

Underground Problem space









A common problem that costs:









OS Geovation: Underground Assets

Roadworks and congestion: road works account for 38% of the most serious and severe traffic disruptions in London: total cost £752M¹.

Cable strikes: Est 60,000 incidents per year (Cognisco 2015)

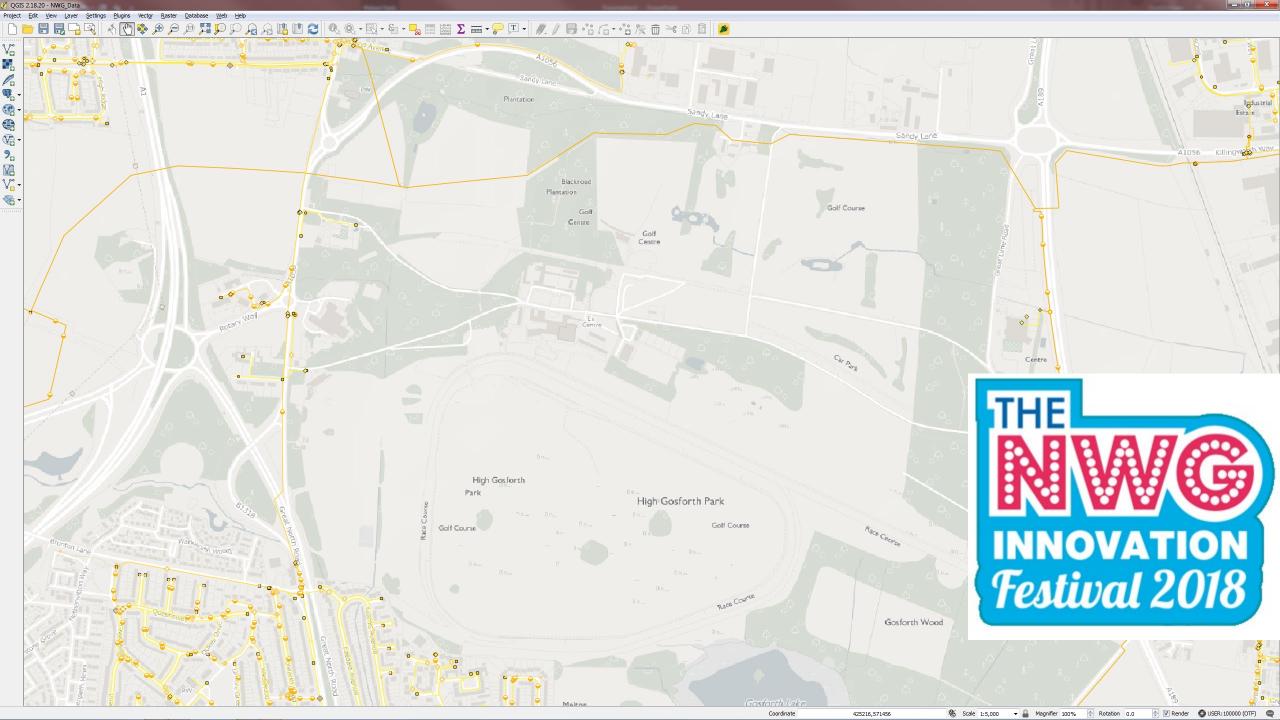
Physical ground constraints:

