

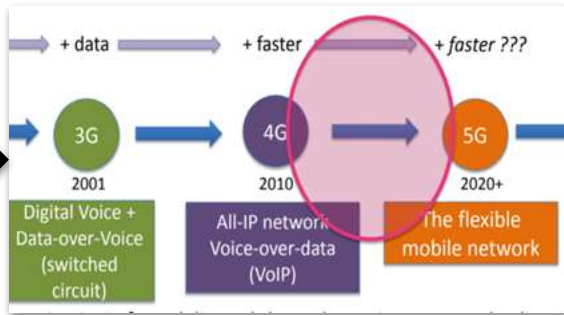


# 5G Testbeds and Trials

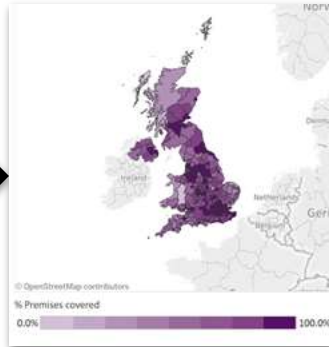
Programme Strategy and Structure

# What's driving the DCMS programme?

Industry evolving

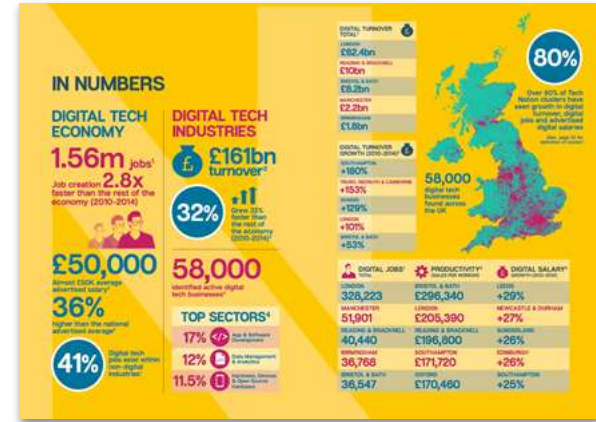


Improving coverage



85% of premises now have mobile data coverage indoors, up from 80% in 2016

UK Digital opportunity



Ministerial drive

**Matt Hancock, Secretary of State for Digital, Culture, Media and Sport:** “The Programme will stimulate Trials from many different future 5G users, learning lessons and driving productivity... and fund projects that address deployment and technical challenges.”

# Key Announcements

## Autumn Statement 2016

Government announced its 5G plans as part of a £1 billion package to boost the UK's digital infrastructure.

## Autumn Budget

A further £160 million for the next phase of funding to test 5G applications and deployment on roads and security of 5G networks plus a major project on the Trans Pennine rail route.

## Spring Budget 2017

Government released its 5G strategy.  
Programme's initial investment announced £16m for leading UK research institutions to cooperate on a new 5G capability.

## Industrial Strategy 2017

Government committed to ensure the UK has the digital infrastructure it needs to facilitate 5G.  
The Future Telecoms Infrastructure Review was announced.  
This will explore policy and regulatory interventions for the UK to reach its long-term objectives of 5G coverage.

# 5G Testbeds & Trials Programme Objectives

Next Generation Mobile Technologies: A 5G  
Strategy for the UK

March 2017



*“UK to be a world leader in 5G so that we can take early advantage of its potential”*

