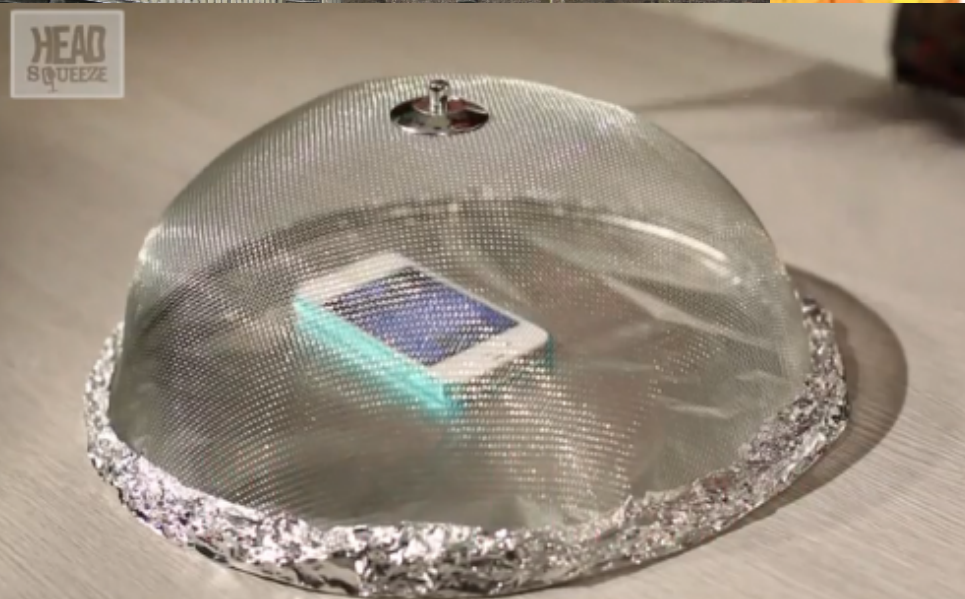
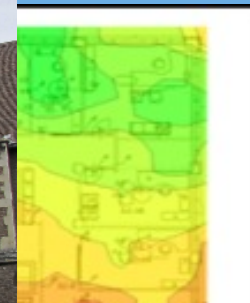


How we networked the Tour de France

Jon Holgate



Wireless deployment



Students



Connecting Cambridgeshire

The screenshot shows the homepage of the Connecting Cambridgeshire website. At the top left is the logo for Connecting Cambridgeshire, which consists of a stylized network of lines and dots next to the text 'connecting CAMBRIDGESHIRE'. To the right of the logo is a search bar with the placeholder text 'Search for...' and a magnifying glass icon. Further right is the email address 'contact@connectingcambridgeshire.co.uk' and a Twitter icon. Below these elements is a horizontal navigation menu with the following items: HOME, MY AREA, HOW DO I GET IT?, Q&A, WIDER PROGRAMME, and ABOUT. The 'HOME' item is highlighted with a white background. Below the navigation menu is a large purple banner with white text that reads: 'CHRISTMAS WILL BE SUPERFAST FOR THOUSANDS MORE HOUSEHOLDS THIS YEAR THANKS TO THE RAPID PROGRESS OF THE FIBRE BROADBAND ROLL-OUT. READ MORE HERE.' The banner has left and right arrow icons. Below the banner are several content blocks. On the left, a light blue box contains the text 'When will my area get high speed fibre broadband and how do I get it?' and a link 'Check coverage in your area'. To the right of this is a dark purple box with the text 'Premises reached by the programme so far...' and the number '48,478'. Below these are two more content blocks. On the left, a dark blue box contains the text 'What can I do with faster broadband?' and a link 'Discover how you can benefit from broadband'. To the right is a light blue box titled 'Questions & Answers' with a 'View all' link. It contains three questions: 'Do I have to order superfast broadband from BT?', 'When will you be able to give me updated information about my area?', and 'Will all premises in an area get improved broadband at the same time?'. At the bottom of the page, there are three more content blocks. On the left is a purple box titled 'Latest News' with a 'View all' link and a link to 'Superfast Christmas for thousands more Cambridgeshire households'. In the middle is a white box titled 'Case Studies' with a 'View all' link and a small image of a woman. On the right is a white box titled 'Tweets' with a 'Follow' button. It shows a tweet from 'Connecting Cambs @ConnectingCambs' with the text 'Councillor Bates being interviewed about reaching 50,000 premises by Christmas. #DigitalBritain pic.twitter.com/ArXep6msh7' and a timestamp of '16h'.

