



Centre *for*  
Assuring  
Autonomy

# PRAISE

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**Principles-based  
ethics assurance**

# What is PRAISE?

PRAISE is a principles-based ethics assurance framework that helps structure and support ethical arguments for AI and autonomous systems. Following the principles of justice, beneficence, non-maleficence, and respect for human autonomy - with the principle of transparency playing a supporting role - it allows human decision-makers to justify, communicate, and challenge the ethical acceptability of Artificial Intelligence (AI) and autonomous systems (AS) in a given socio-technical context.

PRAISE provides a clear argument pattern to structure and support human deliberation and judgement in the development, deployment and regulation of AI/AS. Used in this way, the PRAISE framework can help human decision-makers to justify, communicate, and challenge confidence that it would be ethically acceptable to deploy and use a specific system in a specific real-world context.

## Who is PRAISE for?

Our PRAISE guidance is aimed at three primary audiences:

### Safety Engineers

PRAISE enables safety engineers to understand how safety fits with other principles, in order to communicate to stakeholders the ethical acceptability of proposed AI/AS.

### Developers

PRAISE offers a practical framework tailored for developers, helping them integrate ethical principles into development, and determine when deploying AI or AS is ethically justifiable.

### Regulators

PRAISE benefits regulators as a review or audit tool to inform policy, to reason over and reconcile competing values and trade offs.

## The expertise behind PRAISE

*“The MPS Foundation has worked with the Centre for Assuring Autonomy to research the impact of AI on Clinical Decision making which resulted in the White Paper (Avoiding the AI off-switch: Make AI work for clinicians, unlock potential for patients). PRAISE further demonstrates how the Centre is putting people and their safety at the forefront of the exciting new world of Artificial Intelligence.”*

**Adrian Jackson**  
Head of the MPS Foundation

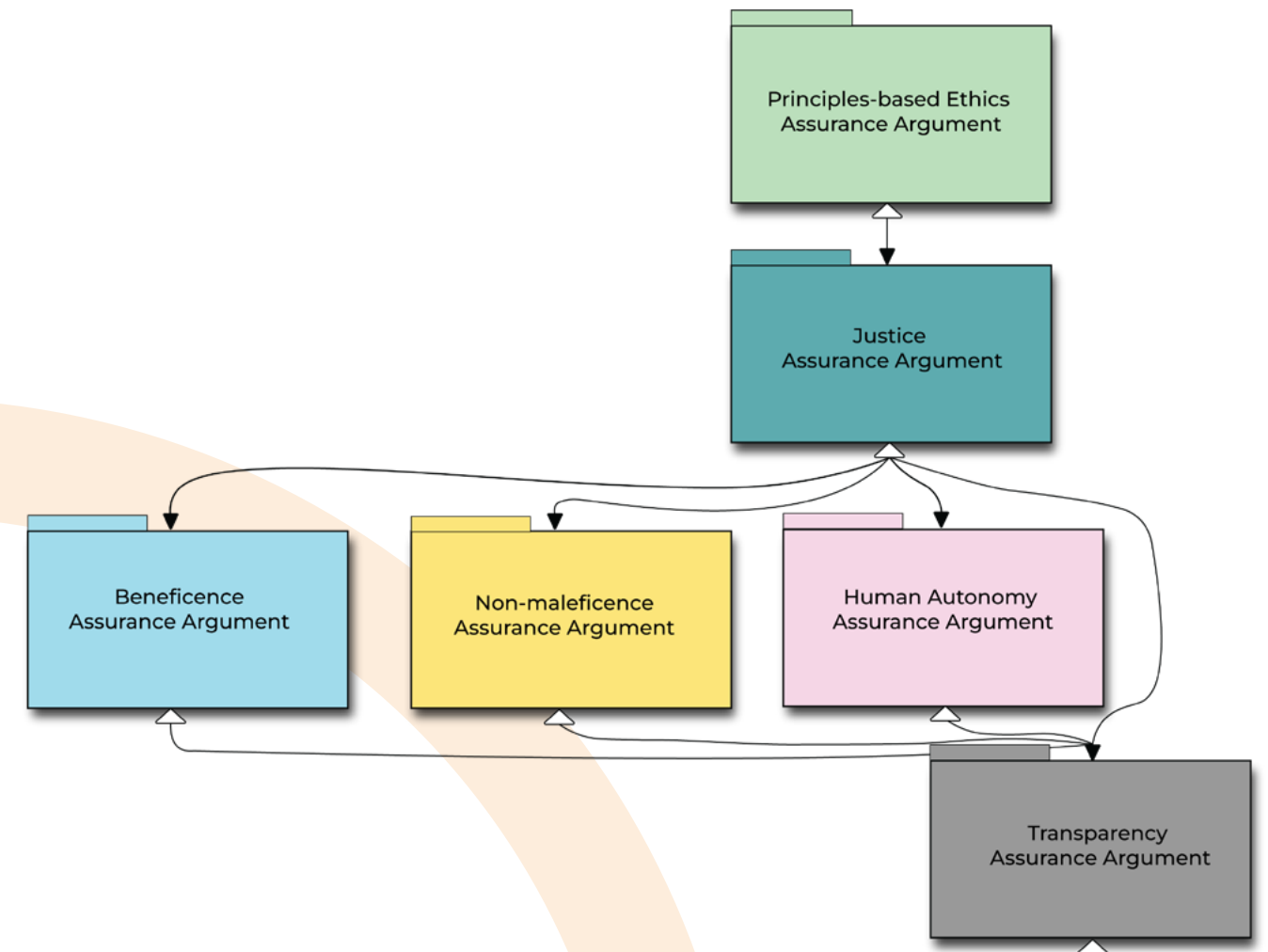
PRAISE has been developed by the Centre for Assuring Autonomy, a £10m partnership between Lloyd's Register Foundation and the University of York. Our team of globally recognised experts has been advancing the safety of complex systems through pioneering research for over 30 years.

