

# AI, Ethics and Finance: A Whistle-stop Tour

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## Other hats:

- BCS Digital Divide Specialist Group, BCS Women and Community Support Committee
- ForHumanity Fellow
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- Supporter of Women in AI Ethics

1

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The workshop will explore:

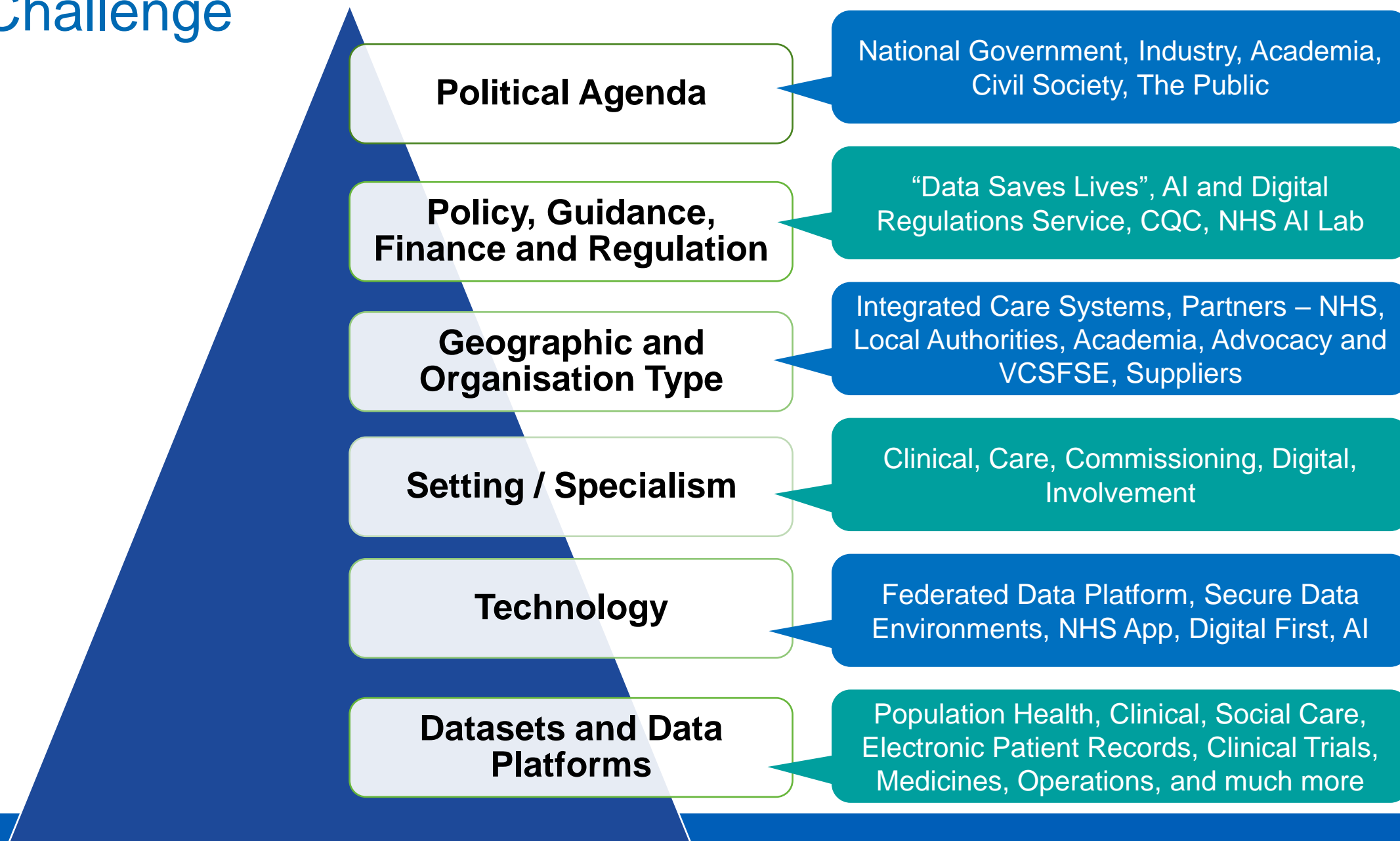
- a definition for AI and AI ethics
- why AI ethics matters to finance, procurement and commissioning
- some ethical challenges facing teams in this fast-moving technology space
- practical tips to develop ethical guardrails for AI initiatives

