

5GUK – World's First 5G National Trial

Prof Mischa Dohler

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IEEE 5G Testbed Workshop, Toronto, Canada 24 September 2017





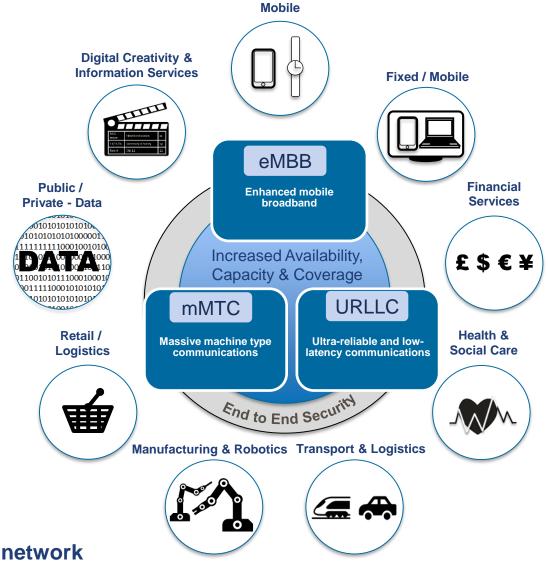
5GUK Hub, announced 6th July 2017



Minister for Digital Matt Hancock said:

We want to be at the head of the field in 5G. This funding will support the pioneering research needed to ensure we can harness the potential of this technology to spark innovation, create new jobs and boost the economy.

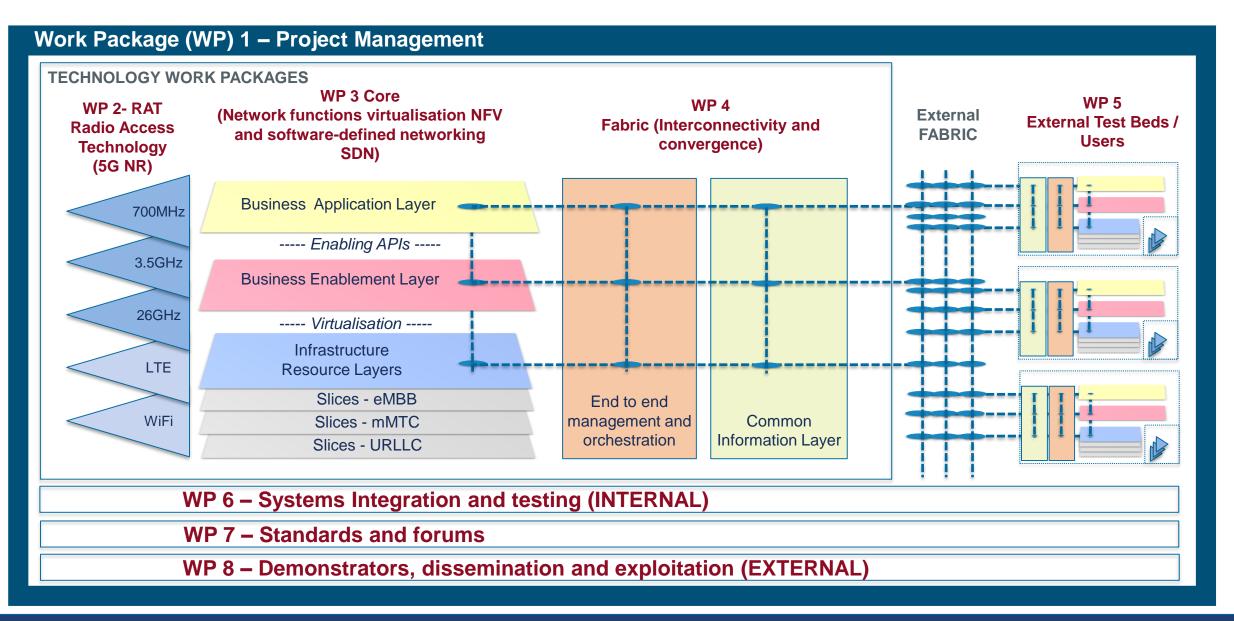
'We know 5G has the potential to bring more reliable, ultrafast mobile connectivity, with quicker reaction times and larger data capabilities, and I'm thrilled to announce King's College London and the universities of Surrey and Bristol have agreed to collaborate on this project.'