The Tour is coming to town....

January 2014

Le
de TOUR
France

CAMBRIDGE

7 JULY 2014 : STAGE 3

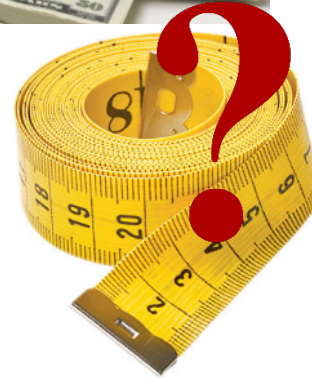
Project Evaluation

Known's



Known

unknown's



How many people.....?

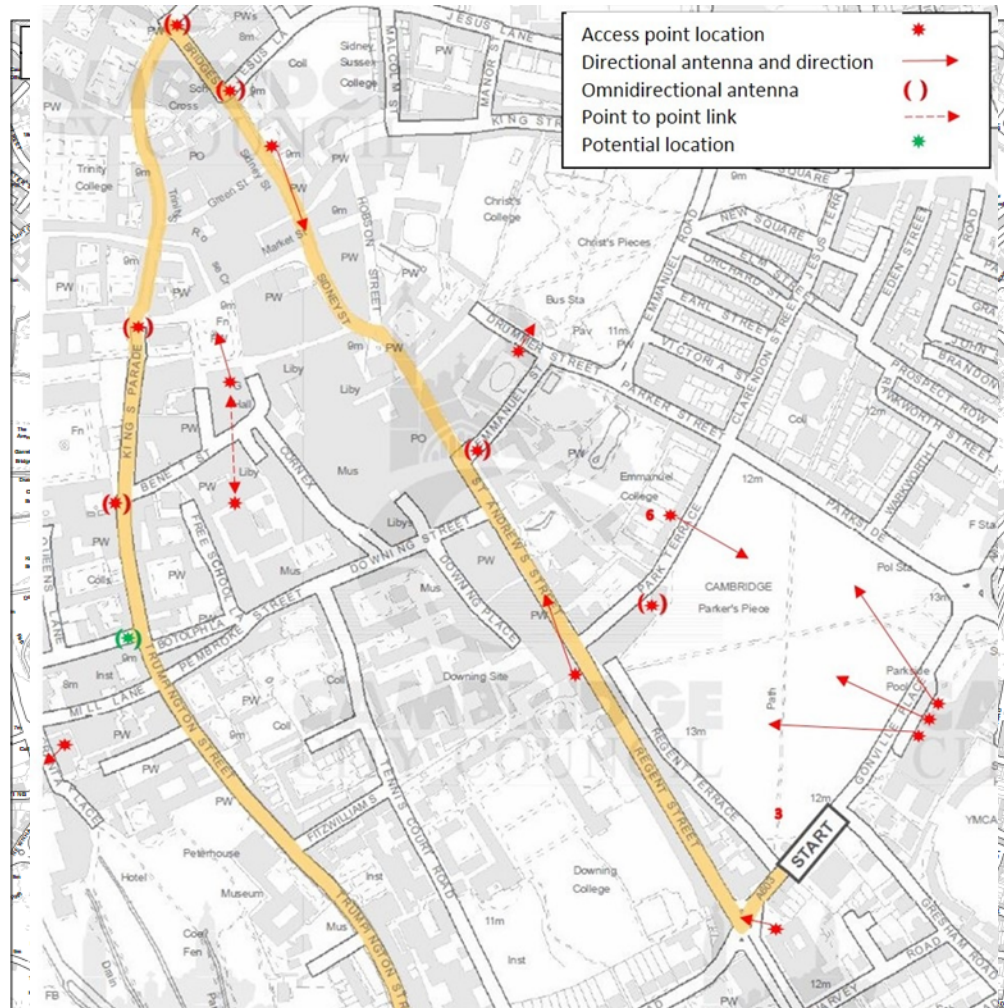
February 2014

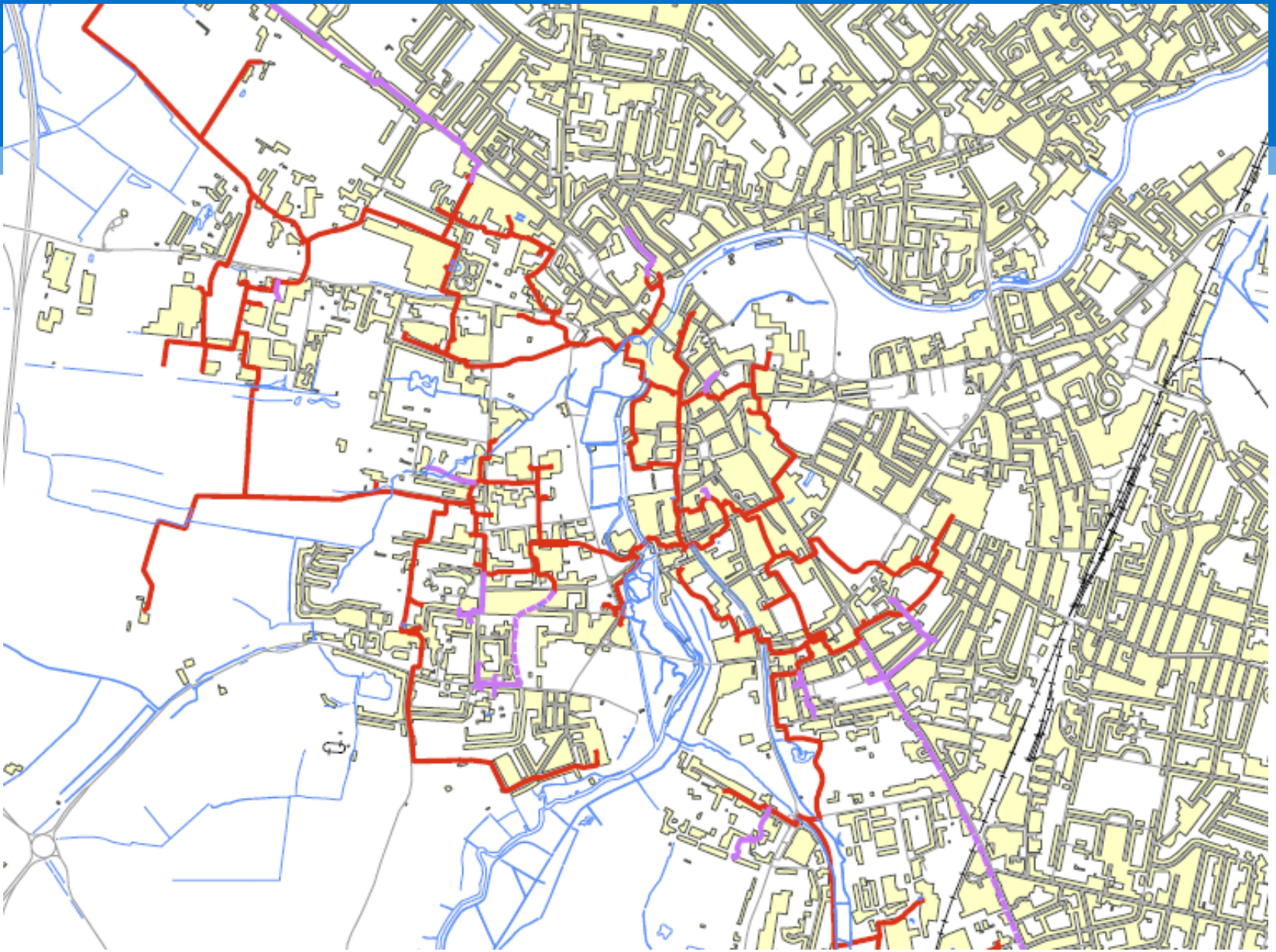


PROJECT
APPROVED

July 7th 2014

Cover the route





Tour de France plan



Tour de France 2014 – sample site

ACTION	Date Completed	Deadline	UCS Lead
Initial survey & coverage planning	10 th Jan		AC
Premises Approval	13 Feb	JH	
LA Planning Approval	28 April	EM	
Power Arrangements Agreed	7 March	AC	
GBN Access Agreed	7 March	RC	
Equipment Location Agreed	7 March	AC	
Way leaves Obtained	24 March	RC	
Section 50 Obtained	24 March	RC	
Equipment Ordered	3 March	AC	
GBN Completed	4 April	RC	
Equipment Installed	9 May	NH	
Equipment testing & evaluation	25 May	JH	
RFS Date	30 May	RF	