## Definition – ‘Sensemaking’

*'How do we make sense of the world so we can act in it' ... (knowing enough to make a contextually appropriate decision)*

- D. Snowden, 2008

# The Challenge



# Agenda

## AI and AI ethics

- Key definitions
- Key components
- Ethical decision-making

1

## Finance & ethical choices

- You, Professions, System
- Opportunities
- Challenges

2

## Your AI ethics toolkit

- Create some guardrails

3



**Finance needs ethical guardrails for AI**

# AI and AI ethics

- Key definitions
- Key components
- Some challenges – part 1
- Ethical decision-making



# What is Artificial Intelligence (AI)? A definition

## Gov.uk

Use of digital technology to create systems capable of performing tasks commonly thought to require intelligence.

### Generally:

- Machines [programmed to] use statistics to find patterns in large amounts of data
- Ability to perform repetitive tasks with [large amounts of] data without the need for constant human guidance



# What is AI ethics? A definition

## Gov.uk

AI ethics is a set of values, principles, and techniques that employ widely accepted standards to guide moral conduct in the development and use of AI systems.

## Ethical Choices...*a community example*

- Ethical choice is awareness of a set of options to be made in the context of automated and intelligent systems, using a set of principles and rules concerning moral obligations and regards for the rights of humans and for nature, which may be specified by a given profession or group.
- The result, outcome or judgment is made using a shared moral framework, or set of moral principles based upon the entity's Code of Ethics.  
- ForHumanity



# Ethics: Examples of Principles and Values

## Core Principles from Biomedical Ethics

- Respect for [patient] autonomy,
- Beneficence (“the patient's interests come first”)
- Non-maleficence (“above all do no harm”)
- Justice

## Institute of Chartered Accountants in England and Wales (ICAEW)

- Integrity
- Objectivity
- Professional Competence and Due Care
- Confidentiality
- Professional Behaviour

## Gov.uk Data Design Values

- **Respect** the dignity of individuals
- **Connect** with each other sincerely, openly, and inclusively
- **Care** for the wellbeing of all
- **Protect** the priorities of social values, justice, and public interest

## Gov.uk AI Actionable Principles

- Fairness
- Accountability
- Sustainability
- Transparency

## Applying ethics in our work

“It's difficult to know how we, as individuals, can act in ways that are fair and ethical when the broader circumstances are so manifestly unfair.”

- Polly Mitchell, ethicist

# Some challenges - part 1

**The Guardian**  
Newspaper of the year

**Artificial intelligence (AI)**

This article is more than **5 months old**

## US eating disorder helpline takes down AI chatbot over harmful advice

National Eating Disorder Association has also been under criticism for firing four employees in March who formed a union



Source: <https://www.theguardian.com/technology/2023/may/31/eating-disorder-hotline-union-ai-chatbot-harm>