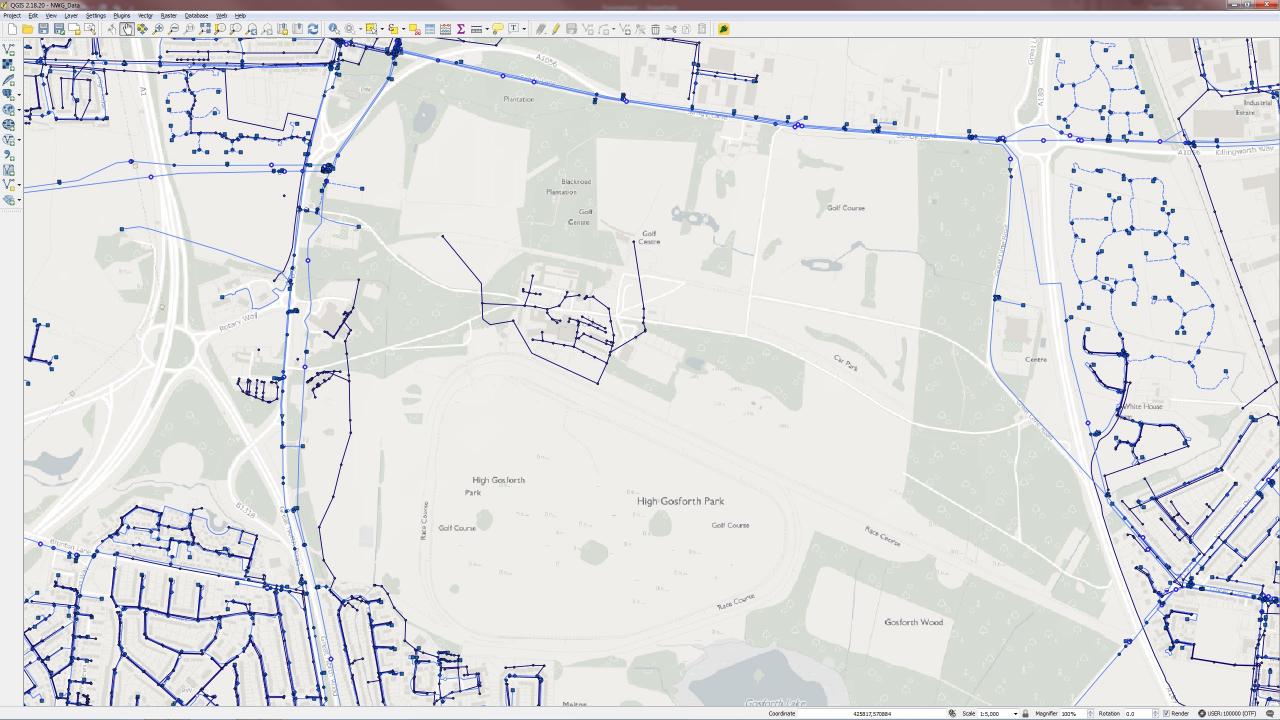
Ground risks – one of main causes of project delay (50%), and insurance claims Crossrail2 re-routed via Balham due to geological concerns.

Access to a geological model could deliver +£160M3 cost-savings for London's construction

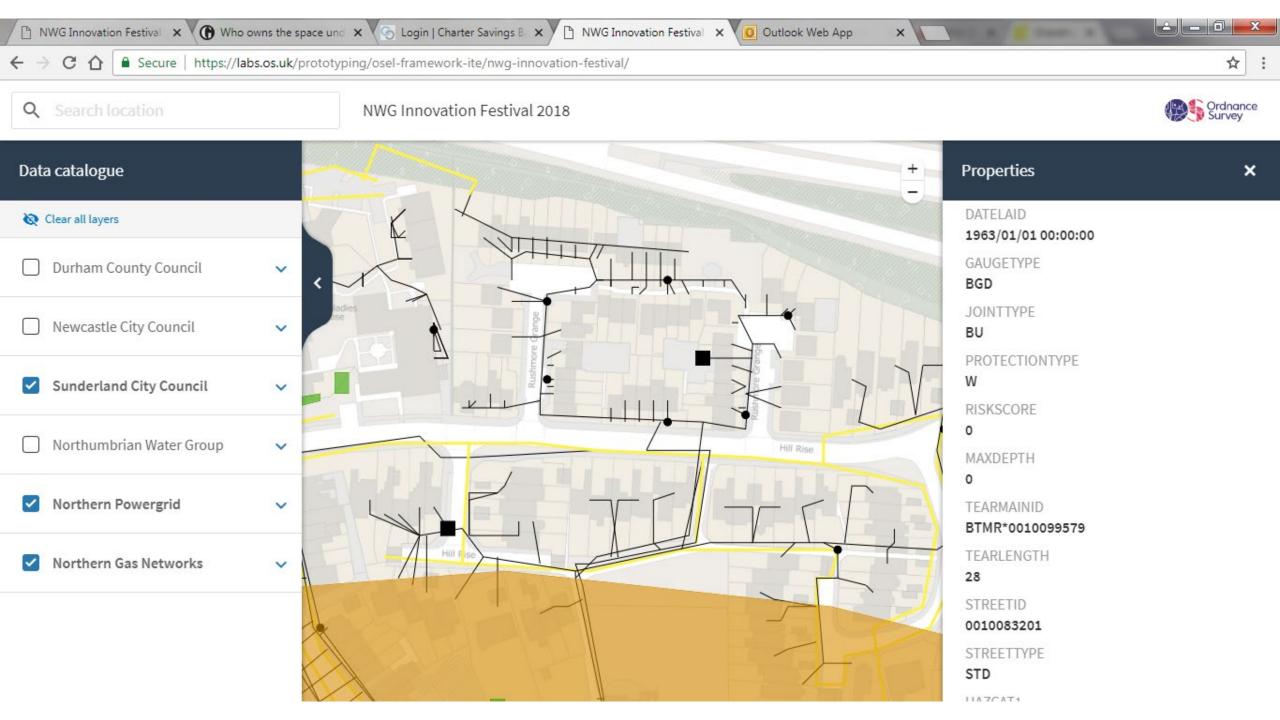
Water supply network: In 2013/14, three water companies spent an additional £80 million responding to impacts of groundwater infiltration.

