

# *The impact of future technology*

## On your organisation and workplace

Amanda Reid, Principal Consultant

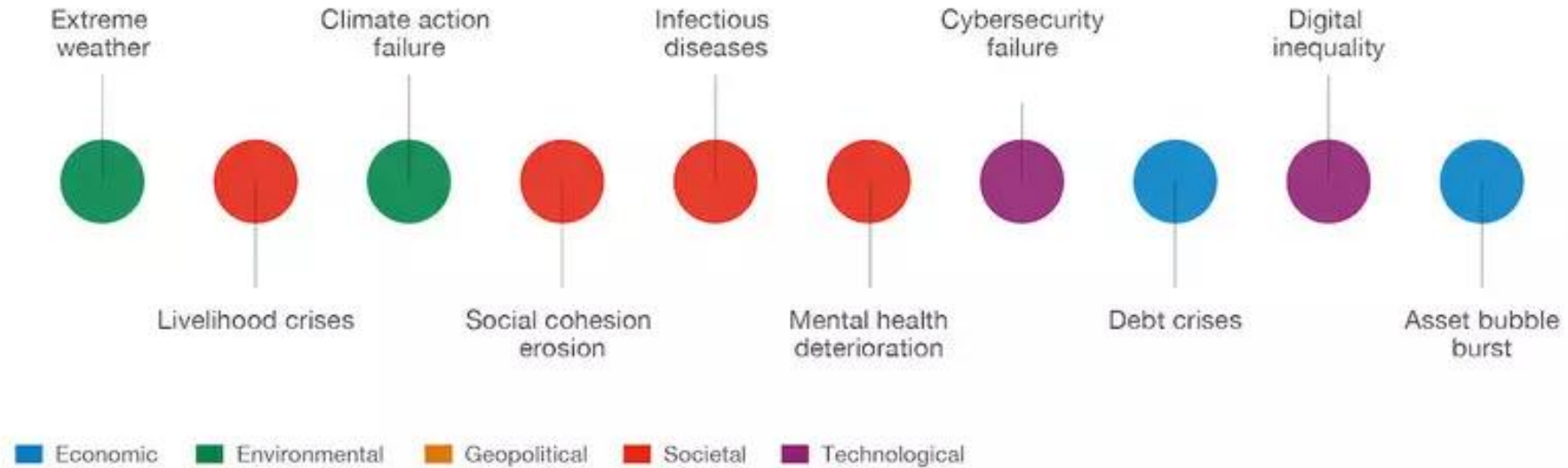


*Making sense of the numbers*



# Top Short-Term Global Risks

Over the next 0-2 years

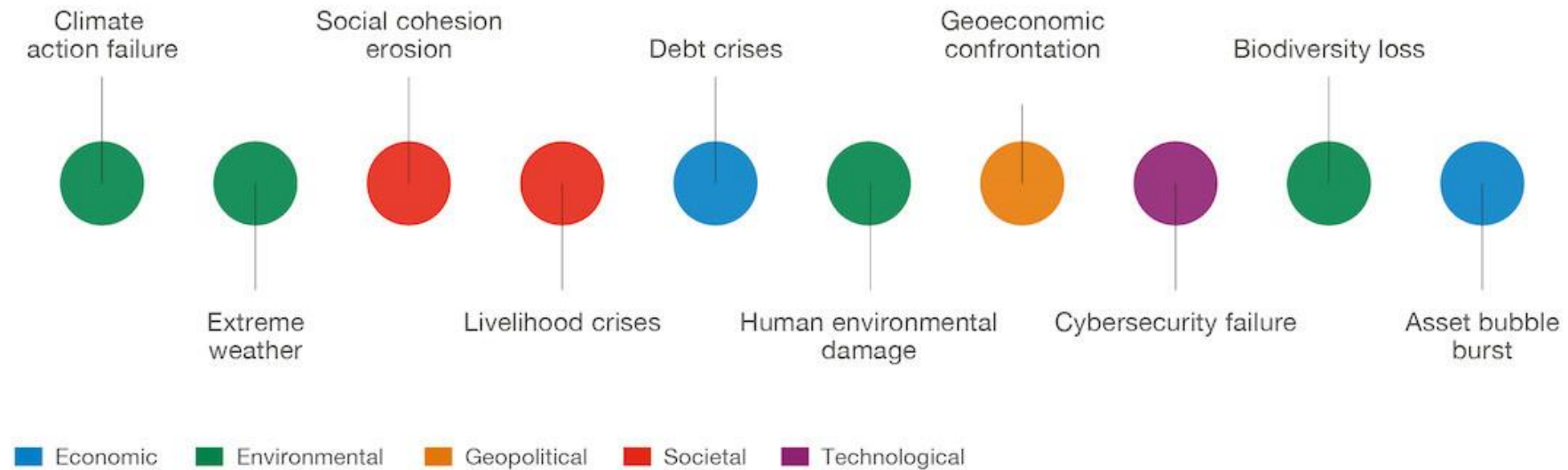


Source: World Economic Forum Global Risks Report 2022

# Top Medium-Term Global Risks



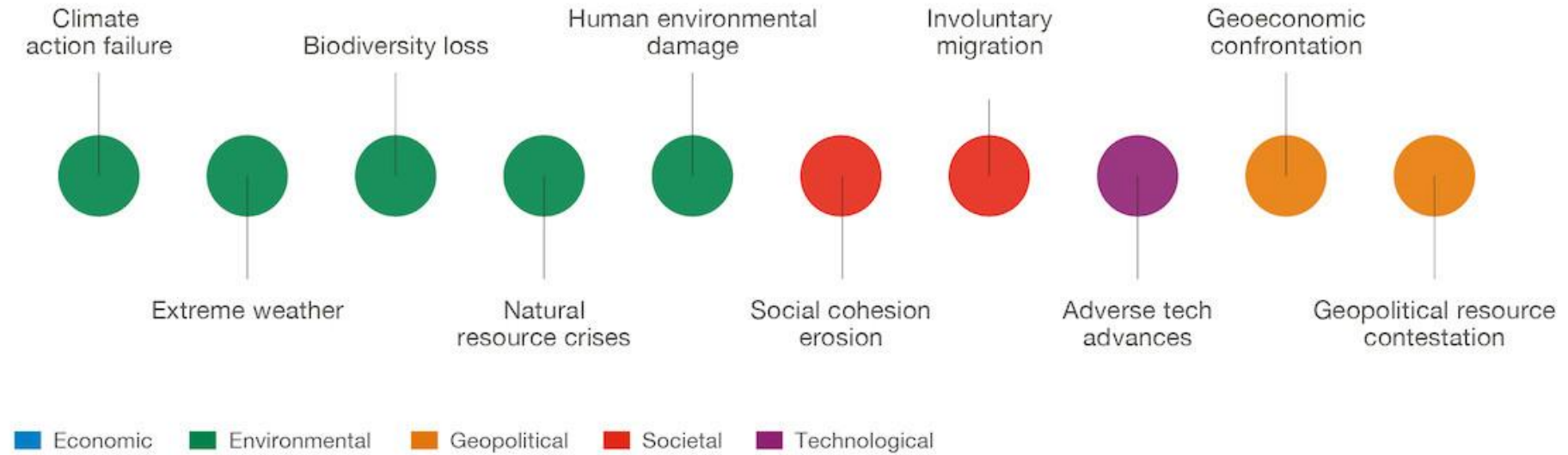
Over the next 2-5 years



Source: World Economic Forum Global Risks Report 2022

# Top Long-Term Global Risks

Over the next 5-10 years



Source: World Economic Forum Global Risks Report 2022

# Areas of risk and opportunity

- Cybersecurity
- Automation and digitisation
- Big data
- Lifelong learning and skill development.

# Cybersecurity

“Cybersecurity is the practice of protecting systems, networks, and programs from digital attacks. These cyberattacks are usually aimed at accessing, changing, or destroying sensitive information; extorting money from users; or interrupting normal business processes.” CISCO

# Cybersecurity issues

- Phishing
- Malware
- Ransomware
- Social engineering



# Cybersecurity solutions





- Be suspicious of all emails – recognise those with dubious email addresses (like Warren Buffet's gmail) and attachments
- Never give over personal or workplace information, particularly financial, requested through emails
- Ensure your internet security software filters malicious emails
- Have a good, offline backup of all critical files
- If you do experience a data breach, this is very likely also a privacy breach – report it to the Privacy Commissioner within 72 hours.



# Automation and digitisation



## Navigating the next industrial revolution

Revolution	Year	Information	
	1	1784	Steam, water, mechanical production equipment
	2	1870	Division of labour, electricity, mass production
	3	1969	Electronics, IT, automated production
	4	?	Cyber-physical systems

# Automation and digitisation

## ↗ Increasing demand

1	Data Analysts and Scientists
2	AI and Machine Learning Specialists
3	Big Data Specialists
4	Digital Marketing and Strategy Specialists
5	Process Automation Specialists
6	Business Development Professionals
7	Digital Transformation Specialists
8	Information Security Analysts
9	Software and Applications Developers
10	Internet of Things Specialists
11	Project Managers
12	Business Services and Administration Managers
13	Database and Network Professionals
14	Robotics Engineers
15	Strategic Advisors
16	Management and Organization Analysts
17	FinTech Engineers
18	Mechanics and Machinery Repairers
19	Organizational Development Specialists
20	Risk Management Specialists

