# Navigating technology, the jobs of the future and government service delivery

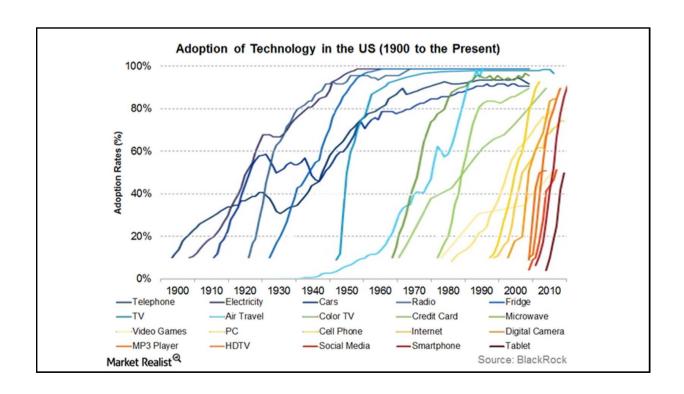
Dr Eva Balan-Vnuk

Executive Director, ICT and Digital Government

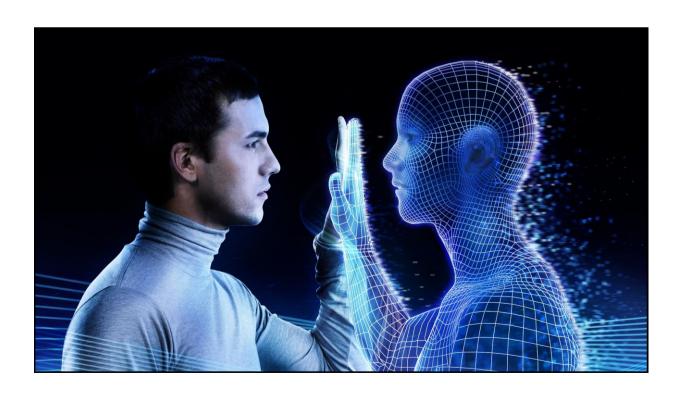
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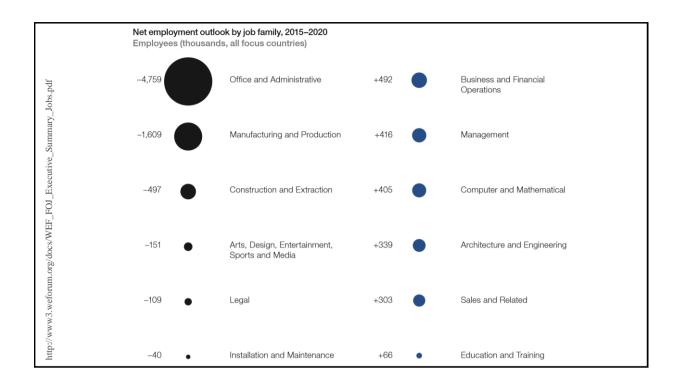


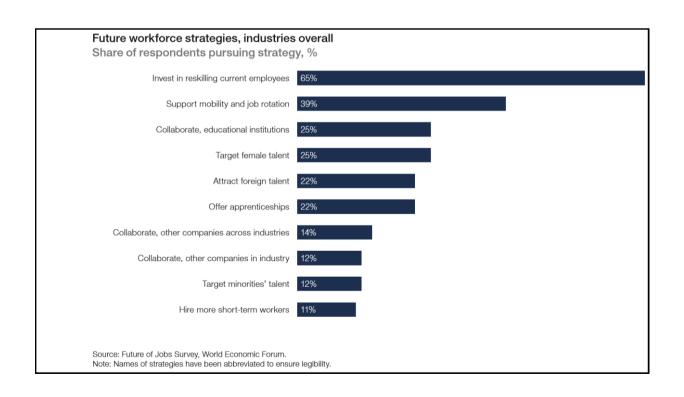




The evo	lution of m	anageme	nt	
Industrial Revolution	Ø*	1112		
Key themes	Steam and machines	Production lines and electricity	Electronics, IT and automation	The Digital Era, cyber, security, physical systems
Opportunity	Organize and allocate resources	Increase efficiency through science (and a little art)	Increased pace & competition: do more with same or less	Accelerate everything, increase competition – unlikely sources, and continual disruption
The role of manager	The Coordinator	The Inspector	The Accelerator	The Transformer
	1784	1870	1969	2016







# Which jobs have a future? (US Census Bureau data analysis)

Approx. 60% of jobs require "non-routine" capabilities:

- Problem solving
- Communication
- Creativity
- Empathy
- Agility...

