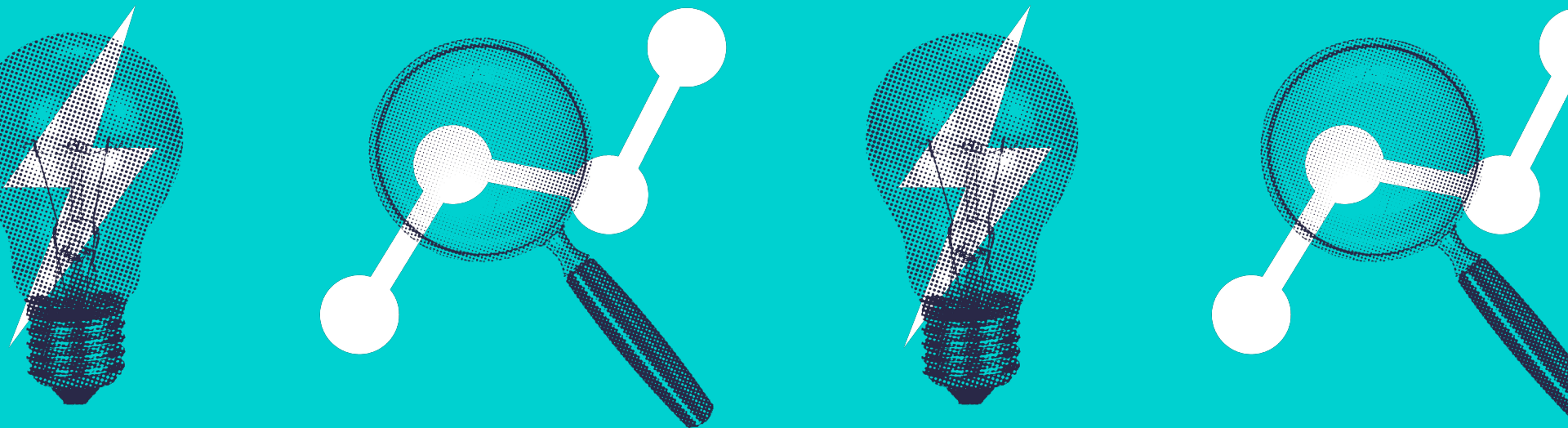


Building an AI Assurance Ecosystem

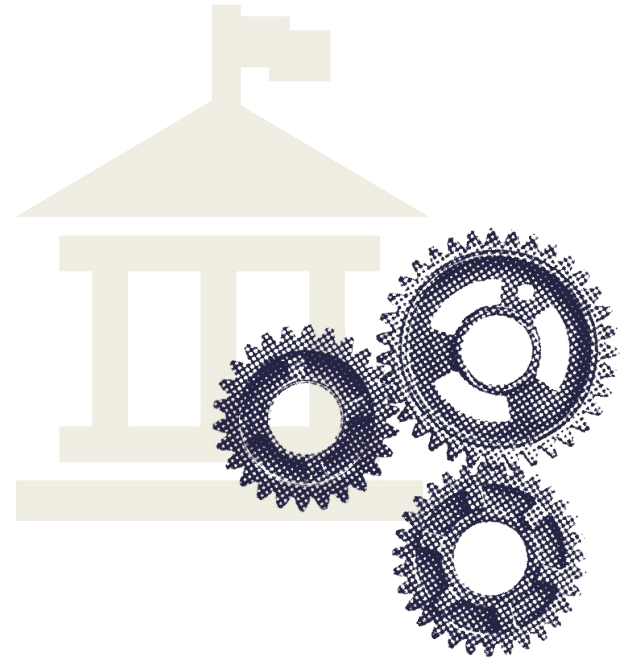
Ghazi Ahamat - UK Centre for Data Ethics and Innovation