EXCLUSIVE

STAT+

## UnitedHealth discontinues a controversial brand amid scrutiny of algorithmic care denials

By [Bob Herman](#) and [Casey Ross](#) Oct. 23, 2023

Reprints



MARK LENNIHAN/AP

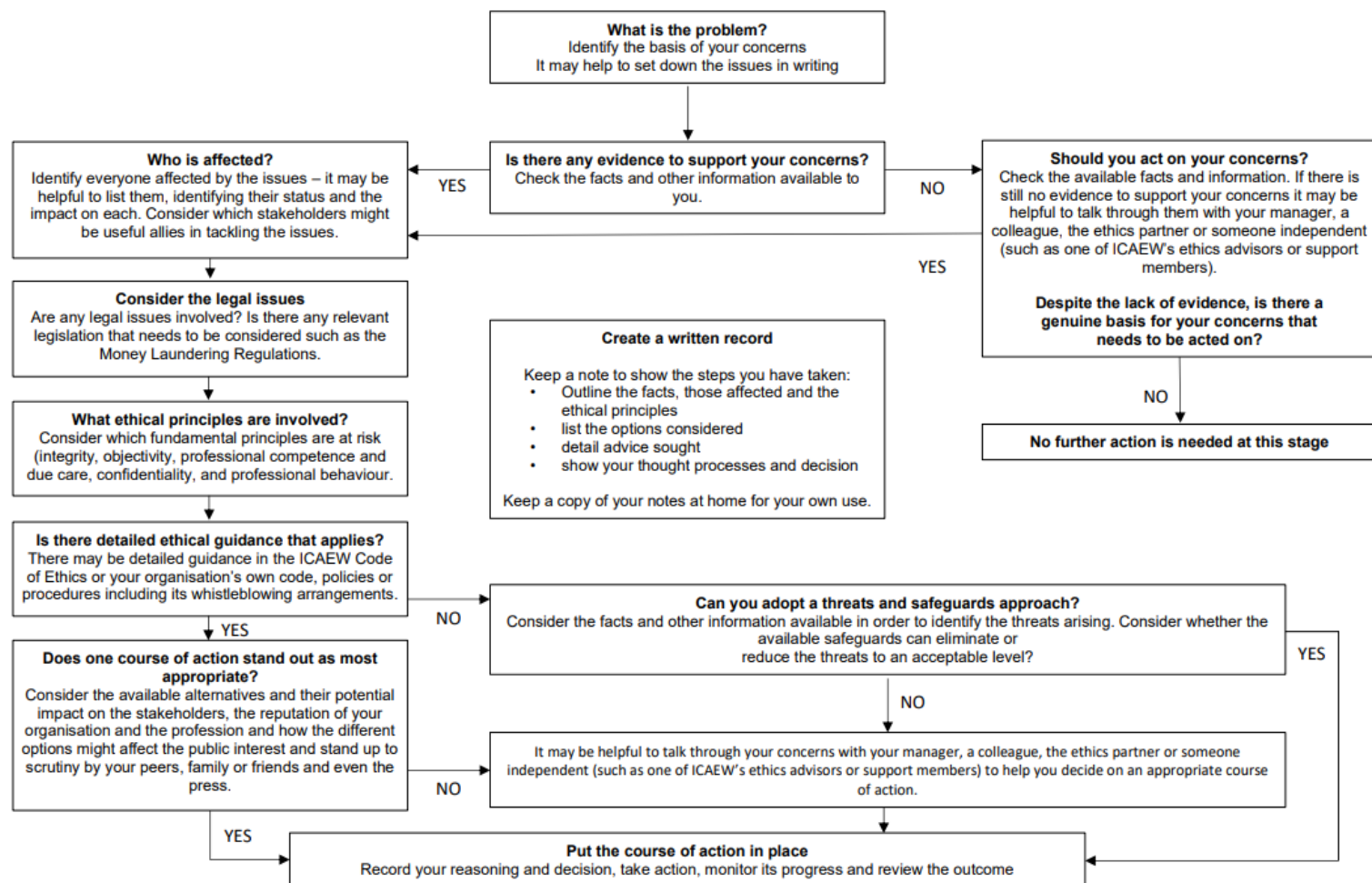
UnitedHealth Group and Optum are getting rid of the name of their tech-driven care management company just months after the company faced congressional criticism over the use of its algorithms to cut off payments for patients' care.

