CITY OF YORK COUNCIL

STEP – Smart Travel Evolution Programme

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2017 Transport Systems Team, City of York Council



Preparing York to be the FIRST SMART TRANSPORT CITY in the UK Building a PLATFORM to ensure the City can meet the challenges of BIG DATA, CONNECTED and AUTONOMOUS VEHICLES and FULL FIBRE connectivity

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Supporting Infrastructure

City 'Full Fibre' Network

MAC Address Harvesting

Image-based calibration

> City wide Wi-Fi

On vehicle CCTV analytics

LIDAR

Digitised network data (TROs)

Bus Real Time data

STEP ONE

We take our existing data sources, and new data sources that FULL FIBRE network will make possible

> We consider the policy challenges that the City faces now and in the near future

The areas STEP can help resolve

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Policy Gains

Road Network Efficiency

Productivity Gains

Emissions Reduction

Congestion Management

> Land Use Planning

CAV Readiness

Economic Vitality

City Technology Agenda

'Smart City' Initiatives

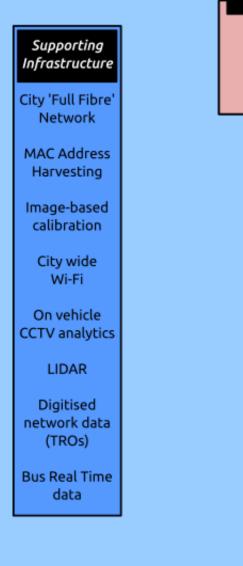
step

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DATA

Journey time Mobility data (trip matrices) Origin / destination link speed / congestion

STEP Builds a City 'DATA PLATFORM' LAYER that collects and stores data from sources and applies basic processing

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STEP TWO

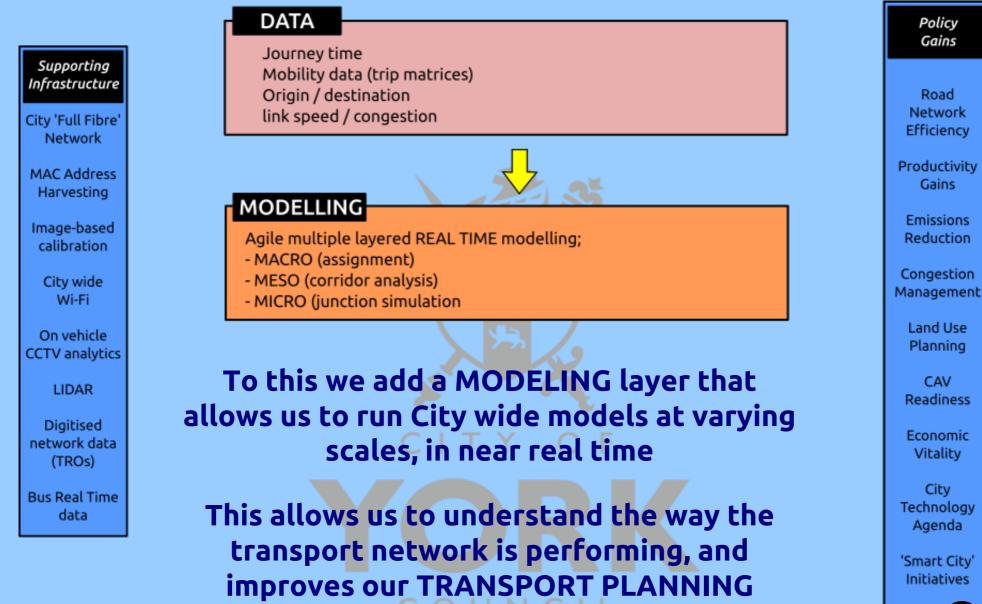
Gains Road Network Efficiency Productivity Gains Emissions Reduction Congestion Management Land Use Planning CAV Readiness Economic Vitality

