Whitespace Spectrum

If you love something set it free...

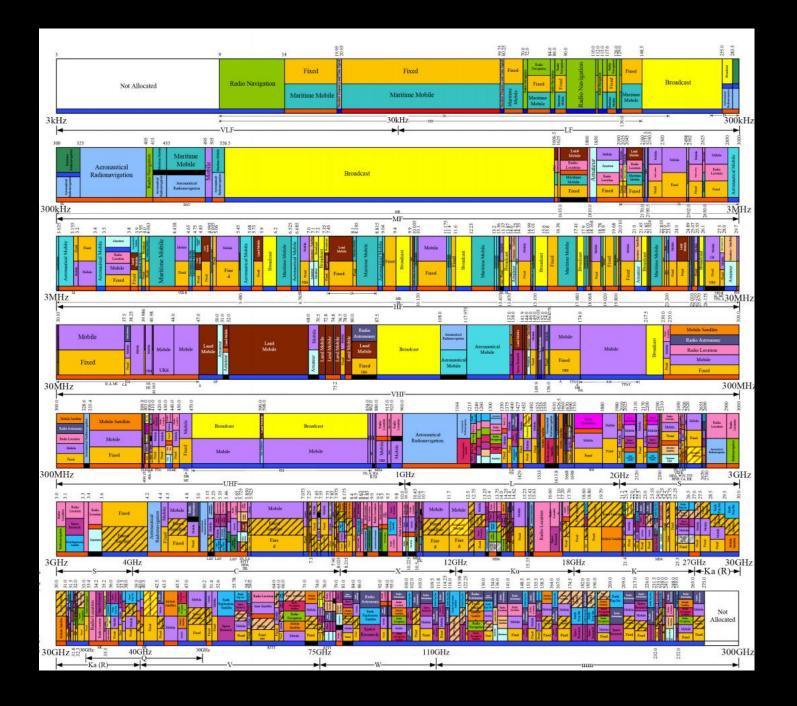
love-hz.com @WeLoveHz

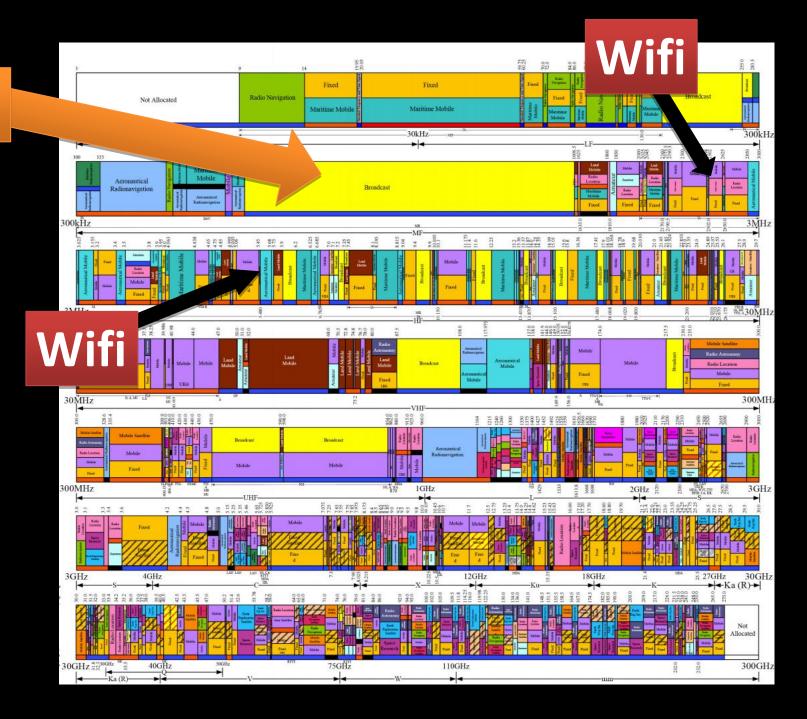






SPECTRUM





TYPES OF LICENCE

Expensive & Controlled

Licensed

GSM, 3G, 4G, Microwave links

Light Licensed

5.8Ghz



TV Whitespace

Unlicensed

2.4GHz, 5.4GHz: Wifi, Bluetooth



"By 2008, devices operating in licence-exempt spectrum outsold those using licensed spectrum including the totality of televisions, radios and cellular phones." (Thanki 2012)

WHAT WOULD VINT DO?

