## **CITY OF YORK COUNCIL**

## STEP – Smart Travel Evolution Programme

COUNCIL

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

COUNCIL



#### 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

#### COUNCIL

Policy Gains

Road Network Efficiency

Productivity Gains

Emissions Reduction

Congestion Management

> Land Use Planning

CAV Readiness

Economic Vitality

City Technology Agenda

'Smart City' Initiatives

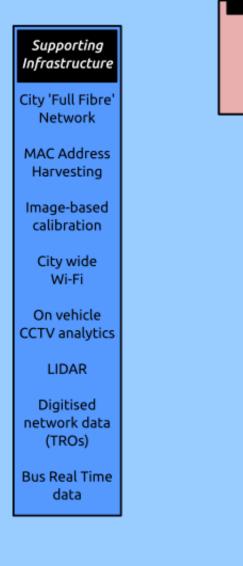
step

smart

travel

evolution

ргодгатте



#### 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

COUNCIL

## **STEP TWO**

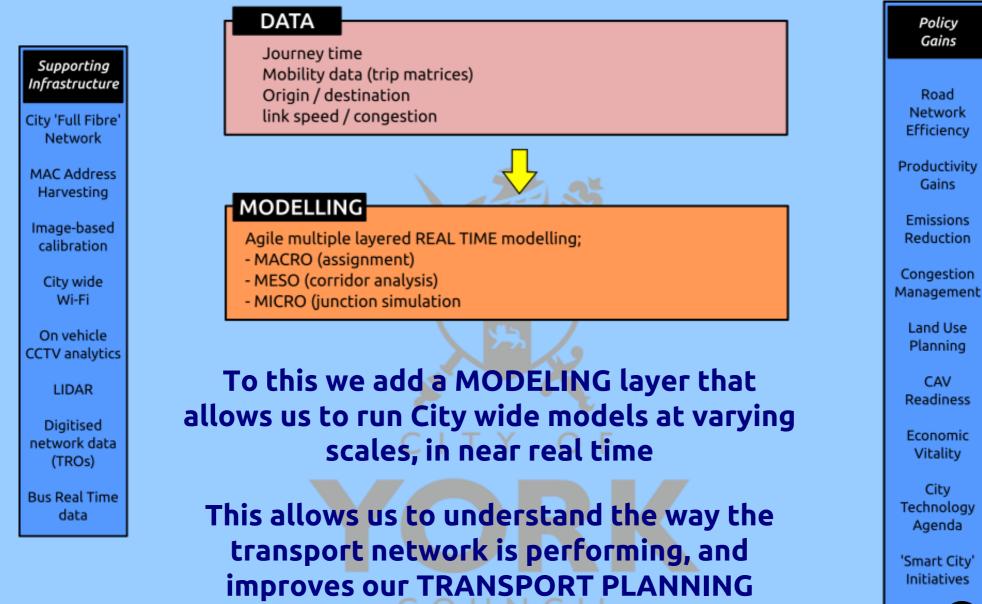
Gains Road Network Efficiency Productivity Gains Emissions Reduction Congestion Management Land Use Planning CAV Readiness Economic Vitality