Cognitive

Manual

Routine	Non-routine	
Office assistant Sales agent X-ray technicians	Managers Engineers Health care	
Assembly line Mechanics	Hospitality Security Maintenance	

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# Top 10 skills

# World Economic Forum

### in 2020

- 1. Complex Problem Solving
- Critical Thinking
- Creativity
- 4. People Management
- 5. Coordinating with Others
- 6. Emotional Intelligence
- 7. Judgment and Decision Making
- 8. Service Orientation
- 9. Negotiation
- 10. Cognitive Flexibility

### in 2015

- 1. Complex Problem Solving
- Coordinating with Others
- 3. People Management
- 4. Critical Thinking
- 5. Negotiation
- 6. Quality Control
- Service Orientation
- 8. Judgment and Decision Making
- 9. Active Listening
- 10. Creativity



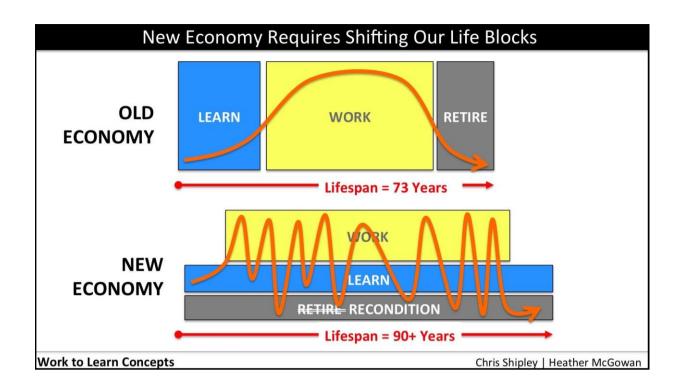




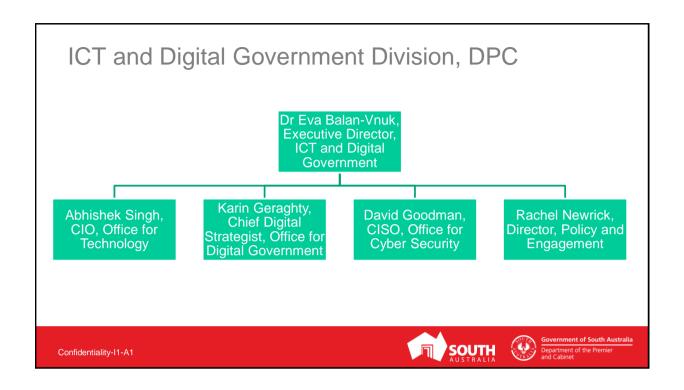
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## Building the Bridge: Mindset, skill set, tool set

### ICT view is often:

- Provider centric
- ICT assets & lifecycles
- Products
- BAU
- Stability
- Consistency
- Risk mitigation
- Technical skills
- Expertise
- Local scale



Digital moves us to:

- Customer centric
- Mature market
- Services
- Innovation
- Agility
- Differentiation
- Opportunity
- · People skills
- Learning
- Global scale

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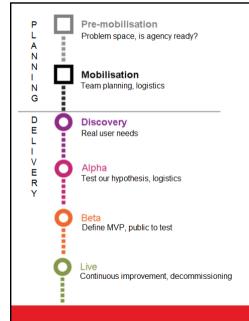
## A Mindset Shift Professor Carol Dweck Mindset: the new psychology of success Fixed Growth Avoid challenges Embrace challenges Give up easily Persist in the face of setbacks See effort as pointless See efforts as a path to mastery Ignore useful negative feedback Learn from criticism Feel threatened by the success Feel lessons and inspiration in of others the successes of others. Consider where you would place yourself currently. Now think about what you can do to release your growth mindset.

# **First Attempt** Learning

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User Centric Design: UCD tool kit offers guidance to iterative and co-design approaches

- 1. Ensures the right problem is being addressed
- Prepares the multi-disciplinary team to begin the UCD delivery process
- 3. Research real user needs & find opportunities for transformation
- 4. Test hypotheses by rapid prototyping & testing.
- 5. Validate you are building the "right thing" before building it
- 6. Build the minimum viable product (MVP) & allow the users to trial
- 7. Continuous improvements & decommission service

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UCD Toolkit available from: https://digital.sa.gov.au/ucd