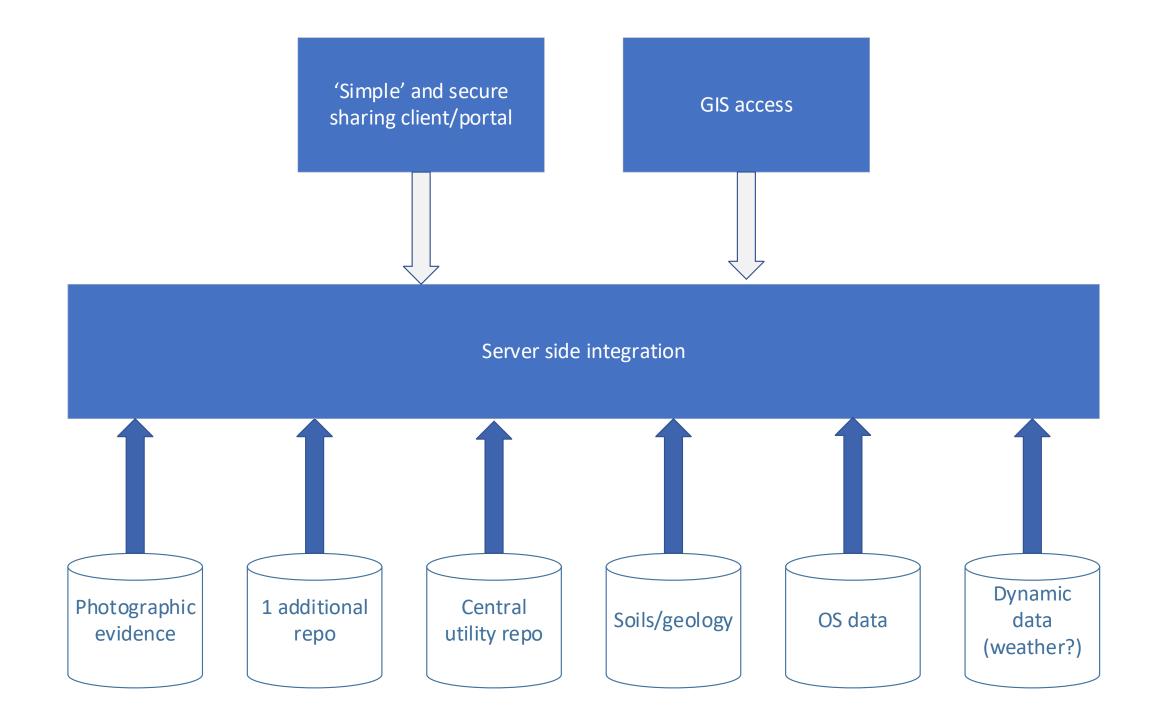
Leakage from the water supply network is significant due to aging infrastructure: for Thames Water's = 641ML/d (about ~25% of daily supply).













Newcastle innovation festival outcomes

• Interoperable system architecture enabling use of data in existing system

 Requirements and business case for individual network owners as well as macroeconomics

Data sharing agreement



Thank you!

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