Discontinuing the NaviHealth name is part of a broader rebranding of Optum's division that provides services to people at home and in post-acute facilities. The move also encapsulates how UnitedHealth is pushing to control every piece of patient care outside of the hospital

Source: <https://www.statnews.com/2023/10/23/unitedhealth-optum-navihealth-rebranding-algorithm/>

# Example 1 - ICAEW Ethical Decision-Making Framework

1. Gather the relevant facts and identify the problems
2. Identify the affected parties
3. Consider the ethical issues involved
4. Identify which fundamental principles are affected
5. Refer to the employing organisation's internal procedures
6. Consider and evaluate alternative courses of action
7. Implement the course of action and monitor its progress



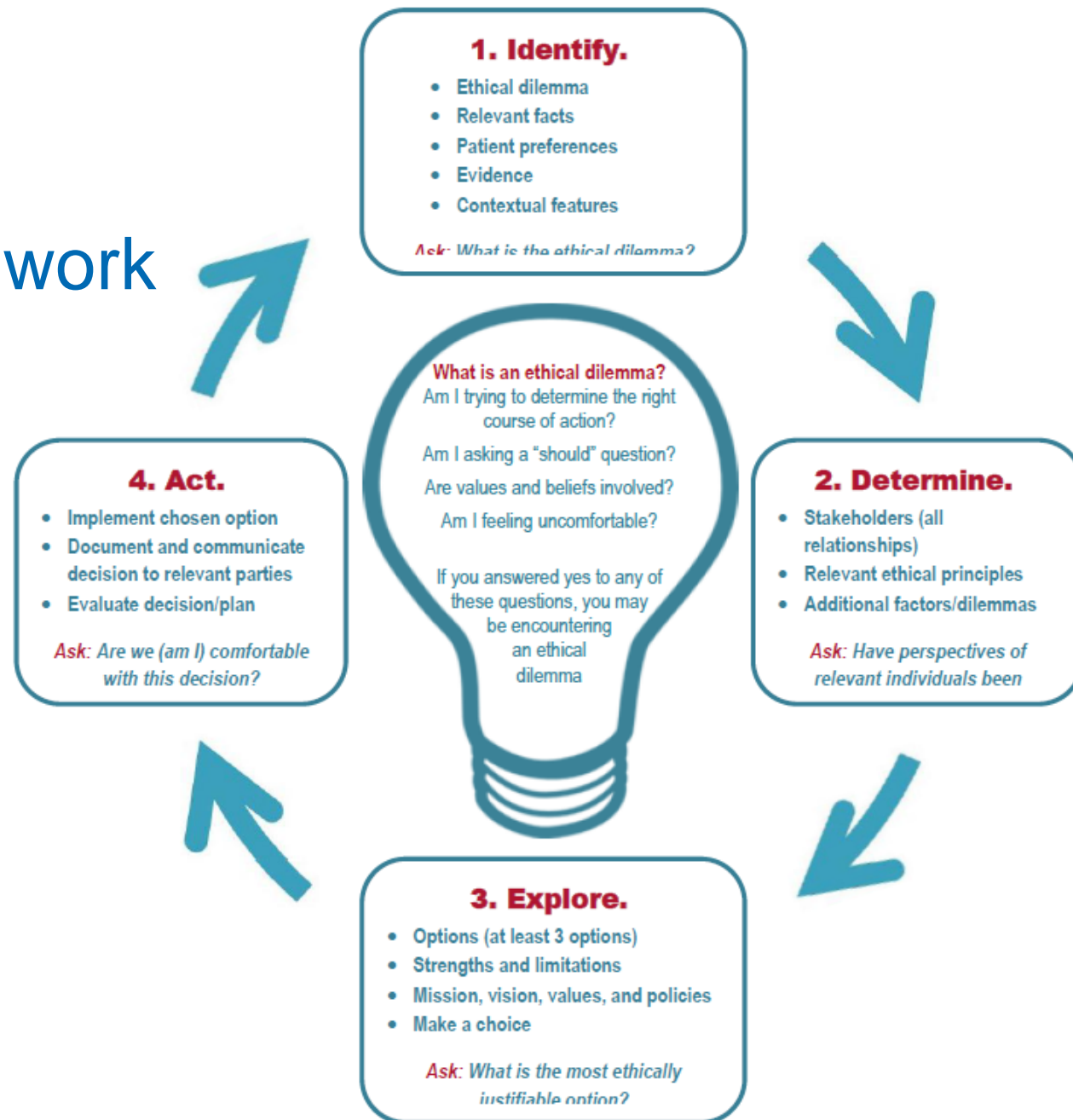
# Example 2 - Southern Health, Canada Ethical Decision-Making Framework