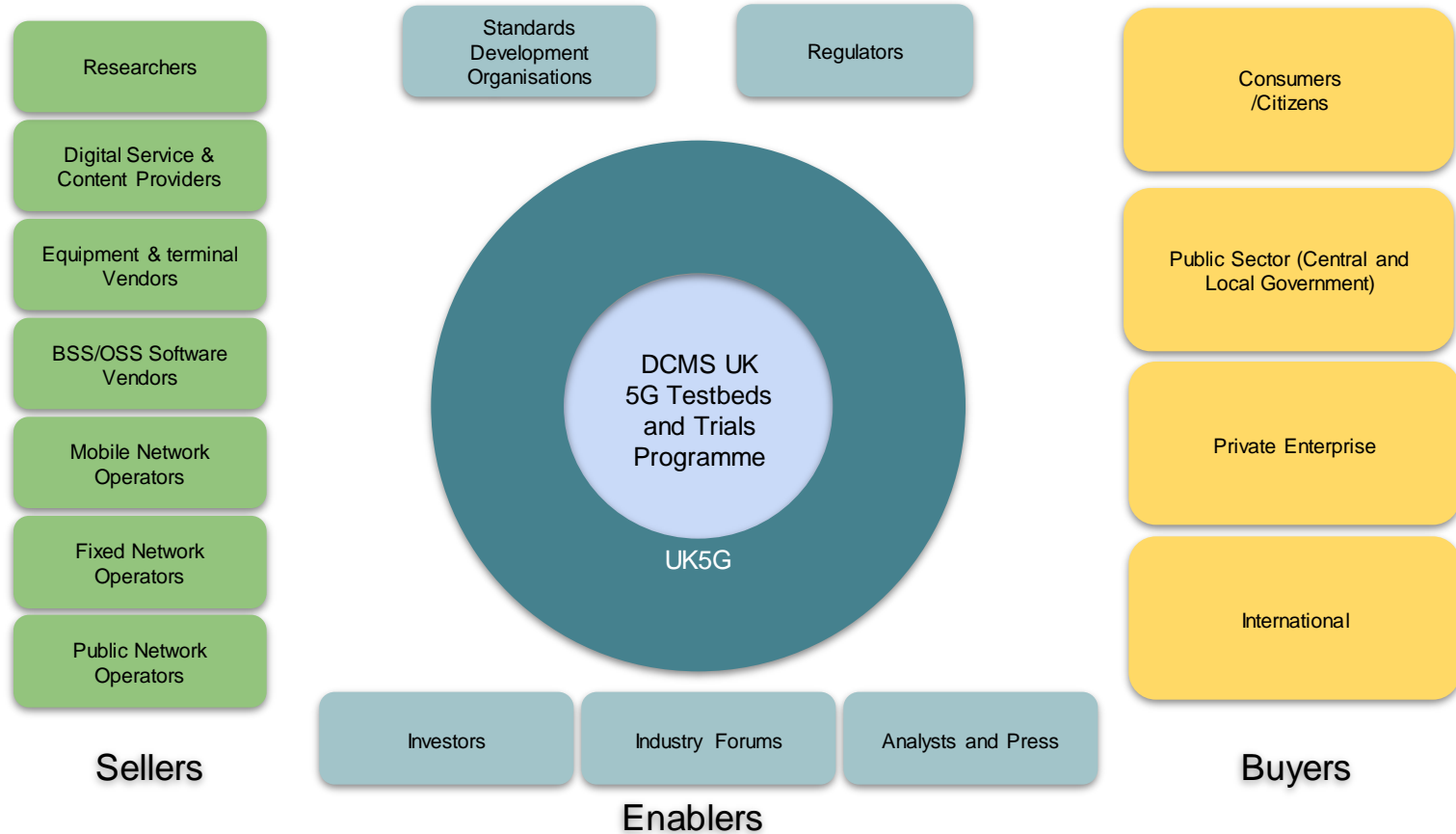
Next Generation Mobile Technologies: An  
update to the 5G strategy for the UK