2 June 2022

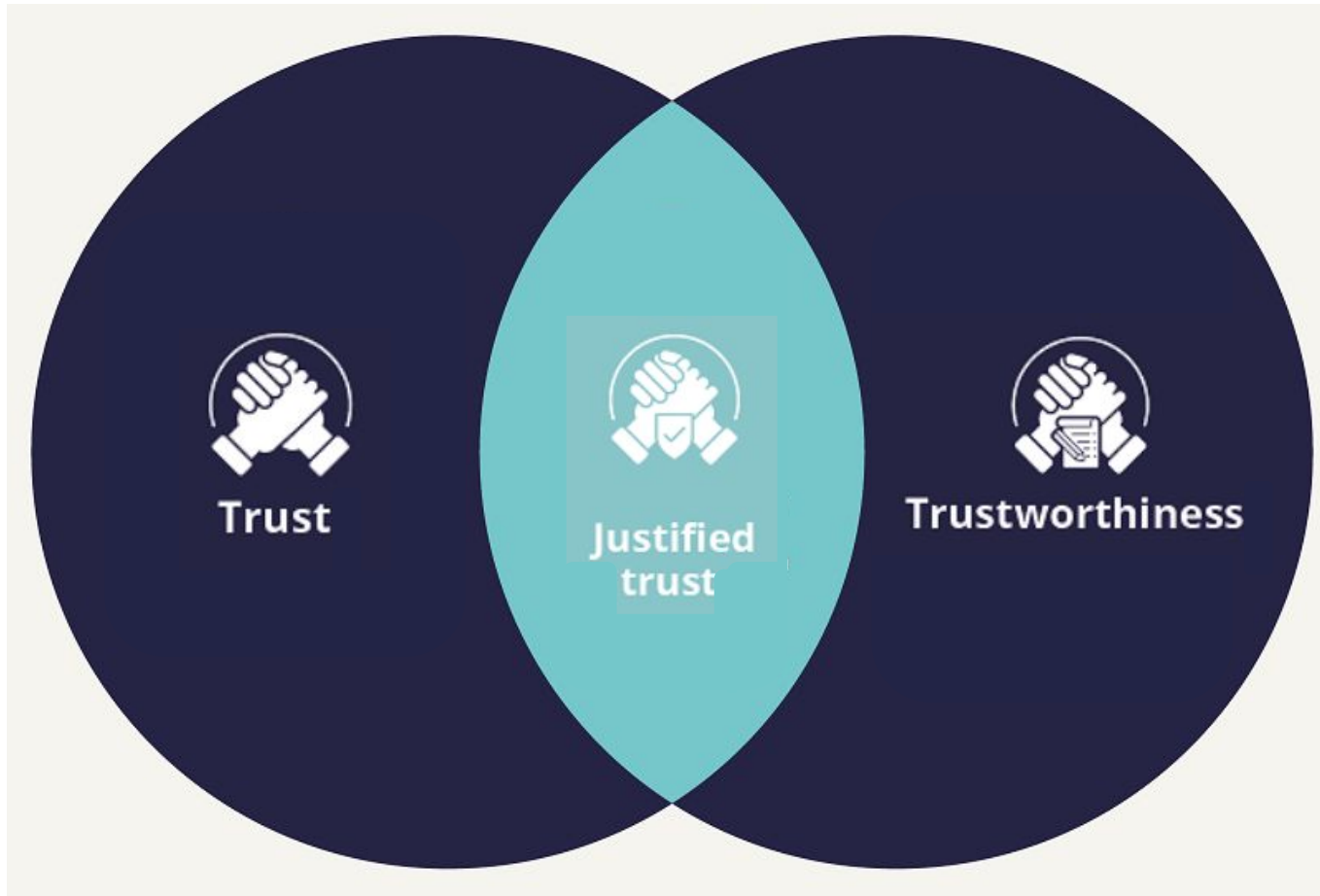


About the CDEI

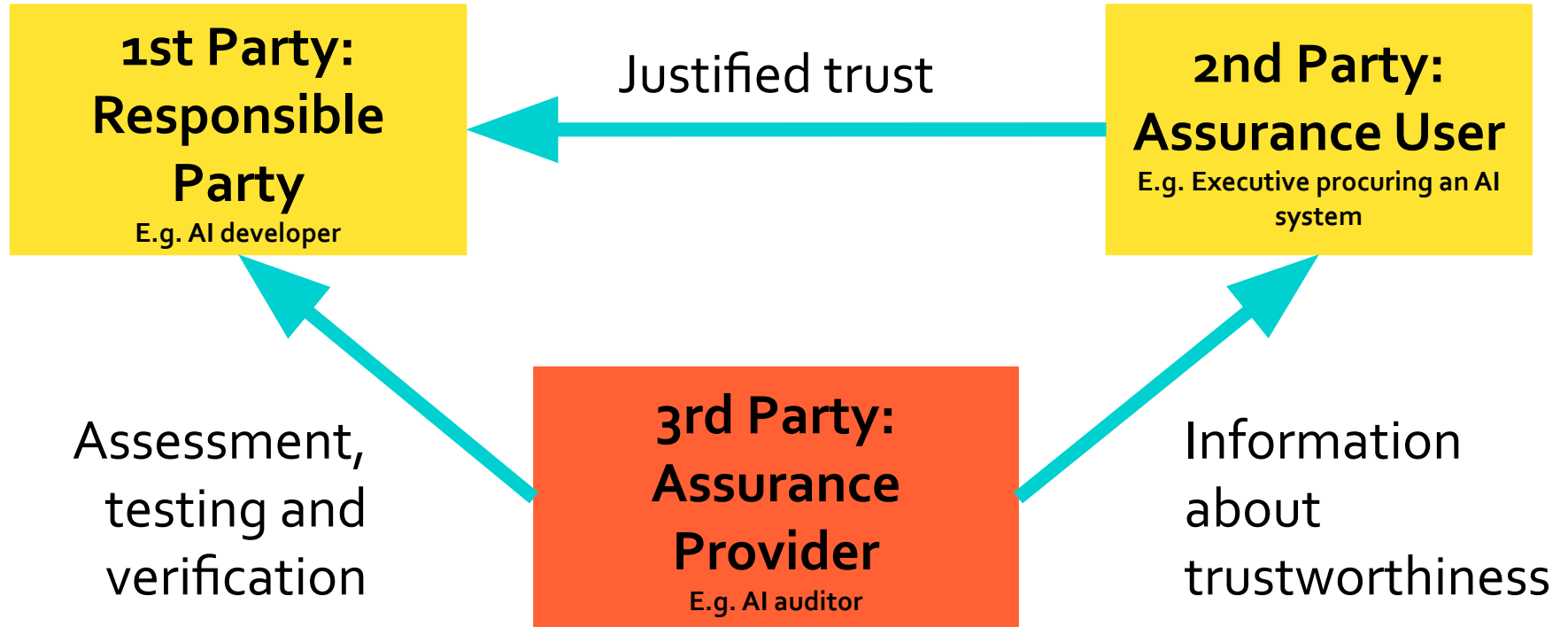
- The first in the world of its kind, the Centre for Data Ethics and Innovation (CDEI) leads the UK government's work to enable trustworthy innovation using data and AI.
- It is vital that the public can **trust** innovation