



Centre for Connected
& Autonomous Vehicles

Connected and autonomous vehicles in the UK

Iain Forbes



sky NEWS

LIVE HOUSE OF LORDS



QUEEN'S SPEECH

GOVERNMENT TO "CREATE RIGHT FOR EVERY UK HOUSEHOLD TO ACCESS HIGH-SPEED BROADBAND

GOVT "WILL USE OPP DELIVER SECURITY FO

skynews.com

SO FAR AND 16 BODIES HAVE BEEN RECOVERED

BREAKING NEWS

QUEEN'S SPEECH: THE GOVERNMENT IS TO



Centre for Connected
& Autonomous Vehicles

Why?





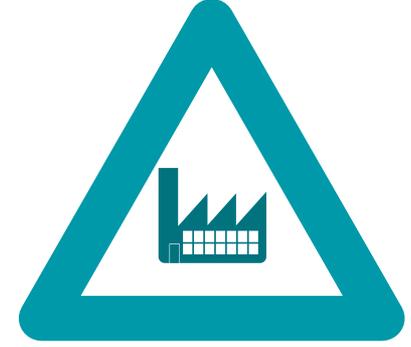
safety



efficiency



mobility



productivity





1. Work together

Research and development



UK AUTODRIVE

VENTURER

COMPASS 4D

GATEWAY

INSIGHT

UK AUTODRIVE

FLOURISH

i-MOTORS

UK CITE

**A2-M2
CONNECTED
CORRIDOR**

GATEWAY

MOVE_UK

VENTURER

**PATHWAY TO
AUTONOMOUS
COMMERCIAL
VEHICLES**

TASCC

COMPASS 4D

**TOOLS FOR
AUTONOMOUS
LOGISTICS
OPERATIONS**

DRIVE ME

INTACT

INSIGHT

Heathrow
Making every journey better



Fusion Processing



CONIGITAL



UK AUTODRIVE

ARUP **CATAPULT**
Transport Systems



THALES



GOWLING WLG

FLOURISH

ATKINS **ageUK**



South Gloucestershire Council

designability **TSS** TRANSPORT SIMULATION SYSTEMS



i-MOTORS



INFOHUB Ltd.