"I would never do another radio spectrum auction. Think of how much GDP growth was generated by open spectrum WiFi"

-- Vint Cerf



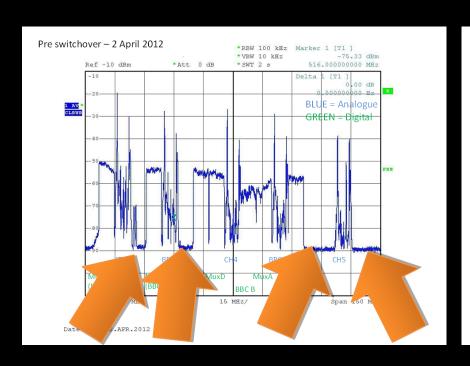
SHARE IT

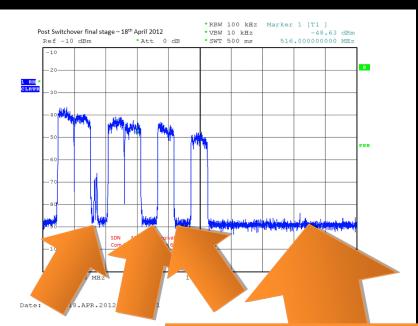


WHAT IS A TV WHITESPACE?

PRE-SWITCHOVER

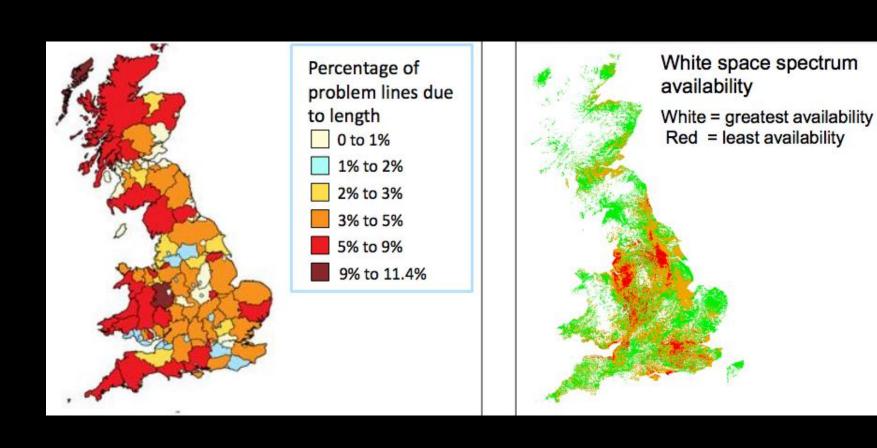
POST-SWITCHOVER





DIVIDEND!

WHERE ARE TV WHITESPACES?





