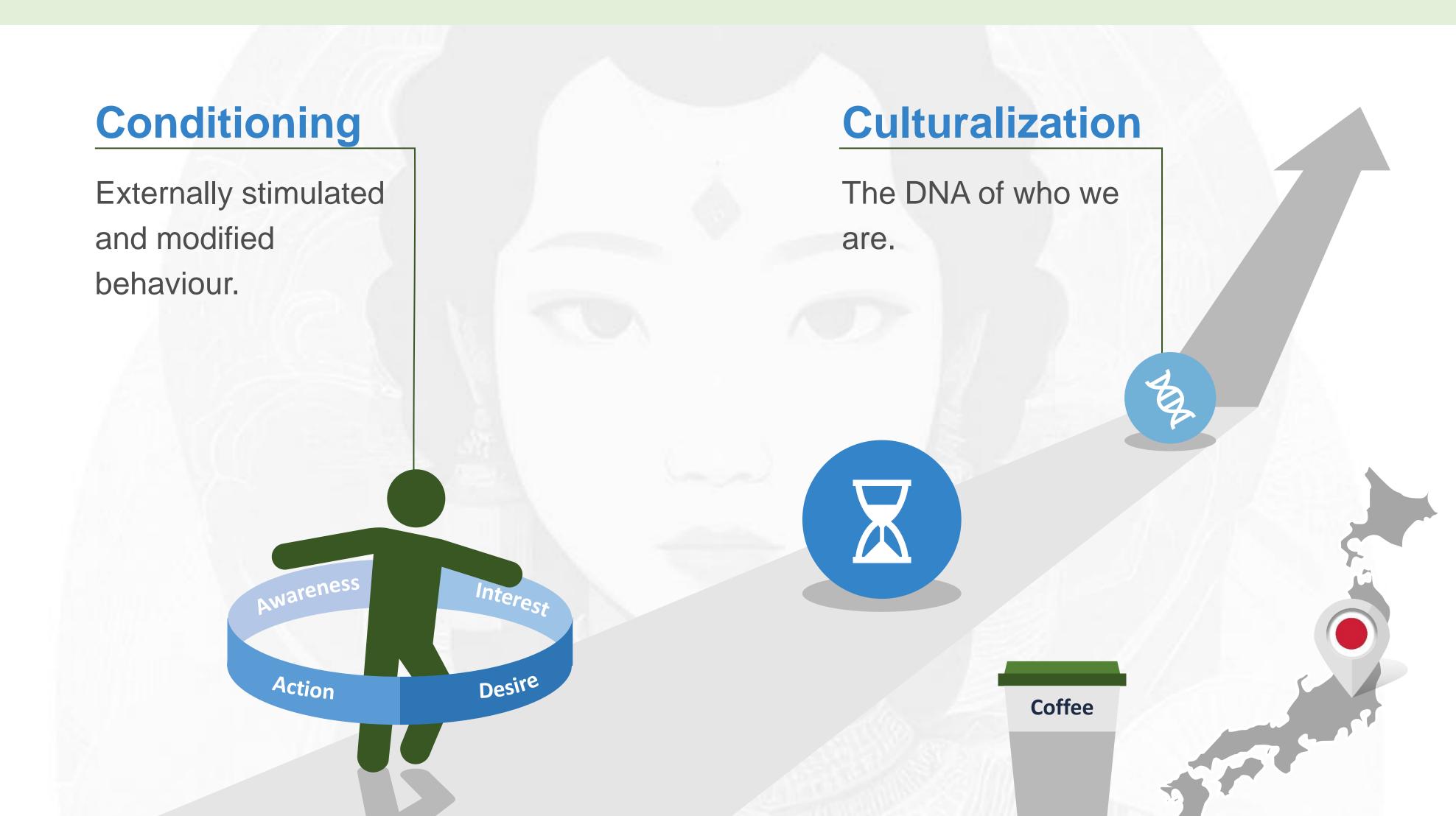


Remember the law of diminishing return

Unless you have unlimited resources, you must plan how to deliver the message. Invest appropriately in technical and procedural control to complement the training.

