in data and AI. To earn that trust, the CDEI works with **partners** across the public sector, industry and academia, in the UK and internationally, to identify and tackle barriers to responsible innovation.



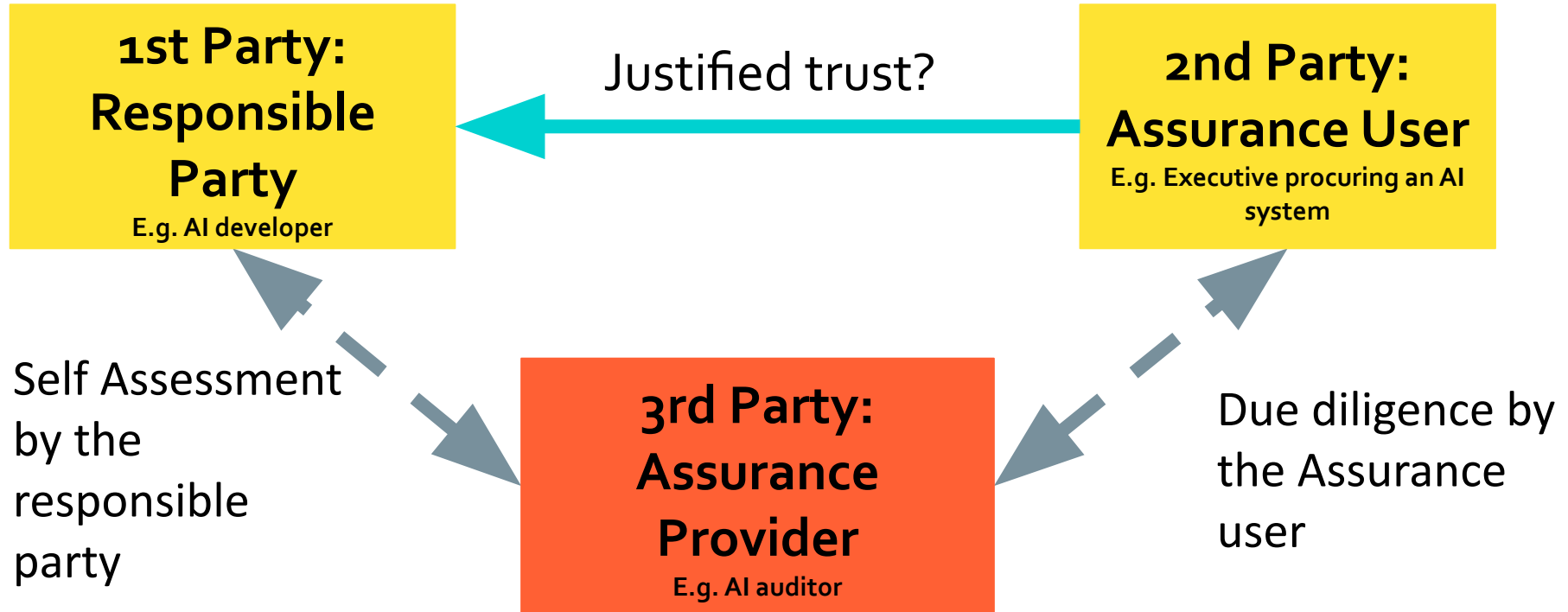
To unlock the transformative potential of AI, we will need justified trust