Policy

City Technology Agenda

'Smart City' Initiatives

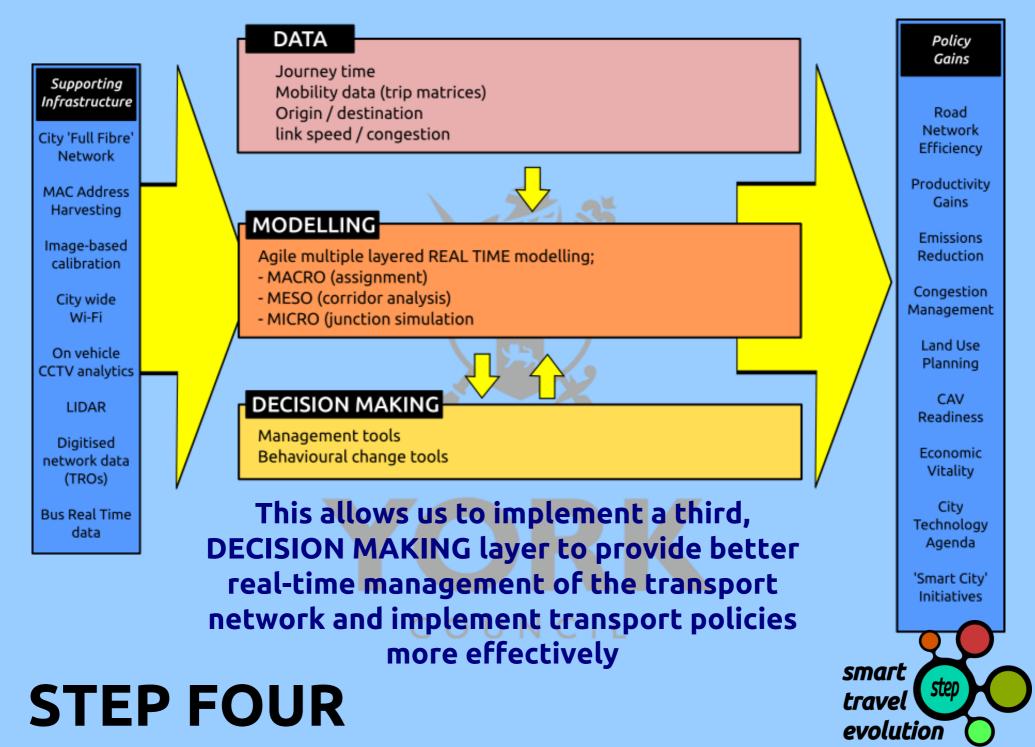




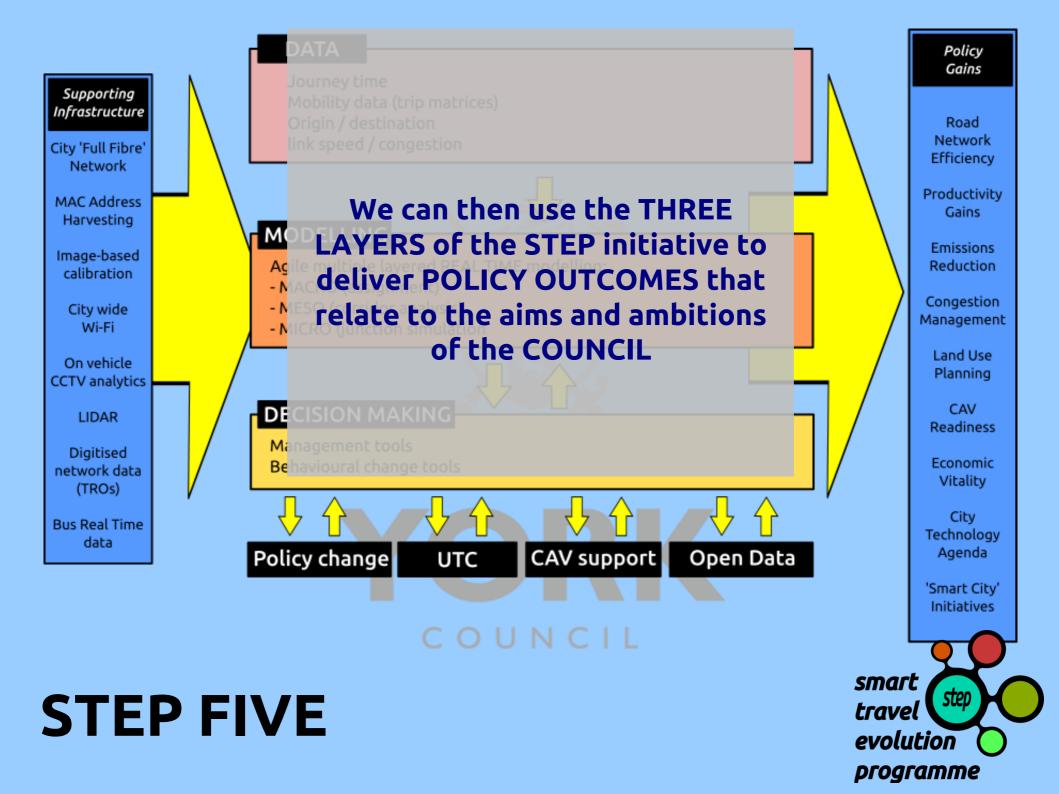
activities

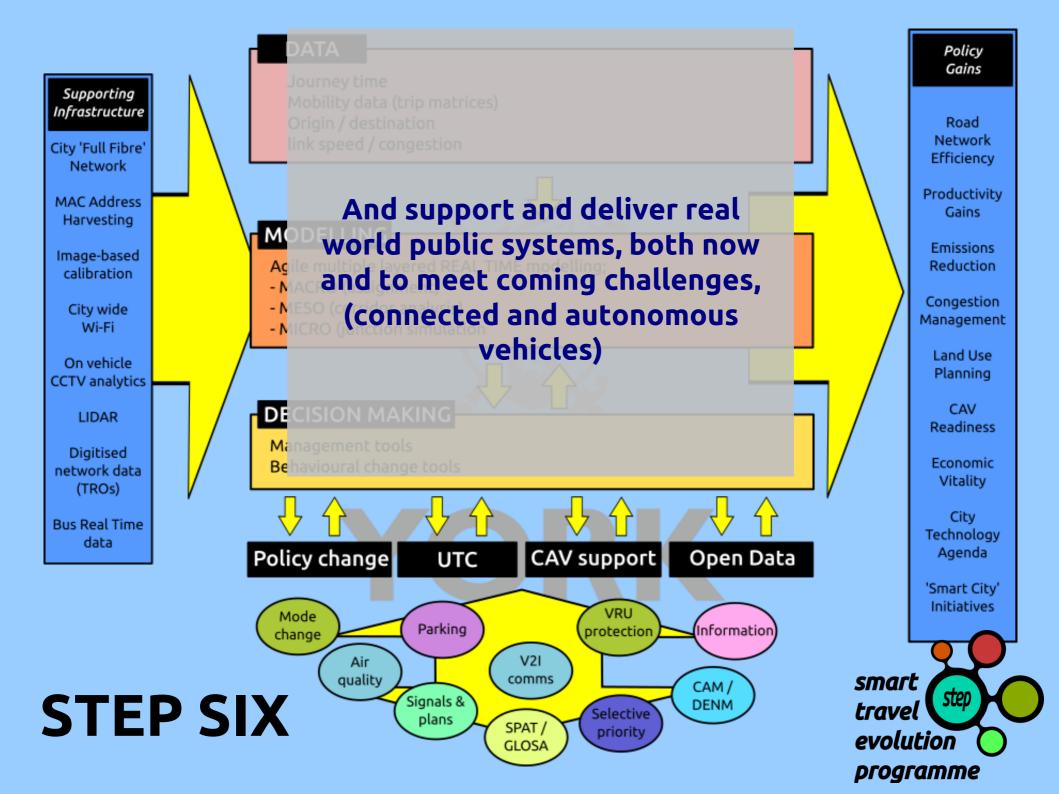