We worked with an international community of developers, regulators, and researchers to develop and release PRAISE as freely accessible guidance, with proven real-world impact and value. Our PRAISE guidance is based on:

1. Sound research – peer-reviewed and published in leading academic venues.
2. Empirical evaluation – evaluated in real-world, credible contexts.
3. Accessibility – practical guidance disseminated online and through CPD training.

Through PRAISE we, at the Centre for Assuring Autonomy, are leading the way in ensuring society can safely benefit from artificial intelligence and autonomous systems and tools.

## PRAISE's ethical principles



### Justice

The distribution of benefits and risks from use of the system should be equitable across affected stakeholders. The principle of justice takes priority over the other ethical principles in the structure of the framework.

### Beneficence

The use of the system should benefit affected stakeholders.

### Non-maleficence

The use of the system should not cause unjustified harm to affected stakeholders.

### Respect for human autonomy

Affected stakeholders' capacity to live and act according to their own reasons and motives should be respected.



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## **Work with us**

There are several ways the Centre for Assuring Autonomy can support your organisation in developing safety assurance cases.

## **Training**

Our bespoke training and education sessions enable industry, regulators, and policy makers to develop the expertise necessary to ensure that autonomous systems are brought safely to market and into operation.

## **Research**

We can help you solve emerging and critical research questions around safe AI through our multidisciplinary team approach.

## **Partnerships and collaborations**

Our team of experts works with organisations to help develop safety cases, address particular challenges, or develop compliance procedures.

## **Consultancy**

Our bespoke consultancy service enables you to build a package of support which meets organisational needs and access the right experts for your AI and AS challenges.

## **Our safety assurance guidance and frameworks**

PRAISE is part of a suite of freely-available frameworks and guidance which organisations can use to develop safety cases for autonomous systems and AI, including Frontier AI.

Read our other factsheets in this series:

- BIG Argument
- SACE
- AMLAS



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