# D3 DIGITAL CHALLENGE INITIATIVE About D3 Challenges The current D3 Challenge Previous D3 Challenges

# The current D3 Challenge

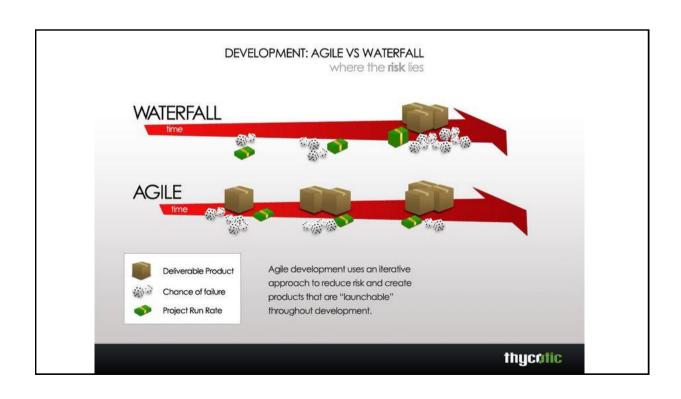


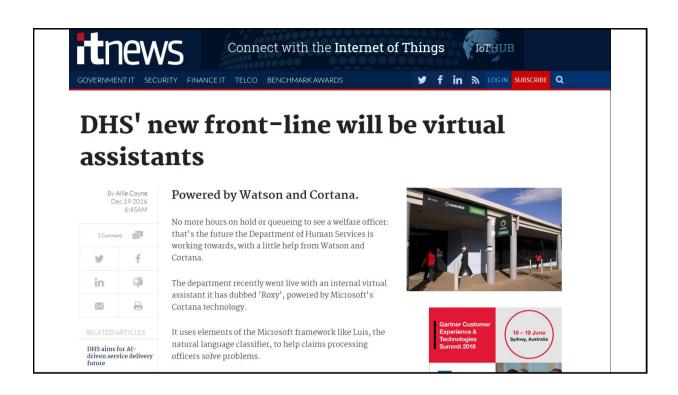


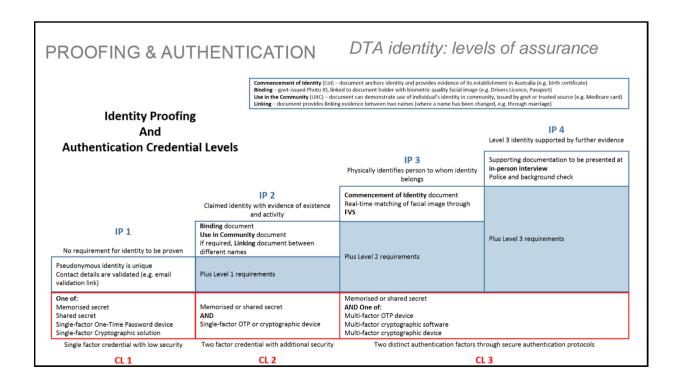
# Healthy Kids Menu

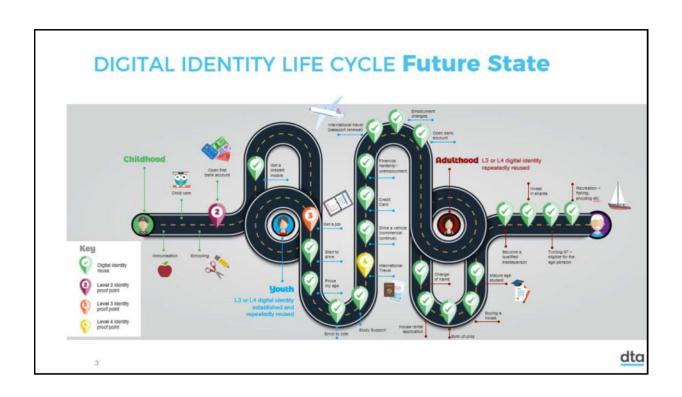
Challenge #6 'Healthy Kids Menu' aims to explore ways to increase the amount of healthy food choices available for children in a way that benefits both families and venues.

Raising happy, healthy children is the goal for all parents. Many South Australian diets are high in sugar, salt and fats, and our children's are no exception. Growing bodies do not need high amounts of these nutrients and children should be encouraged to eat more from important food groups such as dairy, fruit and vegetables. Children's eating patterns are essential to their health: what they see and are exposed to shapes lifelong eating behaviours and food preferences. Unhealthy food options are readily available, yet healthy choices are more difficult to find. This can have a negative impact on our children's health.











### Top 10 skills World Economic Forum in 2020 in 2015 Complex Problem Solving Critical Thinking Creativity People Management Coordinating with Others Complex Problem Solving Coordinating with Others 2. 2. 3. 4. 5. 6. 7. 8. 9. People Management Critical Thinking Negotiation Emotional Intelligence **Quality Control** Judgment and Decision Making Service Orientation Service Orientation Judgment and Decision Making 9. 10. Negotiation Cognitive Flexibility Active Listening Creativity Confidentiality-I1-A1