1. Identify

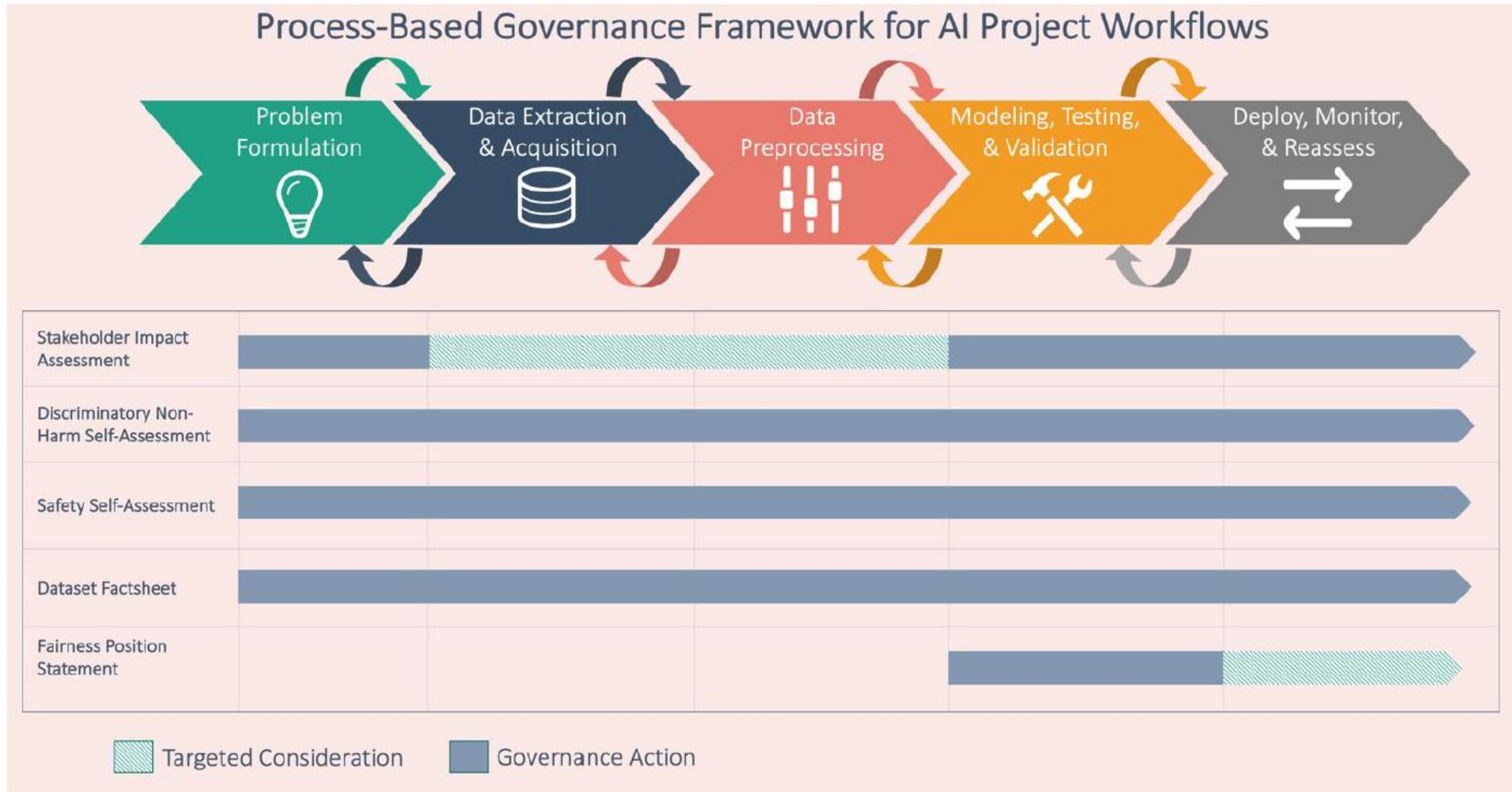
2. Determine

3. Explore

4. Act



# Example 3 - Ethical AI Governance Framework



Source: pg38, Leslie, D., (2019). [Understanding artificial intelligence ethics and, safety: A guide for the responsible design and implementation of AI systems in the public sector](#). The Alan Turing Institute.

