



# The CAIO Blueprint

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COMBINED AUTHORITY

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## Principle #1 Beneficial

**Beneficial:** Use data and AI for the good and benefit of the community and the Liverpool City Region (LCR). Where possible, benefits should reach wider society as well.

### What that means...

People and organisations should prioritise public benefit in all data and AI projects. Public good can mean a lot of things, from operational efficiencies to saving lives. Residents especially want to see data and AI used in improving existing services. While projects should focus on the City Region first, residents would like to see other areas benefit from the research and projects developed here.

## Principle #2 Security

**Security:** Ensure that the Five Safes (Safe Data, Projects, People, Settings, and Outputs) and the UK General Data Protection Regulation are being adhered to.

### What that means...

It is expected that personal data about residents is kept safe. Projects and organisations should keep personal data secure when stored, transmitted, and processed. The Five Safes should be core principles for personal and identifiable data safety and security. All organisations must already follow the [UK General Data Protection Regulations](#) for information security.

## Principle #3 Accountability

**Accountability:** Ensure accountability at all levels including a declaration of responsibility for each data and AI project.

### What that means...

Design in accountability from the start. It should be clear who should take responsibility when something goes wrong in data and AI development and decision-making. That means defining who is responsible for:

- addressing bias in datasets and algorithms
- correcting and updating algorithms,
- monitoring algorithms that are in use
- training front-line staff on algorithm use, benefits, and limits

Make it clear to service users who should be contacted if someone wants to challenge a decision made by an algorithm.

## Principle #4 Transparency

**Transparency:** Inspire trust between organisations and residents by being honest in how data is collected, used, and implemented in projects.

### What that means...

Residents want to be able to know what is happening with their data at scale. Transparency is a key building block to trustworthy practice. It is expected that data and AI projects and how they use data is reported in a publicly accessible register. Descriptions of projects must be written in plain English and understandable to residents.

# Developing Responsible AI across the region

Ensuring safe, ethical and transparent adoption.

AI for Good.

Civic Data Cooperative  
Data and AI Resident's Charter  
11 Principles

# Transforming Transport

with intelligent, data-driven systems

Agentic, demand-responsive **customer service** delivery

**Reduction in traffic collisions**

**Operational efficiency** in movement of traffic, passengers & goods

**Smart ticketing and predictive maintenance**

**Decarbonisation & net zero** delivery against ambitions

New CRM and agents  
Avatars and chatbots

Video Language Model Pilot

**Model: UK Centre for AI in the Public Sector**  
Challenge-based AI solutions  
Triple Helix: Academic, Businesses & CA

- Evolution of Digital Twins
- Smart ticketing solution
- Sensory Data





# Advancing AI in Health and Social Care

To improve outcomes, efficiency and early intervention.

LCRCA Data and AI Academy collaborates with LAs to **develop and deploy solutions** of most need

Additionally, the CA is a **pivotal facilitator** between health providers and technology companies to improve regional health outcomes

## Data and AI Academy:

- Solutions built internally by CA-driven developers for regional deployment and further commercialisation

**Model: UK Centre for AI in the Public Sector**  
Challenge-based AI solutions  
Triple Helix: Academic, Businesses & CA

- CHIL and CHI-ZONE engagement
- Sefton: Digital Mental Health Centre
- Social prescribing

# AI in Education

Working with teachers and educational technology providers.

**Attainment levels** reach and exceed national levels

Primary School Programme  
Secondary School Programme

**Teachers and School Governors are confident AI users** to improve outcomes for learners

**Learning Hub**  
- Curated advice  
- Negotiated support

LCR-based Ed Tech businesses have a **buoyant engaged marketplace** to grow and scale and service education needs

**AI Opportunities Fund**  
Fund for Ed Tech providers to pitch Marketplace events for teachers & providers





# Building better capability

**Building better regional AI capability and economic strength** by backing innovators, supporting AI literacy, data access and adoption.

## Regional Businesses

**LCR-based businesses focused on AI** have a buoyant engaged community to **learn, share and grow**

**Businesses** have access to the resources they need to **augment AI competency**

### Learning Hub for Businesses

- AI Maturity and Skills Frameworks
- Curated advice
- Support from Tech/Training providers

## CA and Local Authorities

LCRCA Data and AI Academy collaborates with LAs to **develop and deploy solutions** of most need

**LCRCA and LCR LAs** have access to the resources they need to **augment AI competency**

### Learning Hub for CAs and LAs

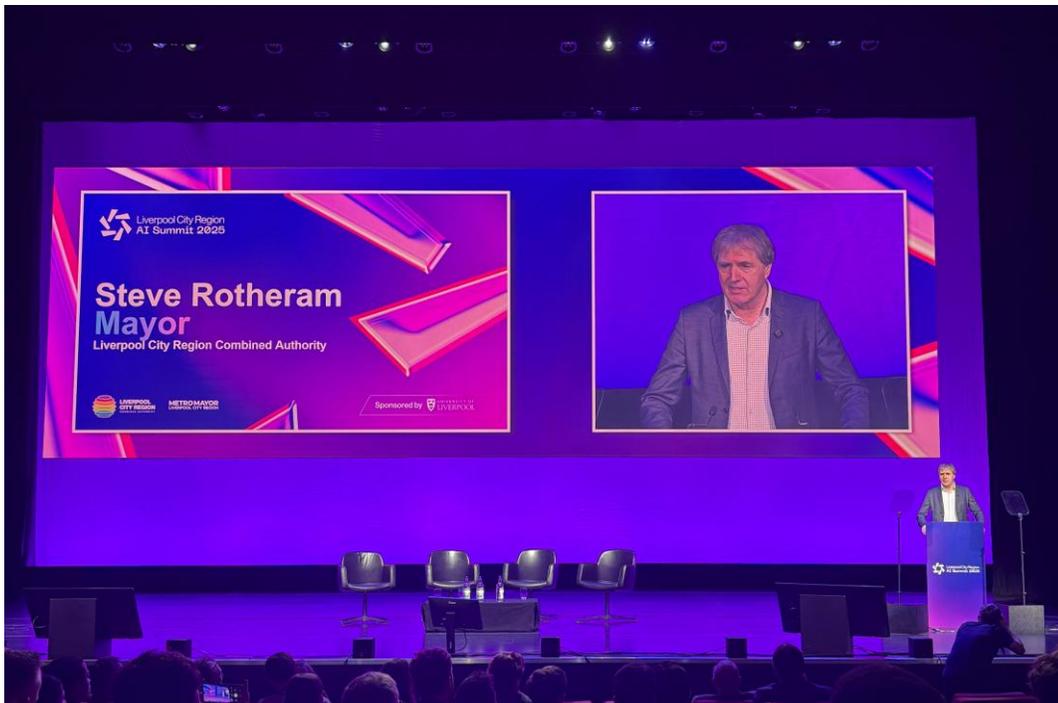
- AI Maturity and Skills Frameworks
- Curated advice
- Support from Tech/Training providers

# Communicating best practice

- Blueprinting and templating
- Communicating progress
- All Party Parliamentary Group for AI
- Conference Speaking
- Conference Attendance
- Digital Safaris



# 3 Key Enablers



A promotional graphic with a dark blue background. At the top left, there are two logos: "LIVERPOOL CITY REGION COMBINED AUTHORITY" and "METRO MAYOR LIVERPOOL CITY REGION". To the right is a blue, metallic-looking gear icon. The main text is in white and light blue: "Help us unleash the power of AI for Good" and "Apply to join the Liverpool City Region's new AI Task Force". At the bottom right, there is a large, detailed blue gear icon.

# Thank you

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Any questions?



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