UK CITE



A2-M2 CONNECTED CORRIDOR

Transport for London



Department for Transport

highways england



VENTURER

ATKINS **University of Bristol**



Fusion Processing

First **BAE SYSTEMS**
INSPIRED WORK



South Gloucestershire Council



PATHWAY TO AUTONOMOUS COMMERCIAL VEHICLES

Tructyre
FLEET MANAGEMENT

RL AUTOMOTIVE



INTACT



GATEWAY



Imperial College London



OXBOTICA
robotics & autonomous systems

Commonplace

GOBOTIX LTD

MOVE_UK



TASCC



COMPASS 4D



TOOLS FOR AUTONOMOUS LOGISTICS OPERATIONS



DRIVE ME















Royal College of Art



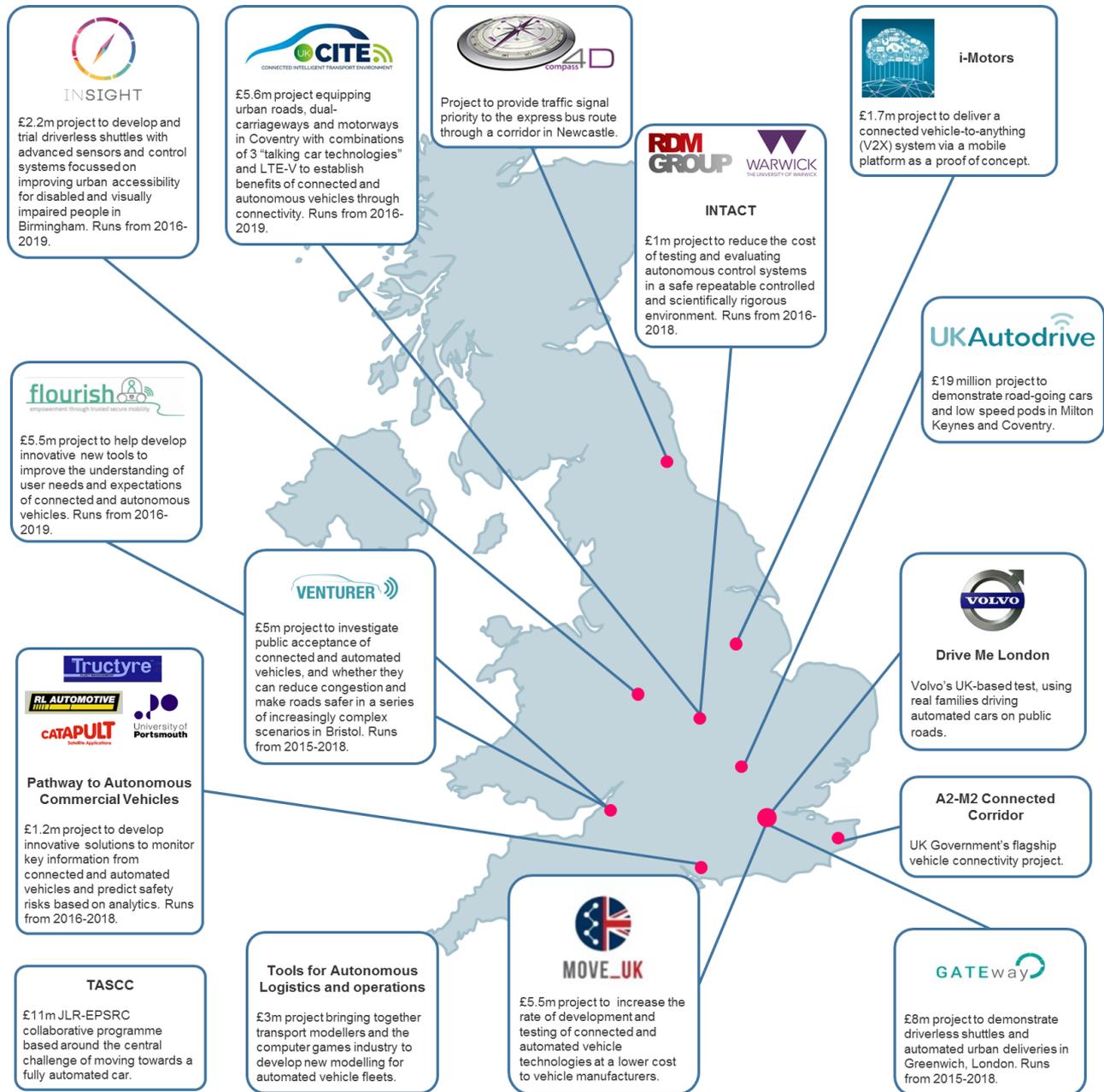


Royal College of Art





Centre for Connected & Autonomous Vehicles





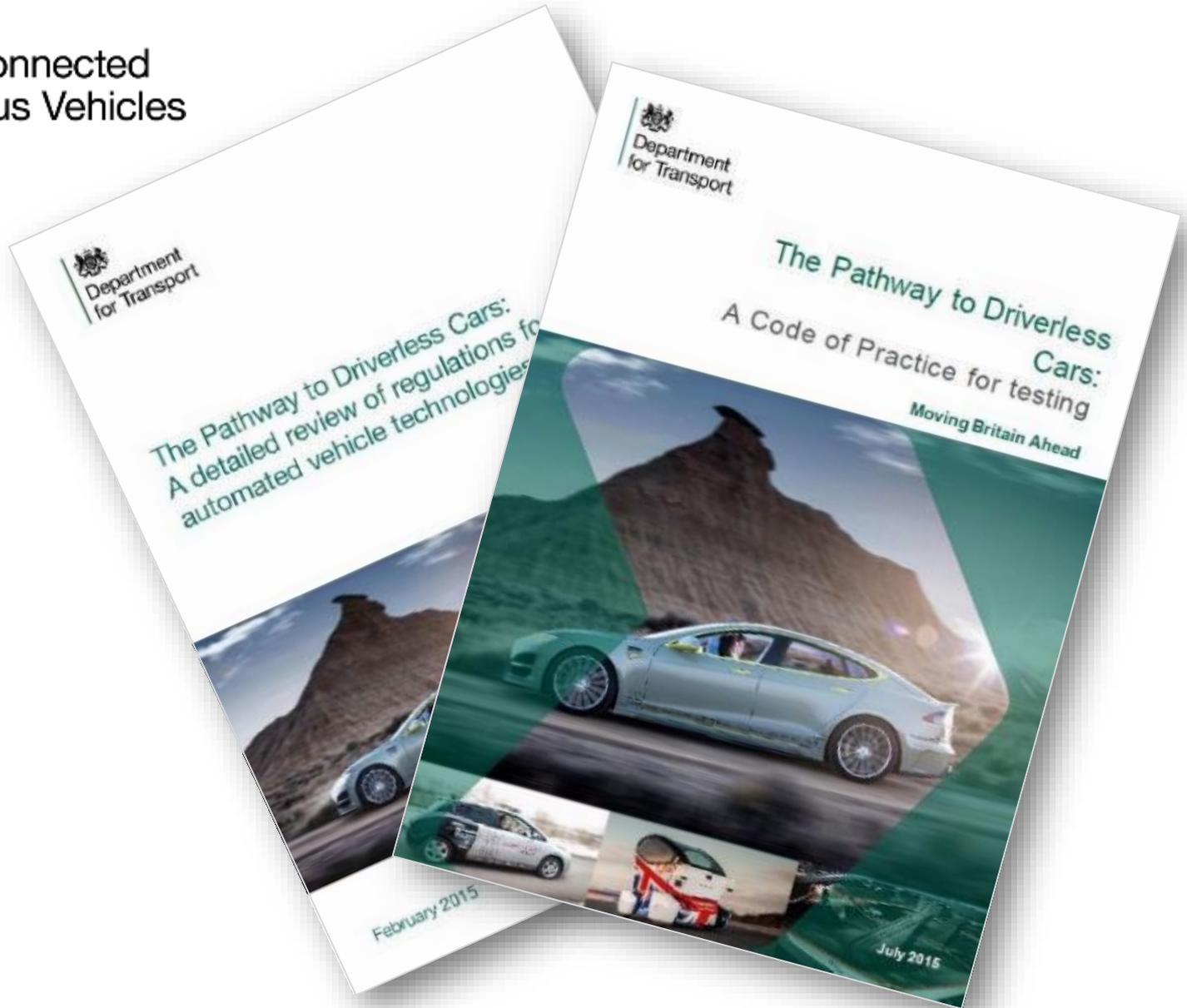
2. Focus on key priorities

Regulatory reform





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Centre for Connected
& Autonomous Vehicles