# Ethical choices

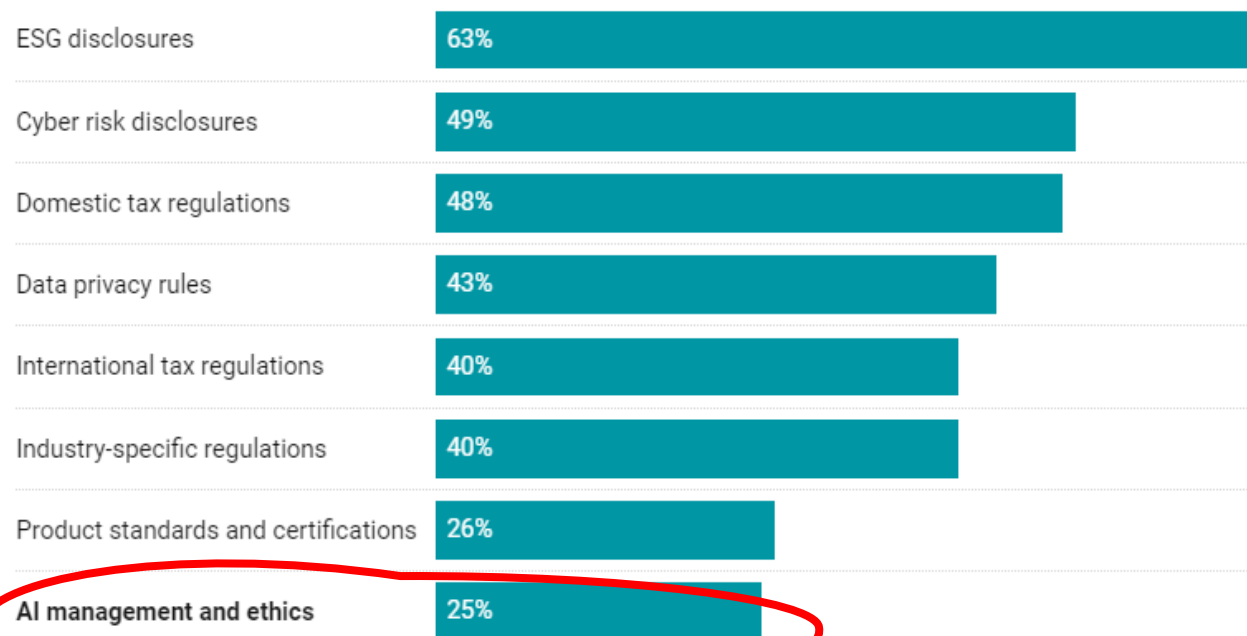
- Challenges – part 2
- Ethical choices
- You, Professions, The System