RANGE, BANDWIDTH, AVAILABILITY

Whitespace

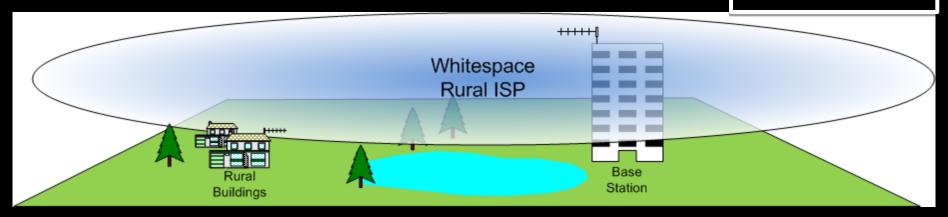
10km

16Mbps per channel

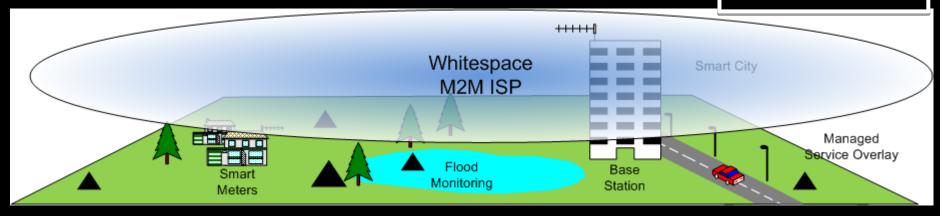
Sparsely Populated Areas

APPLICATIONS

RURAL BROADBAND



INTERNET OF THINGS

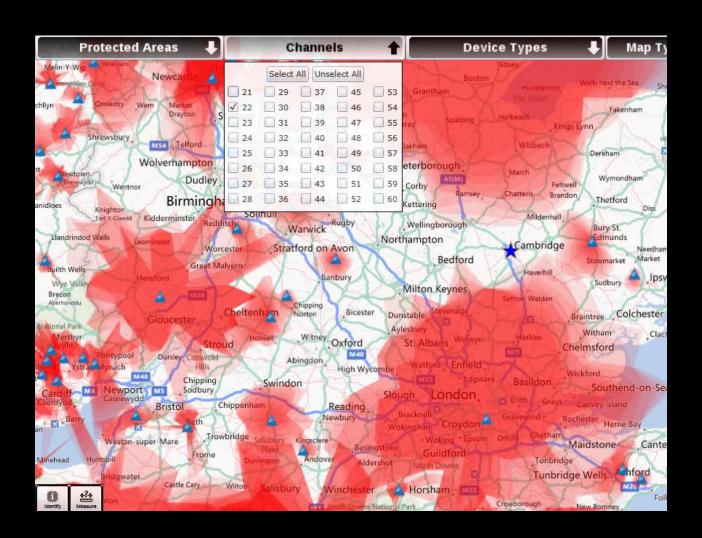


WHAT CAN YOU DO?

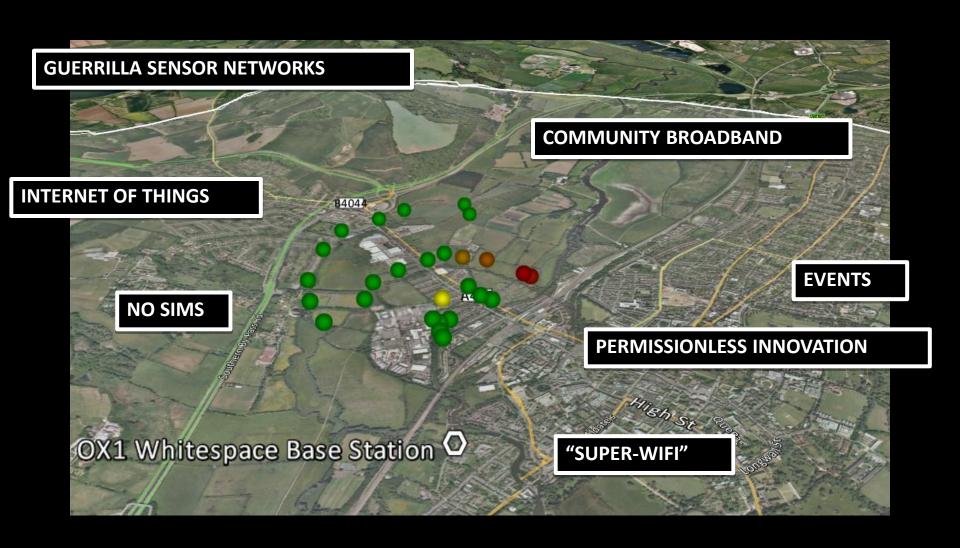


FIND A WHITESPACE NEAR YOU

http://uk-whitespaces.spectrumbridge.com



OCCUPY SPECTRUM



WHAT DO YOU NEED?











WHEN DO WE START?

Ben Ward
love-hz.com
@WeLoveHz