Assurance builds justified trust



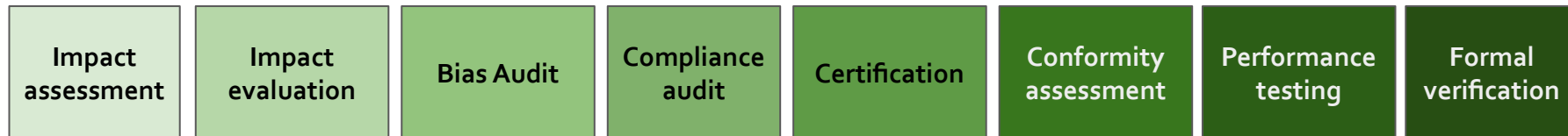
First & Second Party Assurance



AI Assurance provides a range of tools to build this trust

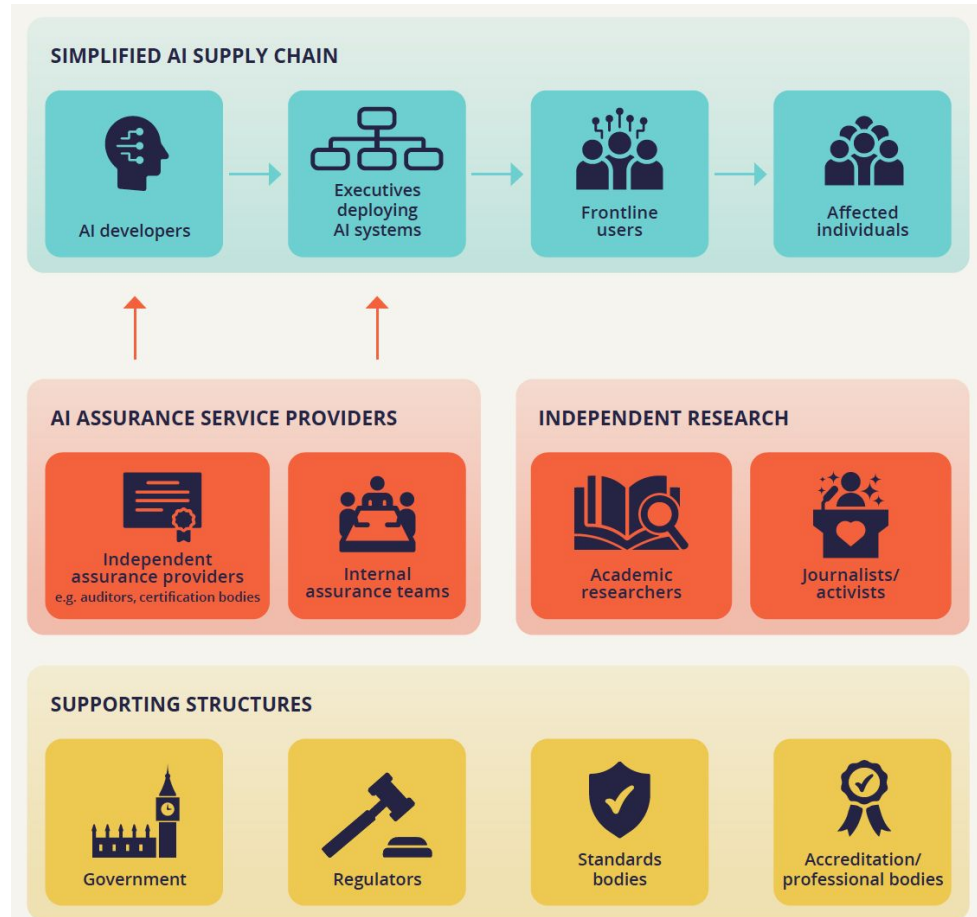
More ambiguous, unknown

More explicit, certain



There is no silver bullet for AI Assurance - we will need the full toolbox to enable trustworthy AI adoption.

Key actors in the AI assurance ecosystem



Roadmap Key Steps



Assurance relies on commonly accepted standards at different levels:

- 1) **Foundational standards** around common terminology and concepts
- 2) **Process standards** for risk management, quality management, and other good practice
- 3) **Measurement standards** (metrology) for common ways to measure performance and risk
- 4) **Performance standards** for minimum levels of acceptable outcomes, eg in safety regulations
- 5) **Audit/reporting standards** are required for reliable information that is reported consistently
- 6) **Professional standards** are necessary to accredit service providers

Without standards of some kind, we have advice, rather than assurance (though this is also useful).