Organisation culture can limit the effectiveness of the cyber strategy.



Culture is persistent and will outlast many cyber strategy.



Successful cyber strategy leverages dominant cultural traits instead of against them.

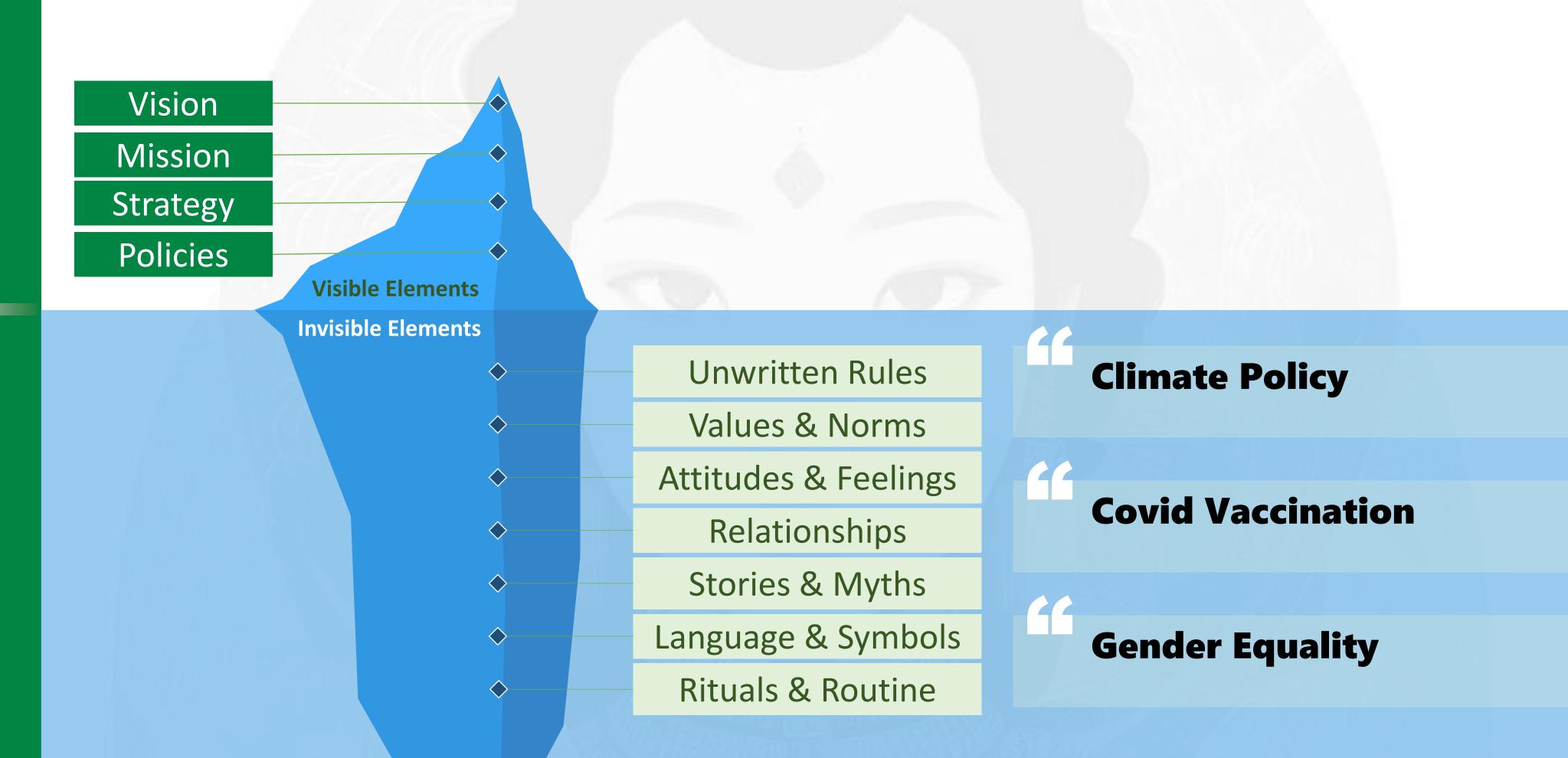
"Culture eats strategy for breakfast"