December 2017

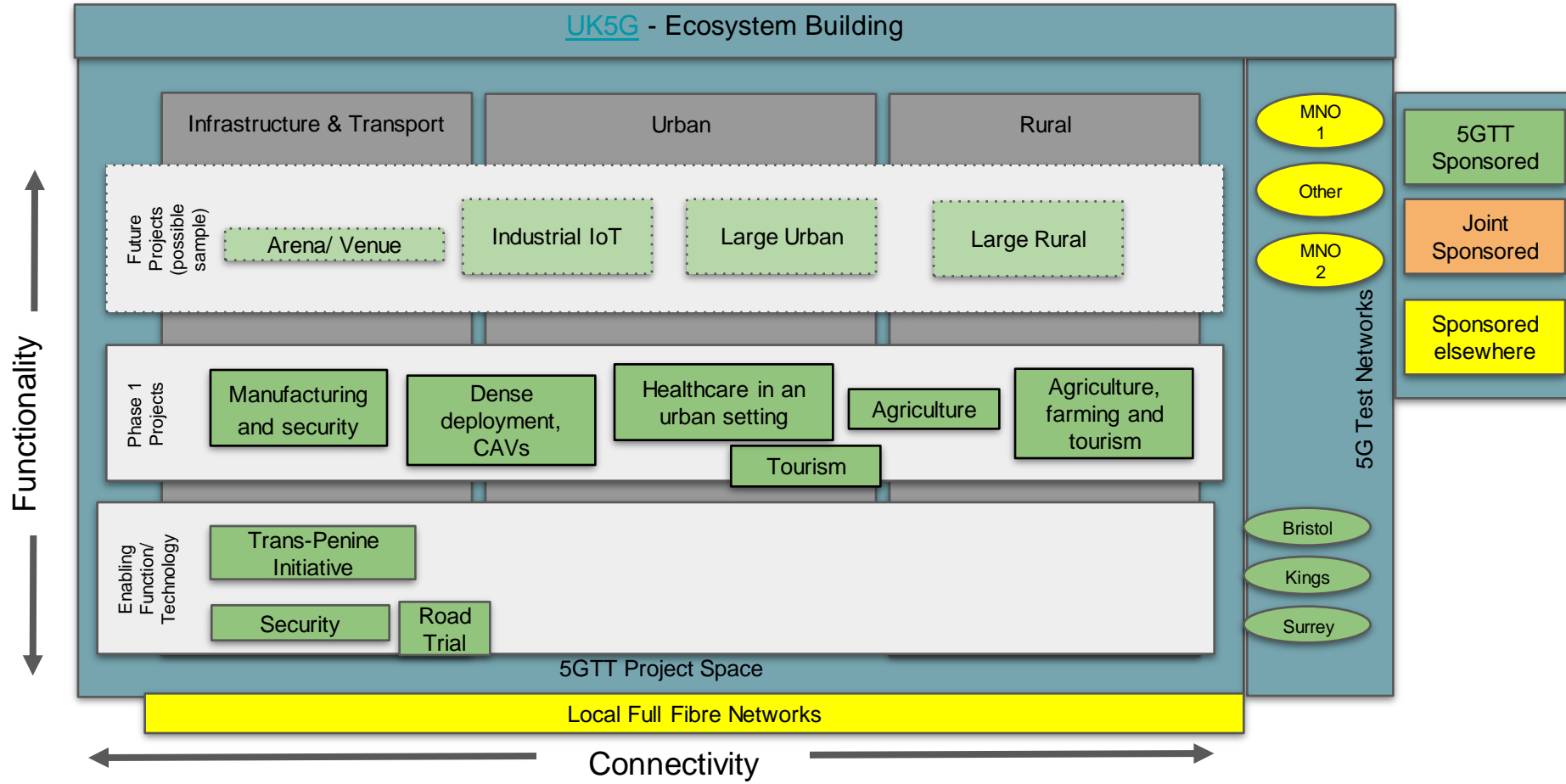


- *Accelerate the deployment of 5G networks*
- *Ensure that the UK can take early advantage of the applications those networks can enable*
- *Maximise the productivity and efficiency benefits to the UK from 5G*
- *Create new opportunities for UK businesses at home and abroad, and encourage inward investment*