# Some challenges – part 2

## Regulatory Concerns Among CFOs

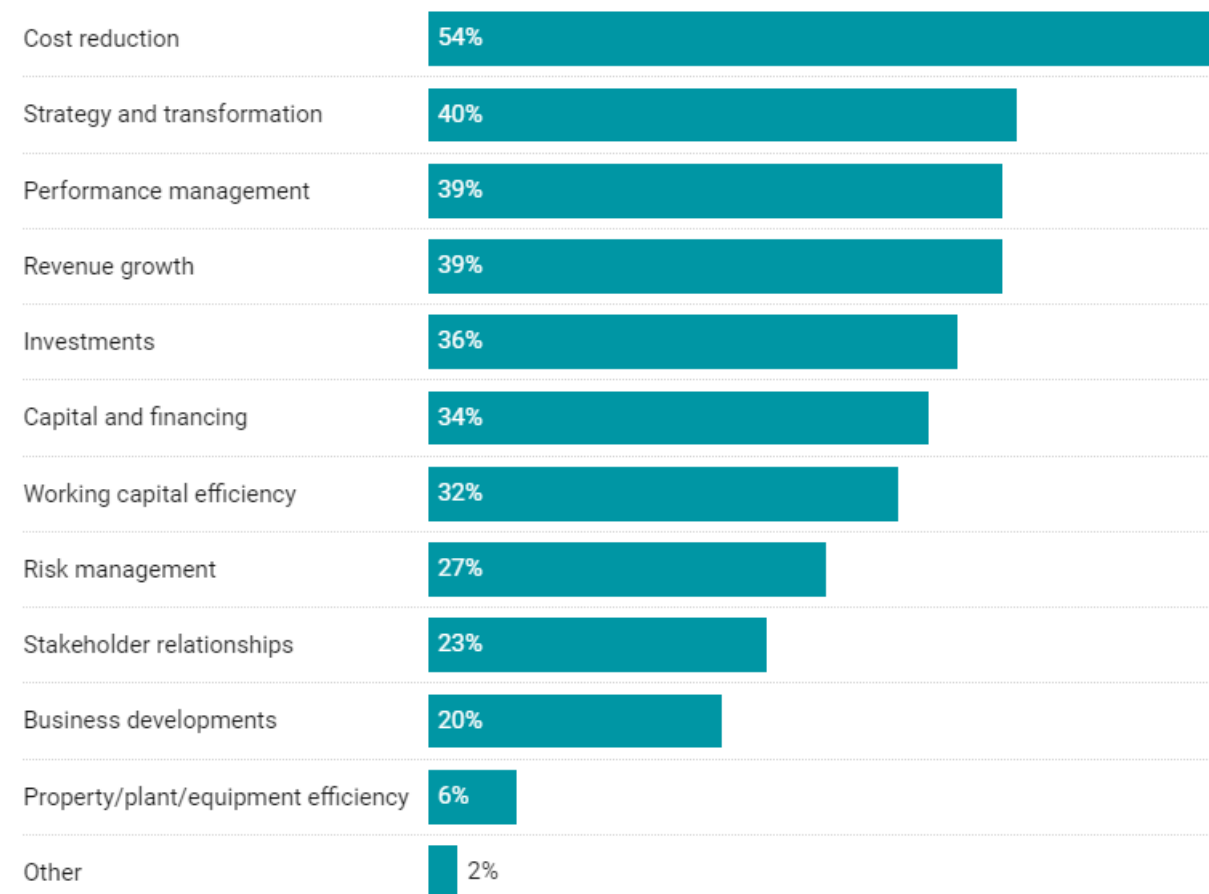
Among future regulations, only a quarter of CFOs say they are focused on AI management and ethics.



Source: Deloitte • Get the data • Created with Datawrapper

## Where CEOs Want Their CFOs to Focus

CEOs are instructing their CFOs to focus on lots of things at once, data shows.



Source: Deloitte • Get the data • Created with Datawrapper

Source: <https://www.cfo.com/news/only-25-of-cfos-are-prepping-for-ai-management-and-ethics-regulations-wee/686791/>



# Ready for ethical choices?

As protectors of the public purse in commissioning, procurement and sustainable finance in an era of continuous change...





**Finance needs ethical guardrails for AI**

# An AI ethics toolkit

- Scoping and sizing
- Create some guardrails



# How might we scope and size the challenges?

1

## *The System*

### **Aligned priorities?**

- Speed, and scale
- Safe, and effective
- The backlog and health inequalities

### **Readiness?**

- £ - Funding and/or investment priority
- People - Current capacity, upskilling, changing structures
- Process/ways of working – shared design, decision and prioritisation frameworks
- Tooling – AI registers

2

## *Your Profession*

### **Explore the ‘essential’**

- AI ethics knowledge, related skills and methods
- Professional good practice
- Codes of conduct
- National policy guidance