Policy

City Technology Agenda

'Smart City' Initiatives

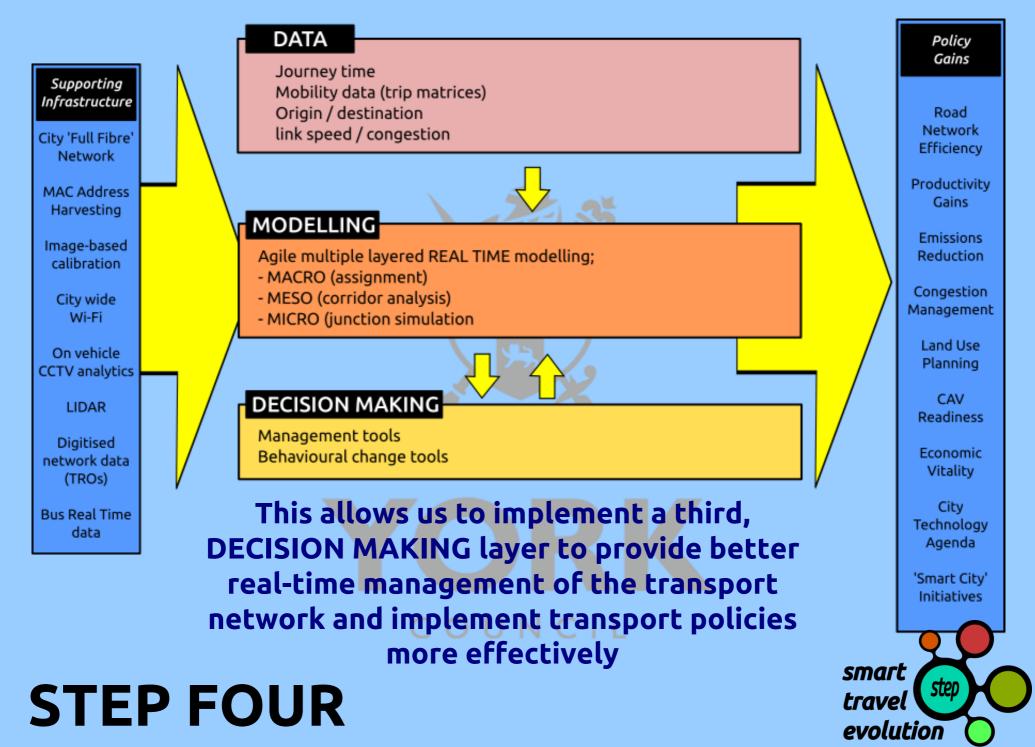




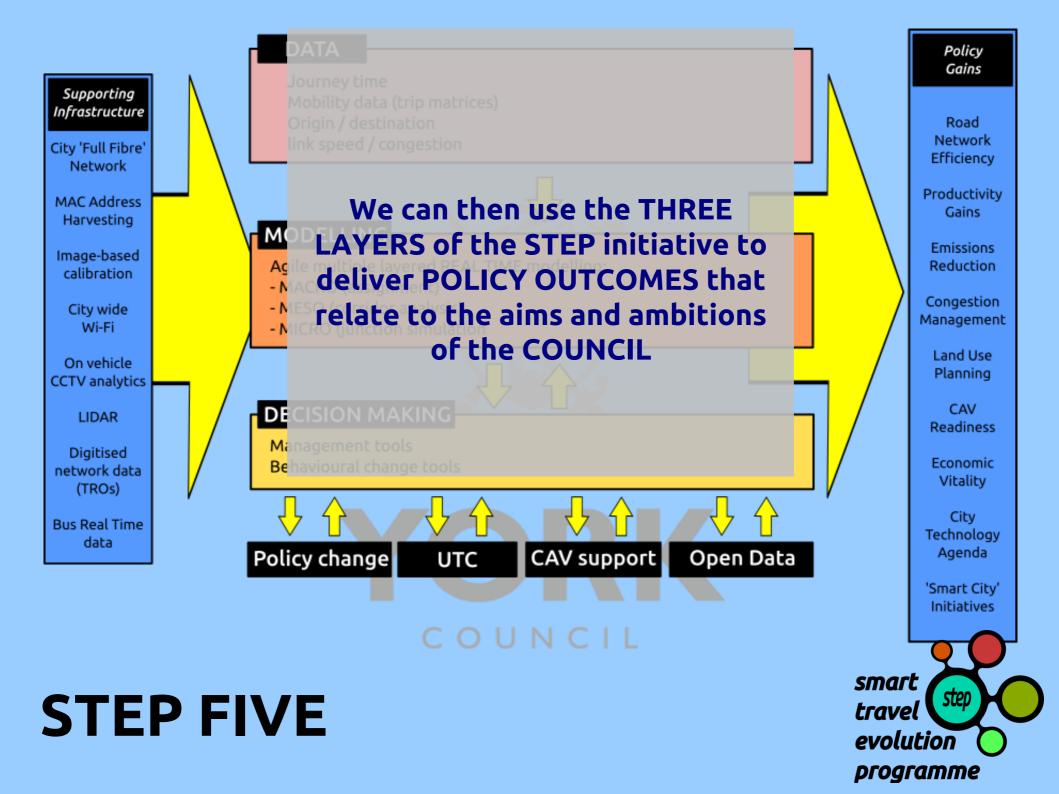
activities

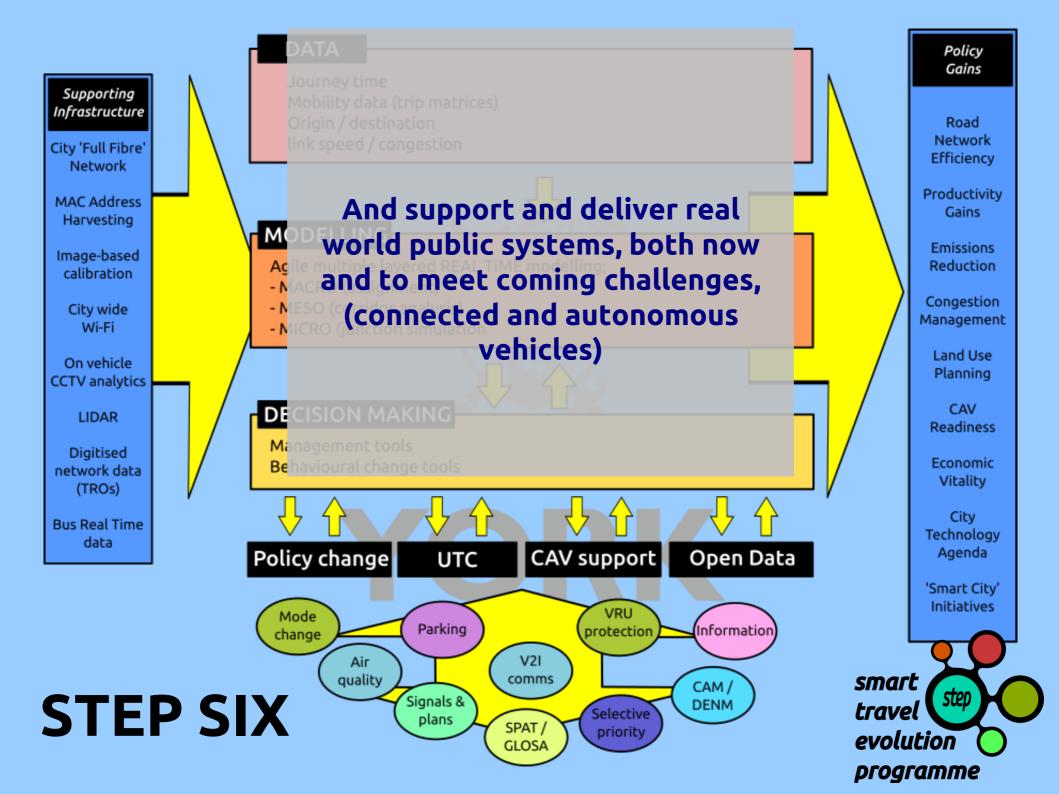