STEP THREE

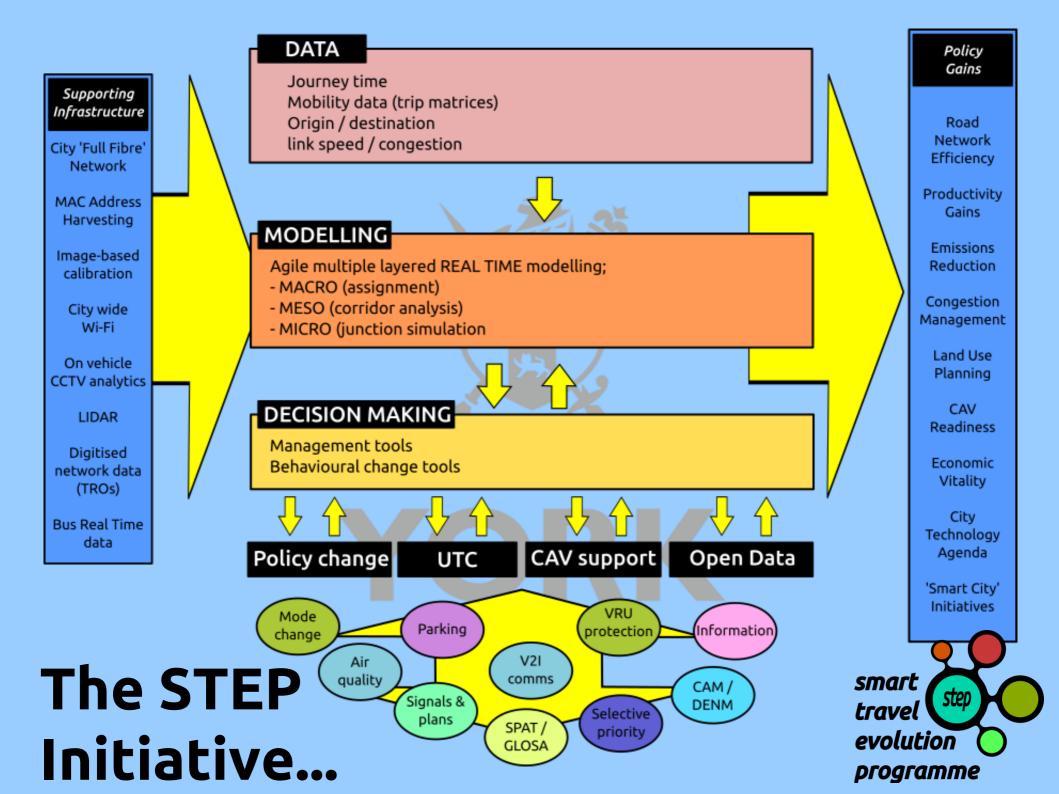
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programme







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