### **Check in with leadership and organisational development**

- What exists
- Gaps as opportunities
- Share learning and grow awareness

3

## *You*

### **Get started**

- Is this on your development plan?
- Where are you now
- What might you need
- Who might help on your journey

### **Go further**

- Design a personal toolkit
- Share, build, align and develop with colleagues *and communities*

# Start Now – A toolkit with ethical guardrails for AI

## What's your biggest concern?



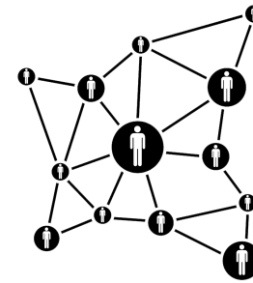
- Start where you are
- Check out the resources
- Identify any knowledge and skills needs
- Draft some learning objectives

## What's the ask in your role?



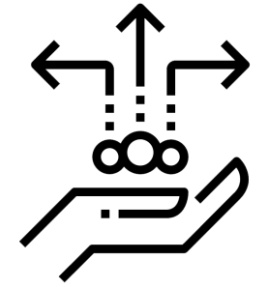
- Look at the strategies and plans
- Focus on strategic and clinical priorities in the programme pipeline
- Update your needs

## Where can you go for support?



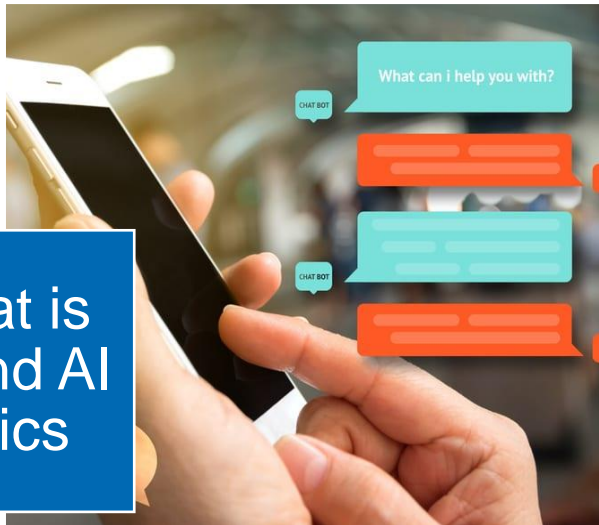
- Get out there and connect
- Identify networks and groups
- Discuss with your colleagues
- Update the team/department's needs aligned to system plans

## What can you do to fill gaps?



- Share your observations with the leadership
- Explore options on how to address observed gaps

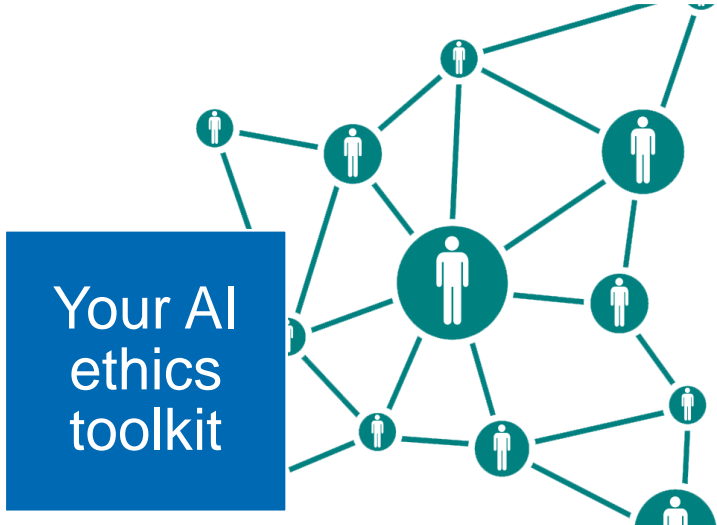
# A recap



What is AI and AI ethics



Ethical choices & Finance



Your AI ethics toolkit

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**Start on your Ethical  
AI Toolkit!**

# Please connect and keep in touch...

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