Peter Drucker





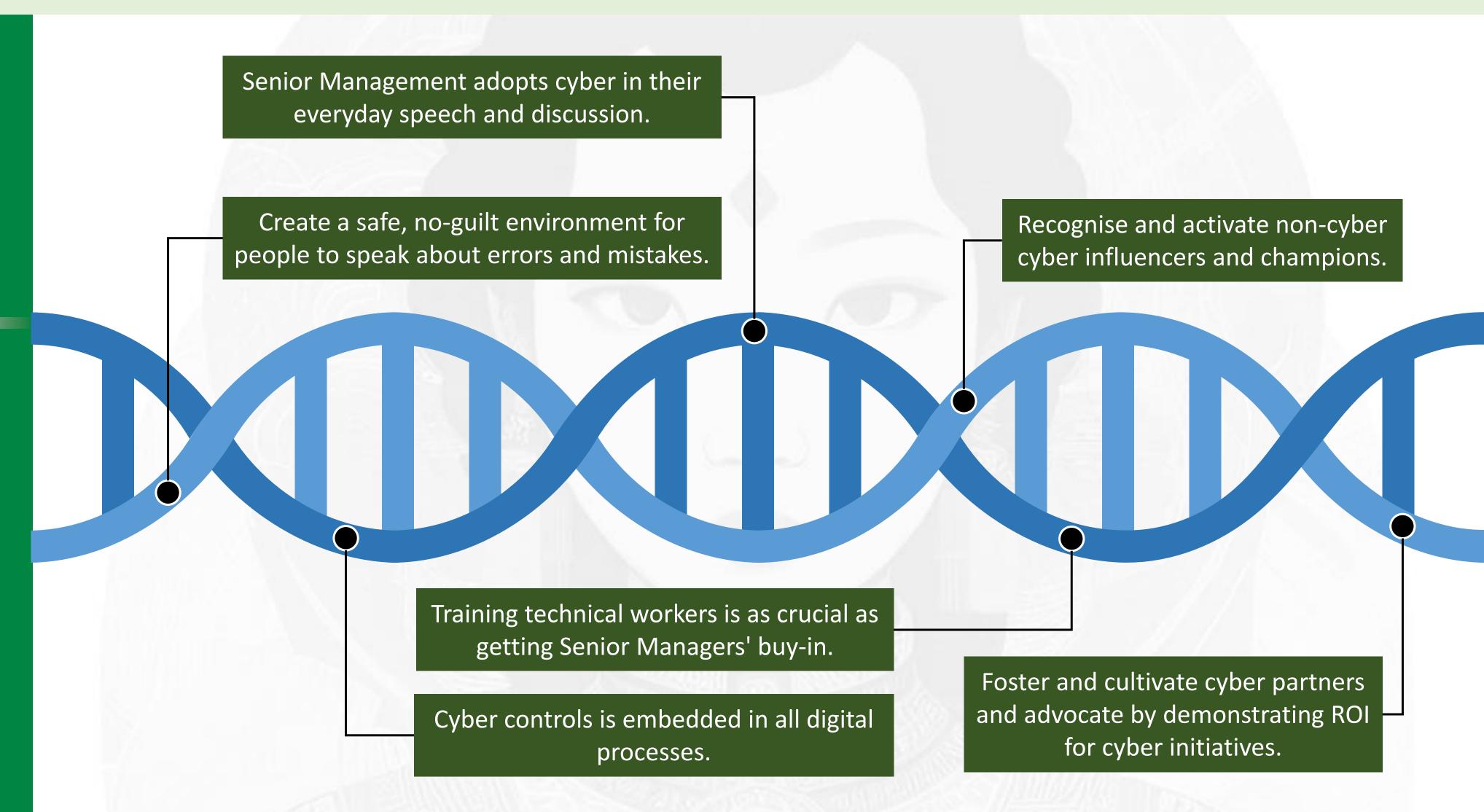




Culture Iceberg Model











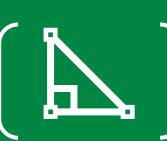






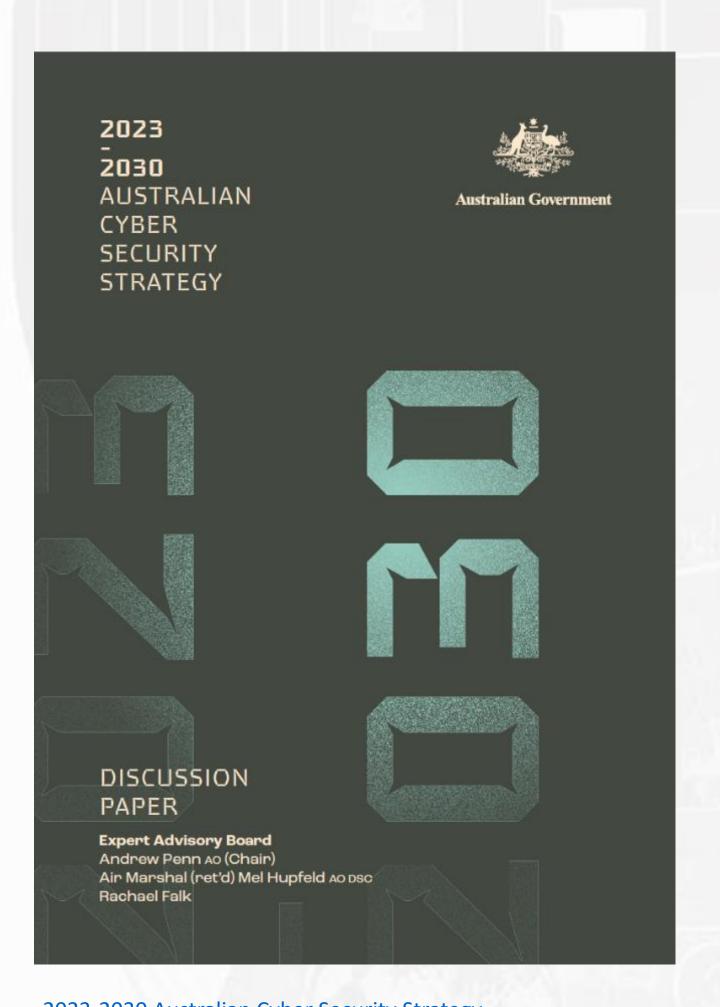
With each step we take, The measure of success grows, Progress sets the pace.











2023-2030 Australian Cyber Security Strategy (homeaffairs.gov.au)

"Most cyber secure nation by 2030"

"Success is going from failure to failure without loss of enthusiasm."

Sir Winston Churchill, Abraham Lincoln "You can't improve what you don't measure"