### **STEP THREE**

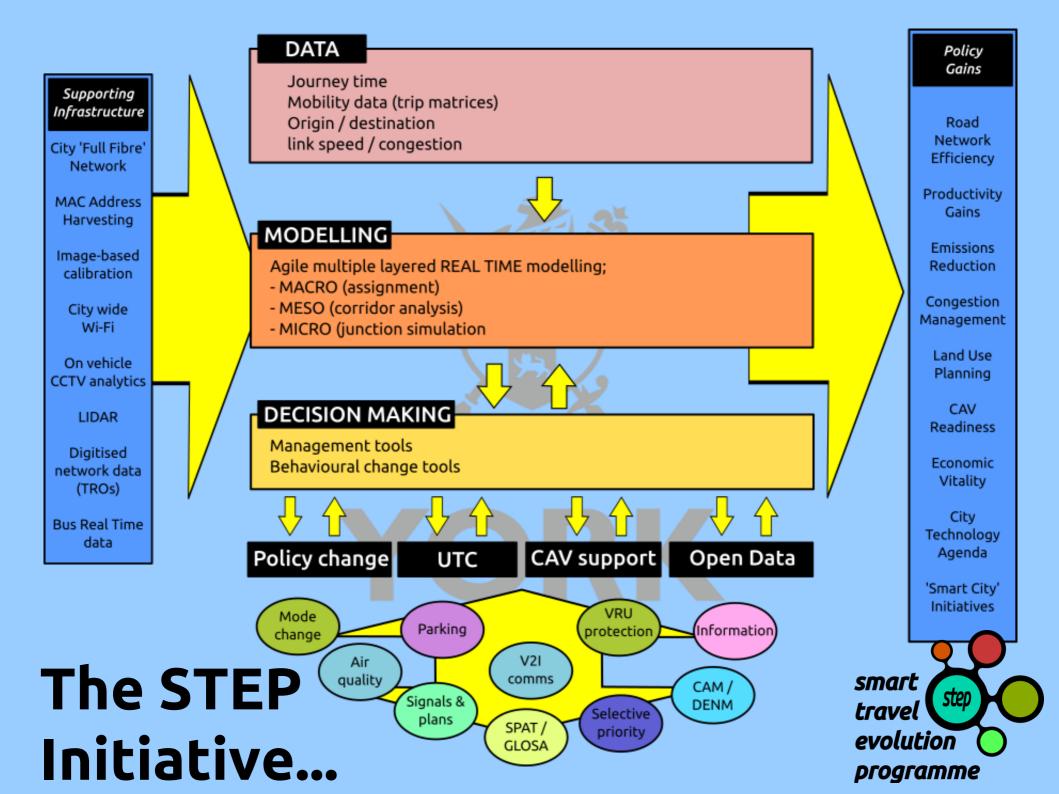
smart travel evolution programme



programme







# smart travel evolution ргодгатте

2017 Transport Systems Team, City of York Council