# The 5G ecosystem



# Developing the 5GTT Programme delivery approach



# Phase 1 Projects

## 5G Rural Integrated Testbed (5GRIT)

**Sector:** Rural, including farming and tourism.

**Location:** Cumbria, Northumberland, North Yorkshire, Lincolnshire, Invernesshire, Perthshire) and Monmouthshire.

## Worcestershire 5G Consortium

**Sector:** Manufacturing and security

**Location:** Worcester

## 5G Smart Tourism

**Sector:** Tourism

**Location:** West of England, Bristol



## 5G RuralFirst: Rural Coverage and Dynamic Spectrum Access Testbed and Trial

**Sector:** Rural, agriculture and various

**Location:** Orkney, Shropshire, and Somerset

## Liverpool 5G Testbed

**Sector:** Healthcare in an urban setting

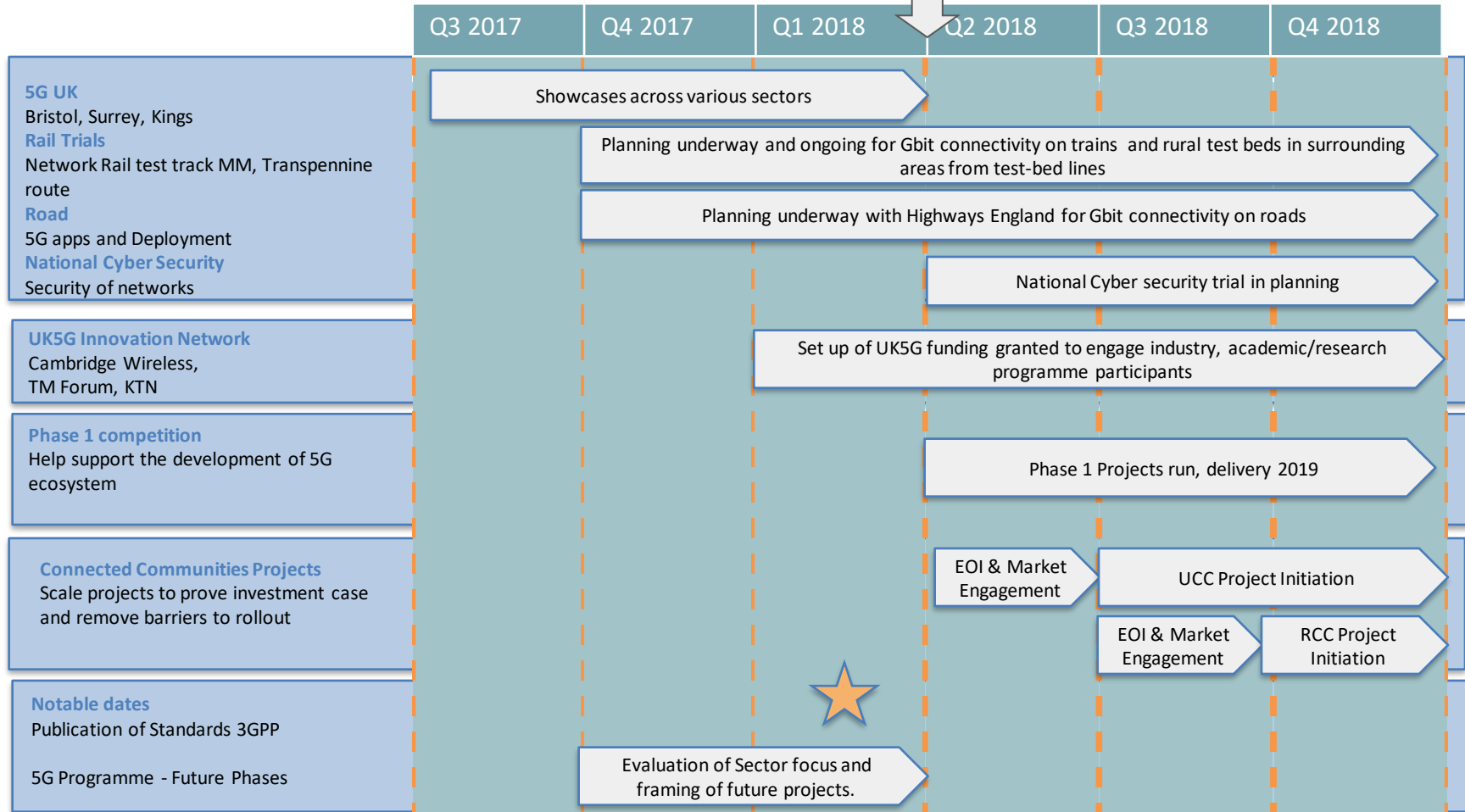
**Location:** Liverpool

## AutoAir

**Sector:** Dense deployment, CAVs

**Location:** Milbrook and 5GIC

# DCMS 5GTT Timeline





# Thank you



Department for  
Digital, Culture  
Media & Sport