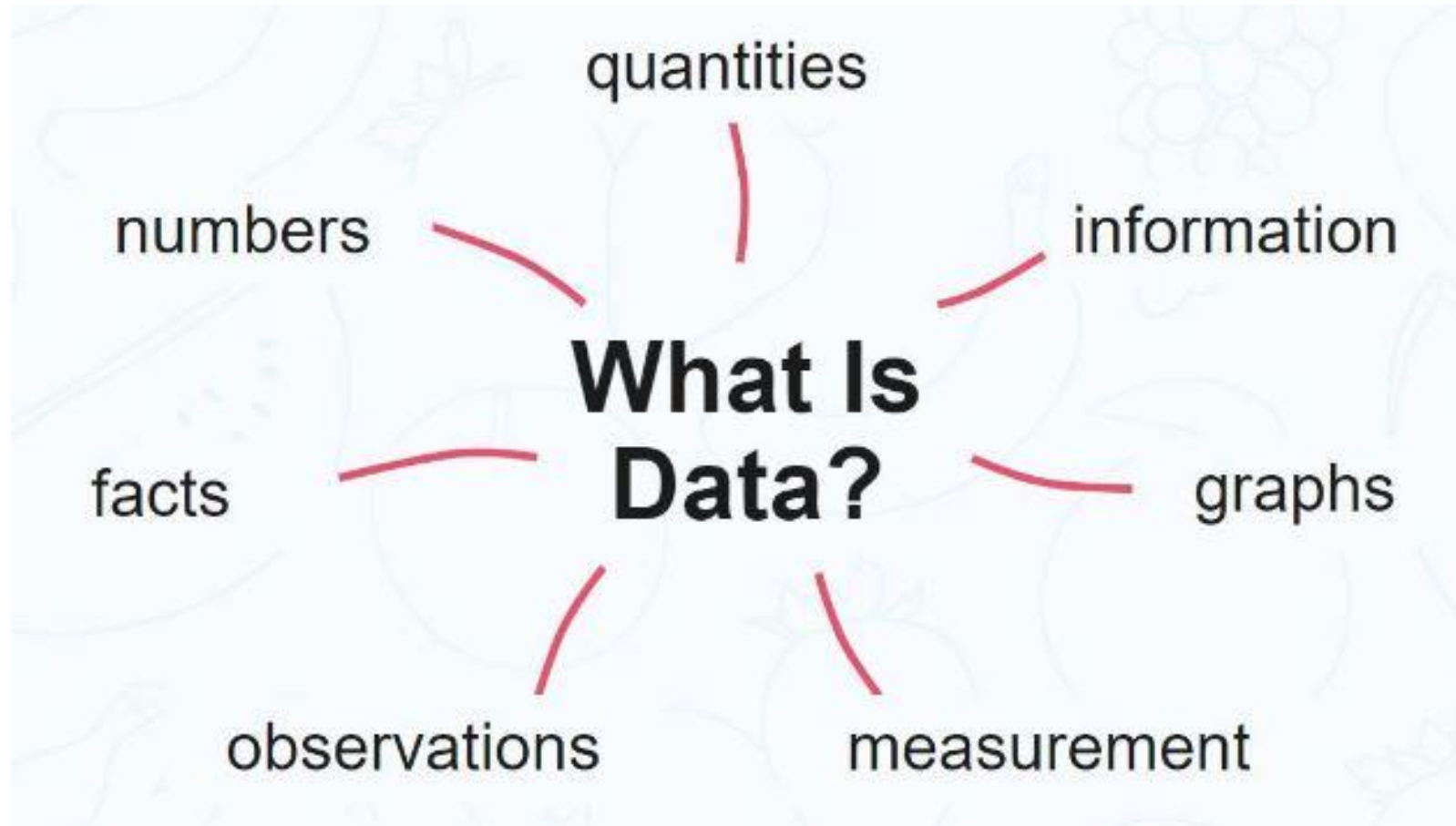
## ↘ Decreasing demand

1	Data Entry Clerks
2	Administrative and Executive Secretaries
3	Accounting, Bookkeeping and Payroll Clerks
4	Accountants and Auditors
5	Assembly and Factory Workers
6	Business Services and Administration Managers
7	Client Information and Customer Service Workers
8	General and Operations Managers
9	Mechanics and Machinery Repairers
10	Material-Recording and Stock-Keeping Clerks
11	Financial Analysts
12	Postal Service Clerks
13	Sales Rep., Wholesale and Manuf., Tech. and Sci.Products
14	Relationship Managers
15	Bank Tellers and Related Clerks
16	Door-To-Door Sales, News and Street Vendors
17	Electronics and Telecoms Installers and Repairers
18	Human Resources Specialists
19	Training and Development Specialists
20	Construction Laborers

Source

Future of Jobs Survey 2020, World Economic Forum.

# Big data



# Big data



# Big data

- Budgeting
- Fundraising
- Monitoring activities
- Reporting.

# Skills and lifelong learning



## Top 10 skills of 2025

- Analytical thinking and innovation
- Active learning and learning strategies
- Complex problem-solving
- Critical thinking and analysis
- Creativity, originality and initiative
- Leadership and social influence
- Technology use, monitoring and control
- Technology design and programming
- Resilience, stress tolerance and flexibility
- Reasoning, problem-solving and ideation

- Type of skill
- Problem-solving
  - Self-management
  - Working with people
  - Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

# Pātai - Questions



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