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# Why Ethical and Responsible AI

## Breadth of Applications

- AI can be applied to a huge range of problems.

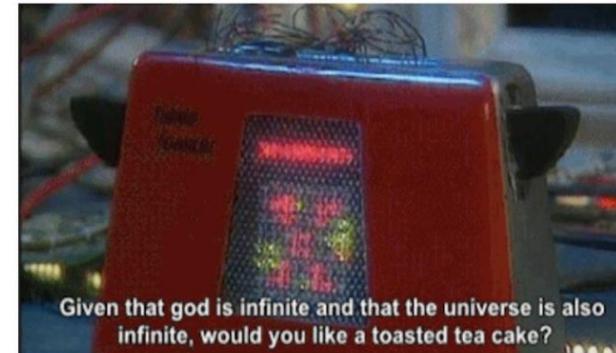
## Scale of Impact

- A single AI system may affect millions of people.

## Novelty

- New technologies give rise to problems we have not considered.

### Why not ethics of toasters?



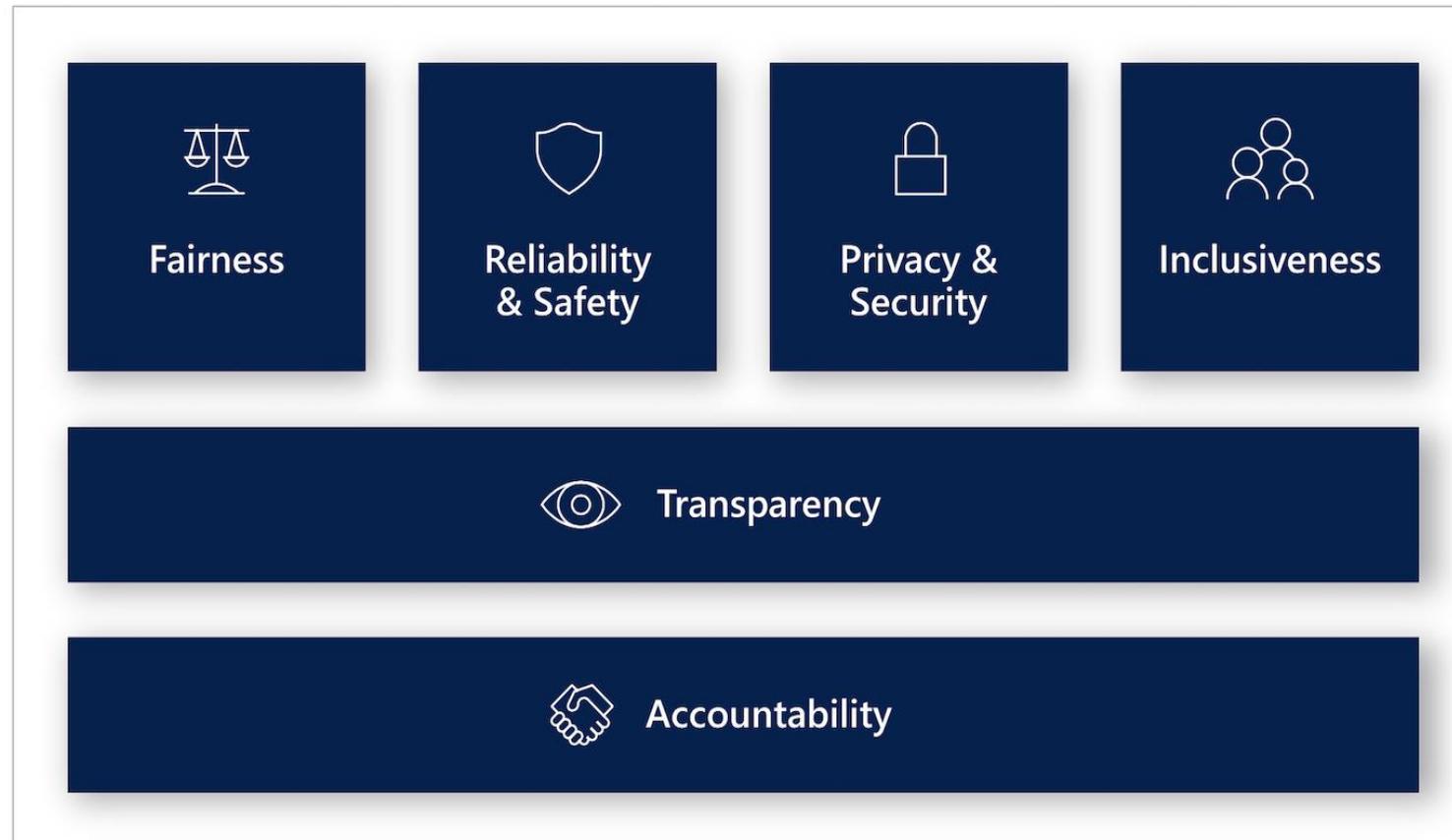
# Ethics in AI

## Computers understanding the world

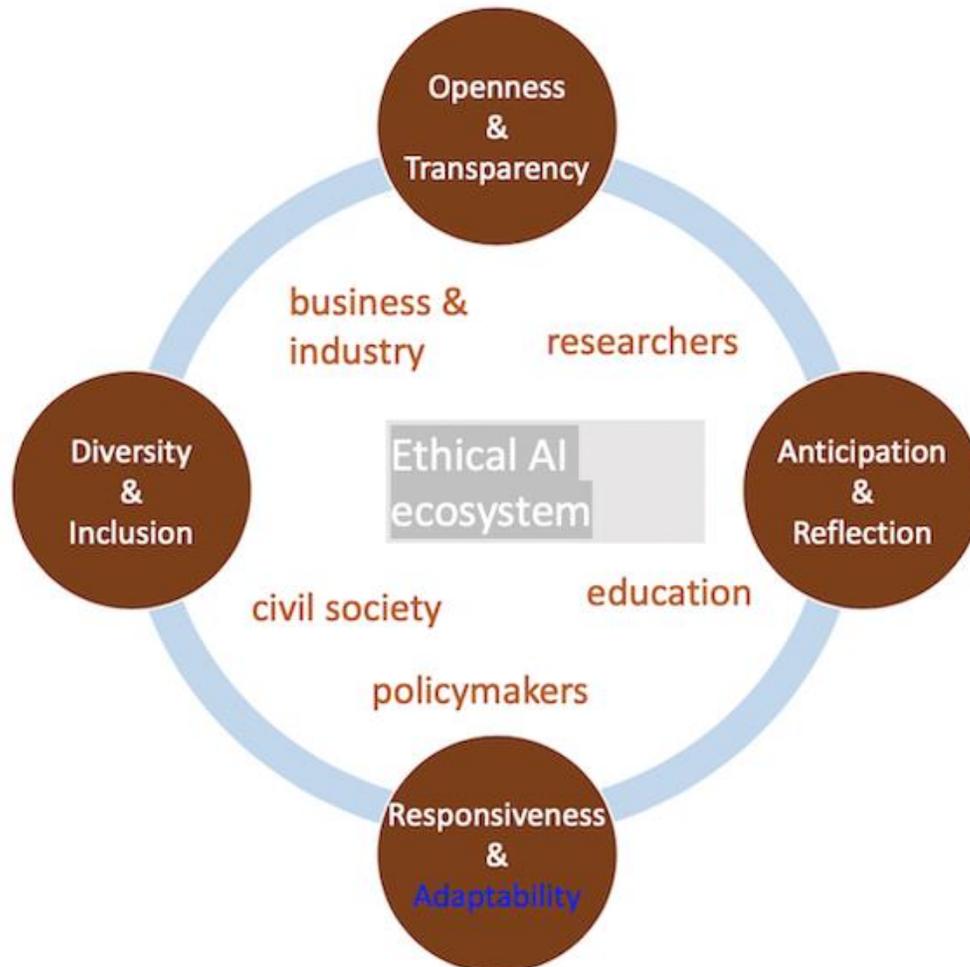


How “Ethical AI by design” can ensure maximising the value created by AI for the community and citizens

## The ethics of AI



# Who is responsible for fostering the Ethical AI ecosystem?



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# Ensuring Responsible AI in Practice to deliver ethical AI in the time of “Uncertainty”

Three core principles can help leaders think through AI’s ethical implications

— 1 —

## IMPACT

The moral quality of a technology depends on its consequences. Risks and benefits must be weighed.



**Non-maleficence:**  
Avoid harm

**Beneficence:**  
Advance the flourishing of people and societies

— 2 —

## JUSTICE

People should be treated fairly.



**Procedural fairness:**  
Promote fair treatment

**Distributive fairness:**  
Promote equitable outcomes

— 3 —

## AUTONOMY

People should be able to make their own choice, free of manipulative forces.



**Comprehension:**  
Explain how to use and when to trust AI

**Control:**  
Allow people to modify or override AI when appropriate

## Ethics in AI

“Could we see a  
**Hippocratic Oath**  
for coders like we  
see for doctors?”



“Do no harm”

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**Questions?**

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```
/*  
 * C# Program to Perform Unboxing Operation  
 */  
using System;  
class sample  
{  
    int data;  
    void insert(object x)  
    {  
        data = (int)x * 5;  
    }  
    object delete()  
    {  
        data=0;  
        return (object)data;  
    }  
    public static void Main()  
    {  
        sample s = new sample();  
        s.insert(10);  
        Console.WriteLine("Data : {0}", s.data);  
        Console.WriteLine("Data : {0}", s.delete());  
        Console.ReadLine();  
    }  
}
```

“Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts. Separated they live in Bookmarksgrove right at the coast of the Semantics, a large language ocean.”

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*Marco Minnemann*

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**THANKS AND...**

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**SEE YOU SOON!**

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