Peter Drucker













Measured Analytics

Phishing Simulations

- Read Email
- Clicked Link
- Opened Attachment
- Entered Credential

Training Records

- Completion
- Assessment

Incident Report

- Root Cause
- Trending
- Threat environment

A Culture of Feedback

Focus Group

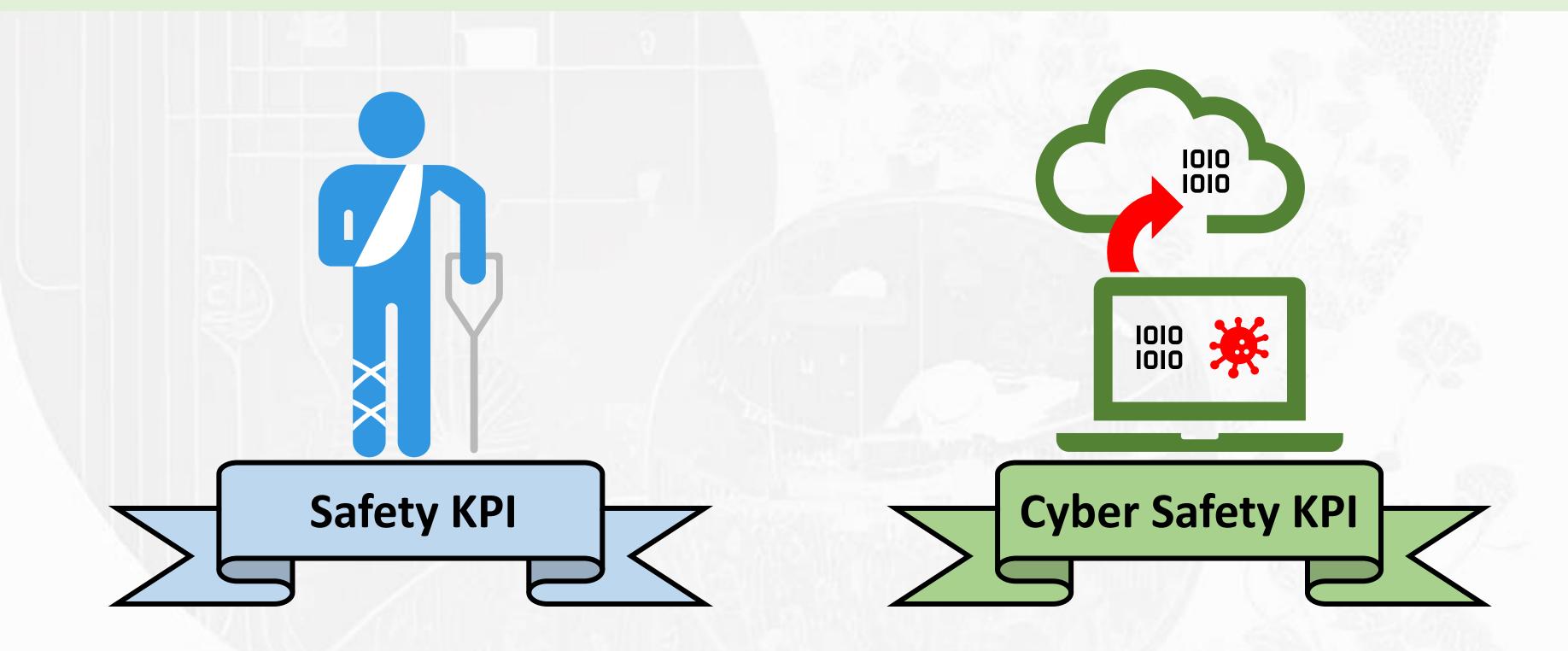
- Perception
- Attitude

Interviews & Survey

- Senior Management
- Non-Cyber Technical Specialist
- Non-Digital Worker

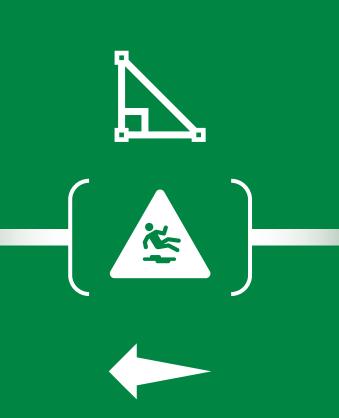


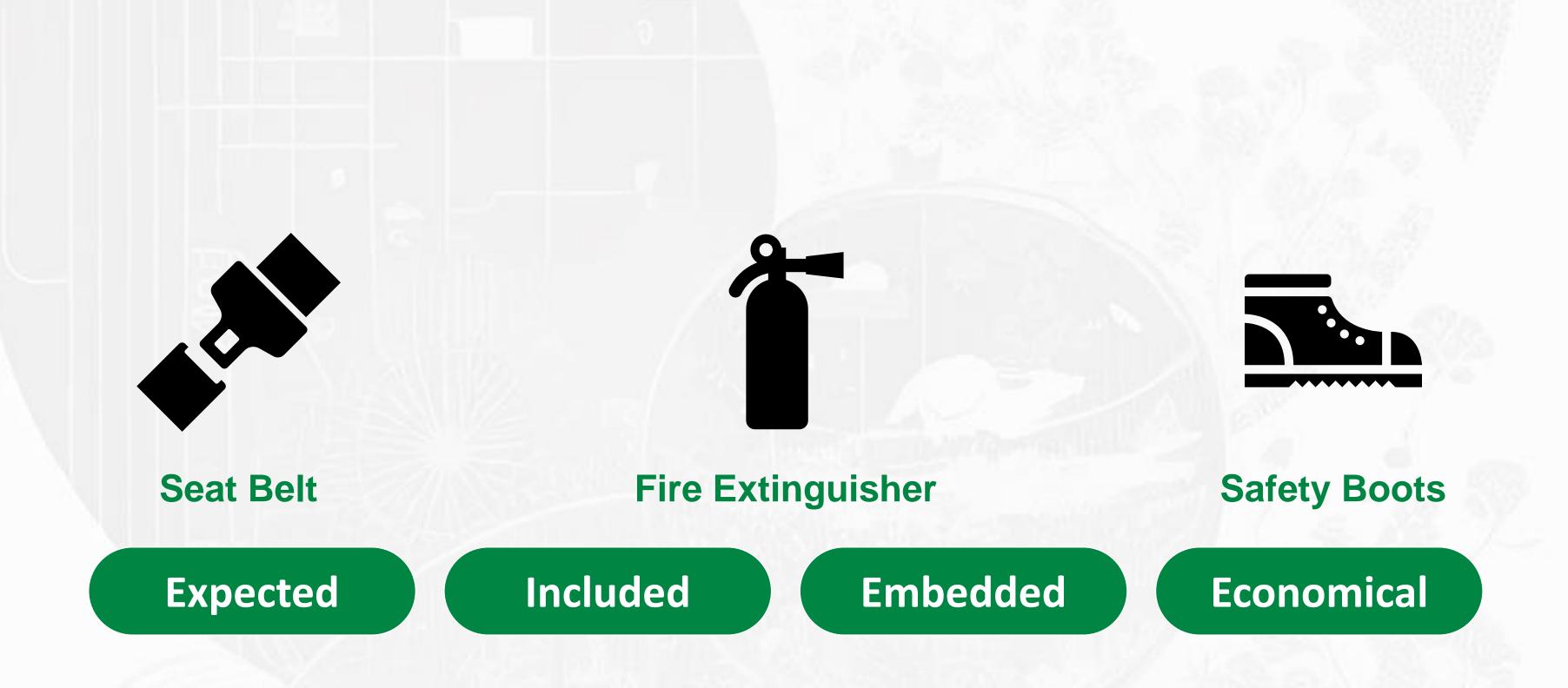




Cyber KPI is recognised as a primary KPI and has financial implications.

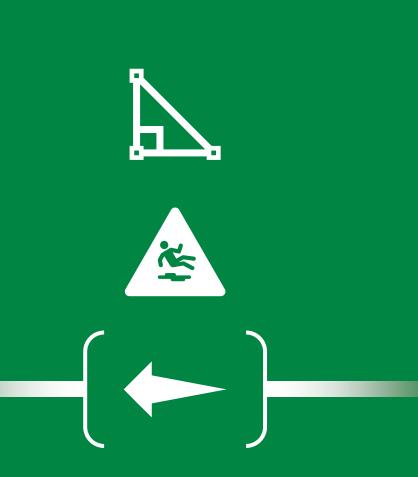






Cyber safeguards are included in everyday processes.







Cyber responsibilities are distributed and maturity is organic in nature.

The Measure of Success Progress





Cyber is nowhere but also Everything Everywhere All at Once.

CISO Perth 2023



Joshua Qwek
Cybersecurity Architect



- The Golden Age of Cyber Awareness
- The Never-ending Quest
- From Awareness to Culturalisation
- The Measure of Success Progress