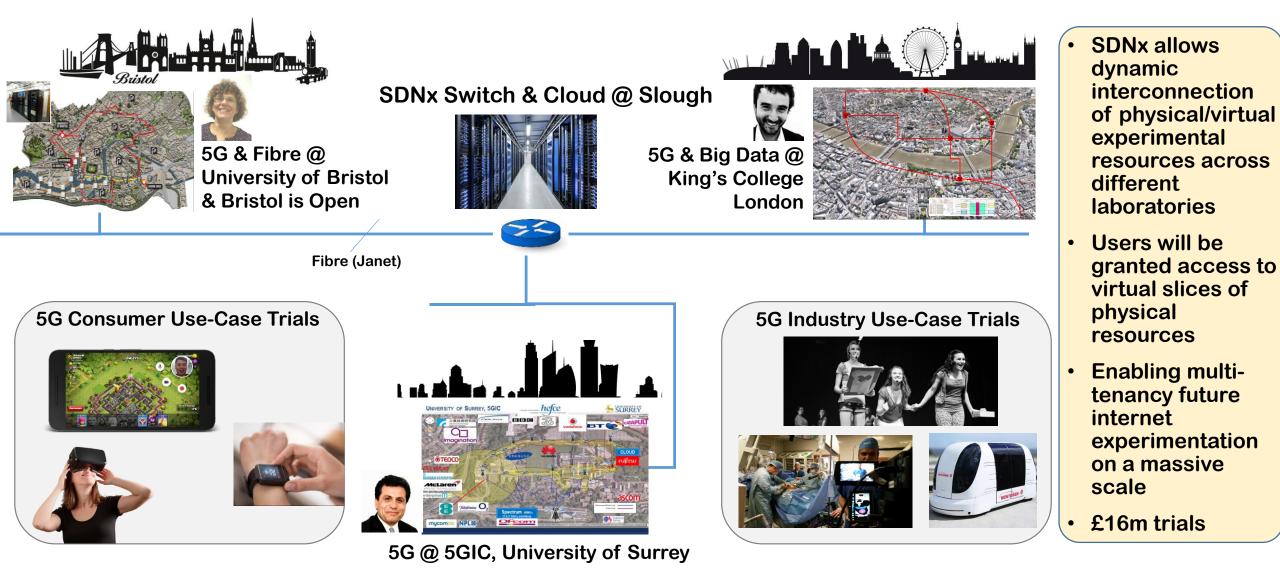
See full announcement: **Three universities to develop £16m 5G test network** <u>https://www.gov.uk/government/news/three-universities-to-develop-16m-5g-test-network</u>

5GUK Hub 1 project – MG1 31st July 2017

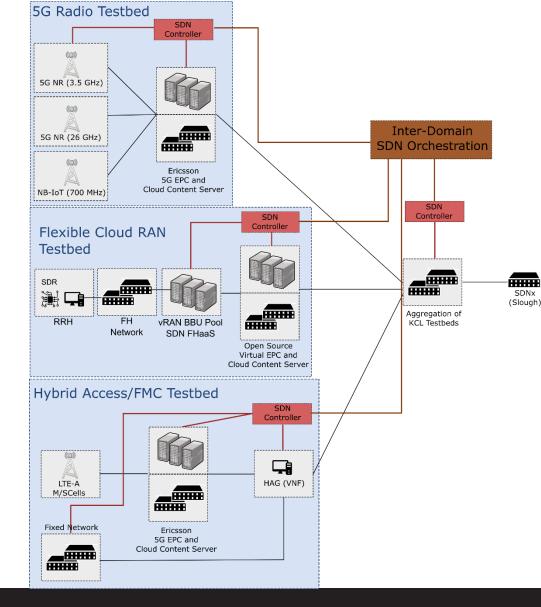
5GUK Hub - work packages



5GUK Hub 1 project – MG1 31st July 2017



End-to-End 5G in the UK



1. Radio tech in three pioneering spectrum bands

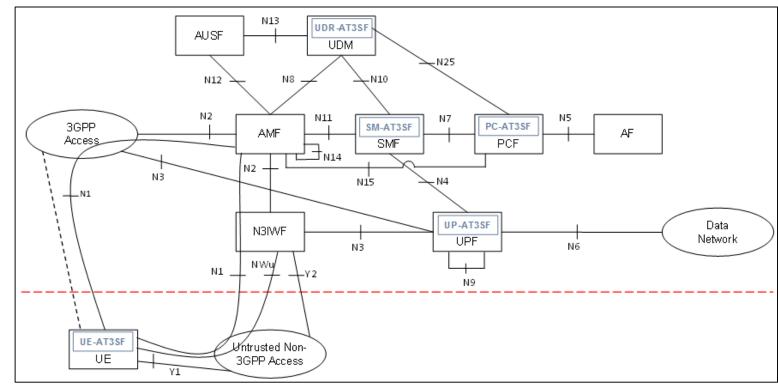
2. Flexible Functional-Split Cloud-RAN testbed

3. Fixed/Mobile Convergence with HAG testbed

4. Various controllers & orchestrators



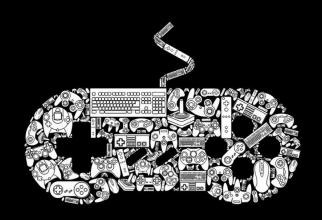
- 5G R15 3GPP SA2 contribution of King's and BT
- FS_ATSSS (TR 23.793): Study on Access Traffic Steering, Switching and Splitting on 5GS
- Main principle is to align with Rel-15 architecture and interfaces as far as possible



Standards Contributions









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If you want to be involved in the 5GUK testbed, please, do drop me an email under MISCHA.DOHLER@KCL.AC.UK.