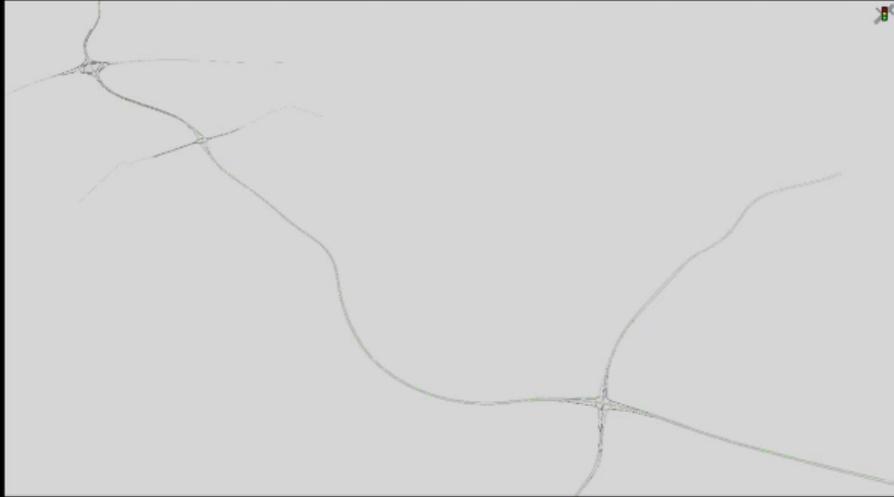


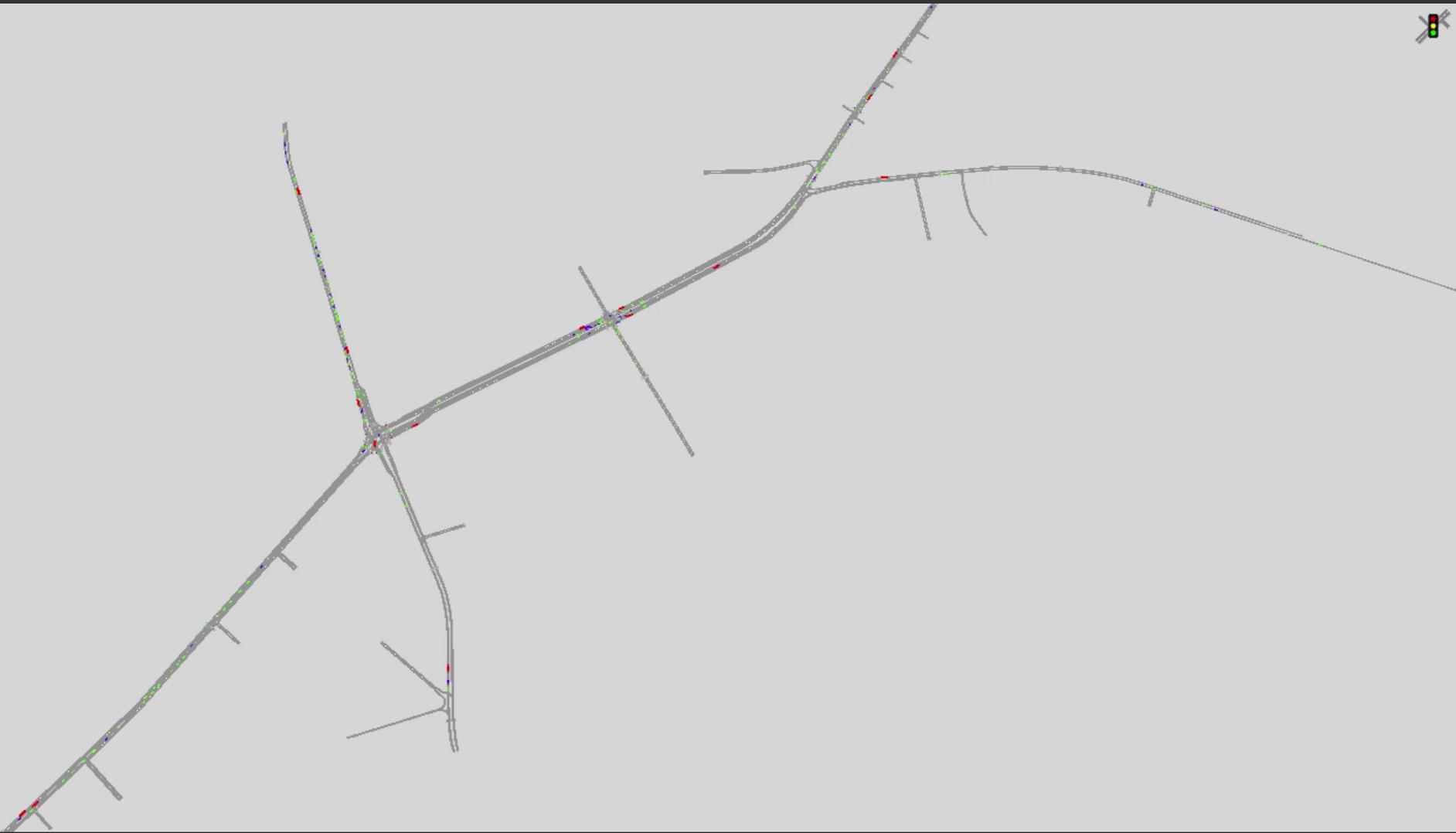


3. Keep learning

Infrastructure and social research











“Why?”

- Safety
- Efficiency
- Mobility
- Productivity

1. “Work together” – R&D

- Over £100m of government funding (matched by industry)
- Range of partners: automotive, telecoms, technology and insurance companies, universities, local government, etc.
- New £35m competition just closed – announcements soon

2. “Focus on key priorities” – Regulations

- One of the most open regulatory frameworks for testing in the world
- Legal changes on insurance and ADAS soon
- International regulation:
 - WP29:
 - WP1: Exploring flexibilities in Conventions
 - Cyber security: principles and task force

3. “Keep learning” – infrastructure & social research

- Microsimulation of vehicles on road network
- Connected corridors: A2-M2 corridor; UK CITE around Coventry
- Three year social and behavioural science programme

