

# Trustworthy and Ethical Assurance Platform

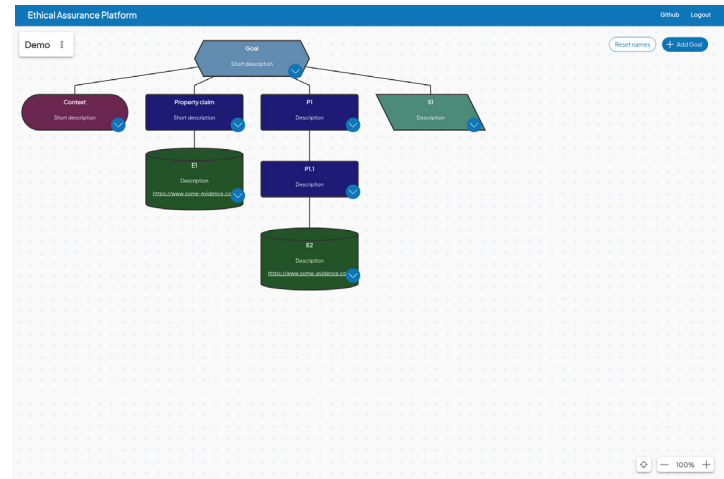


## From Principles to Practice: A Collaborative Approach to Building Trust

The Trustworthy and Ethical Assurance (TEA) Platform is an innovative, open-source tool designed to help you build trust through transparent governance and accessible communication with stakeholders.

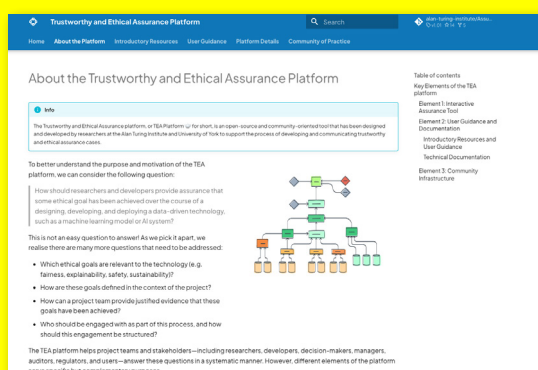
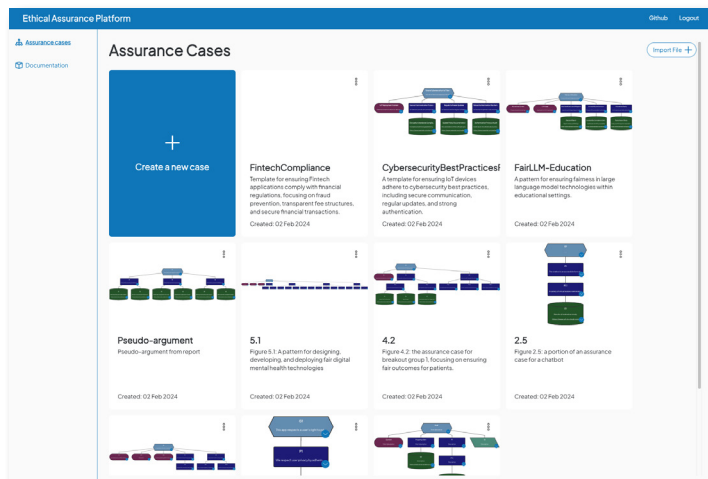
TEA simplifies the process of assurance by supporting you with the creation, management, and communication of assurance cases—accessible and structured arguments that justify claims made about your system or technology.

Whether you use our freely available skills and training, engage with the wider community, or just

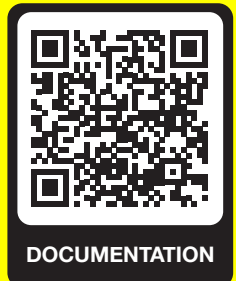


use the tool as part of your own internal governance, the TEA platform helps you navigate the complexities of responsible research and innovation.

We wish to make the process of building assurance cases open accessible to as many people as possible, including developers, researchers, regulators, project managers, and more. By promoting a structured and reproducible set of practices, TEA facilitates community-focused knowledge transfer and participatory design of shared tools and practices.



**Want to try it out for yourself?**  
Check out our documentation.



DOCUMENTATION

## TEA in Practice

CemrgApp is a user-friendly platform developed by a collaborative team of researchers, engineers, and clinicians. It applies statistical, machine learning, and simulation techniques to cardiovascular data, aiming to streamline clinical research and generate automated results.



The TEA platform team and the CemrgApp team are working together to develop an assurance case that focuses on the goal of fairness and health equity—an increasingly important requirement in personalised medicine. The assurance case study discusses core attributes of fairness, including bias mitigation, diversity and inclusivity, non-discrimination, and equitable impact of the system.

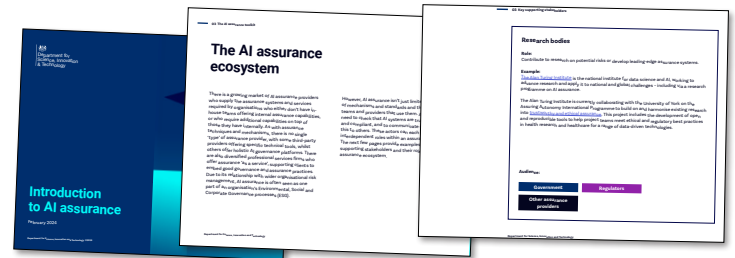


**Do you want to learn more how the TEA platform has been used in research?**

Speak to the research team at our AI UK 2024 stand.

## TEA and the AI Assurance Ecosystem

In February 2024, the UK's Department for Science, Innovation and Technology published 'Introduction to AI Assurance'. This guidance aims to help organisations to “better understand how AI assurance can be implemented to ensure the responsible development and deployment of AI systems”.



Our team have been working closely with DSIT to ensure that our tool is well-equipped to meet the needs of emerging AI regulation. The TEA platform was featured in the above guidance as an example of how different organisations can contribute to a flourishing assurance ecosystem (e.g. research bodies, standards organisations).



**Want to learn more about how assurance is important to AI regulation?**

Read more in this report.

## Trustworthy and Ethical Digital Twins (TEA-DT)

The Trustworthy and Ethical Assurance for Digital Twins (TEA-DT) project addresses the challenge of operationalising ethical principles in digital twin research and development, across the domains of healthcare, infrastructure, and the natural environment.

The project is supported by the Alan Turing Institute and the University of York, alongside the UK's

Responsible Technology Adoption Unit and the AI Standards Hub. Is funded by an award from the UKRI's Arts and Humanities Research Council as part of the BRAID programme.

To learn more about this specific application of the TEA platform, please visit our project page.

**Want to learn more about applying assurance to digital twins?**

Check on our website.



WEBSITE

**Software developer or engineer?**

Check out our repository on GitHub.



GITHUB

### COLLABORATORS



**BRAID**  
Bridging Responsible AI Divides



**UK Research  
and Innovation**

**ASSURING  
AUTONOMY**  
INTERNATIONAL PROGRAMME