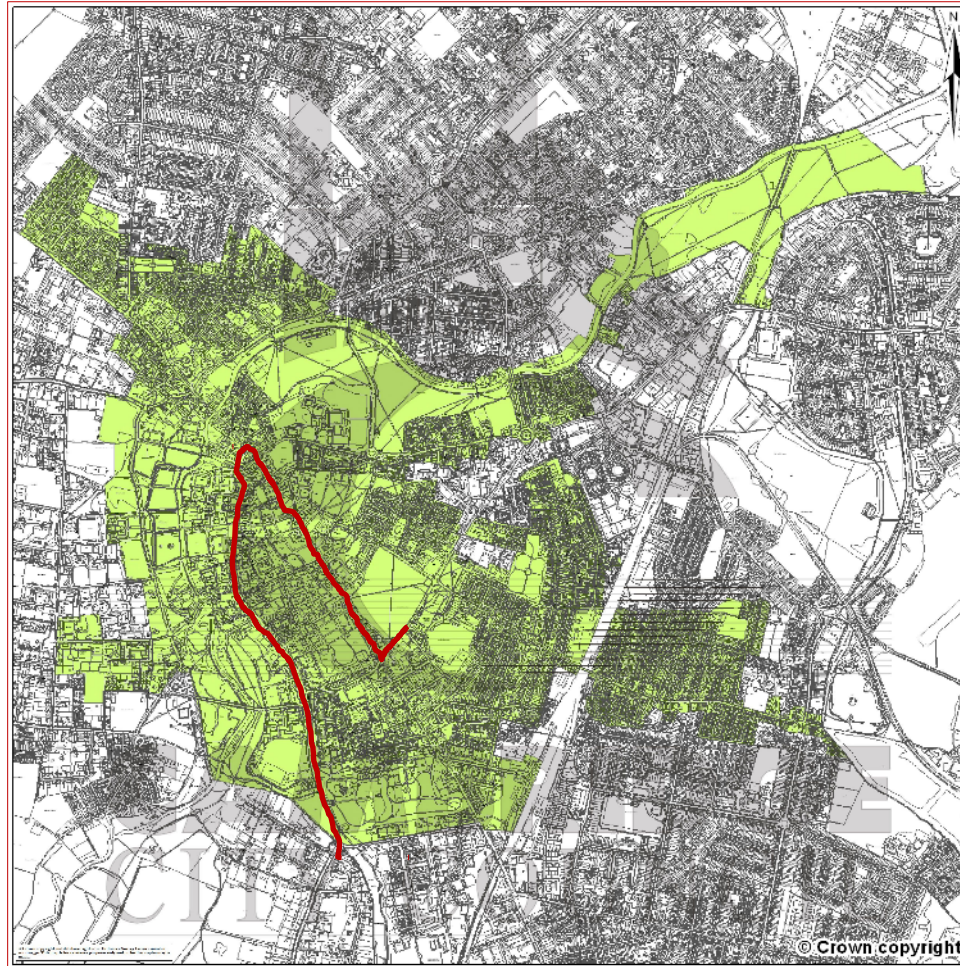
Key Contacts :-

CCTV Manager - Martin Beaumont martin.beaumont@cambridge.gov.uk 01223 457390

LA Planning Officer – Toby Williams Toby.Williams@cambridge.gov.uk 01223 457312

EM – Richard Griffin Richard.Griffin@admin.cam.ac.uk 01223 7(65637)

Conservation area



Planning consent

EV

NOTICE BY THE COUNCIL, FINANCE COMMITTEE, AND THE GENERAL BOARD SITES AND BUILDINGS REGULATIONS

Adopted and approved on 21 July 2014 by Order of the Council, Finance Committee, and the General Board, following approval of Grace 5 of 21 May 2014.

Distributed by the Registry to all Heads of Department.

Terms beginning with capital letters are defined in Schedule 5 where necessary to aid interpretation.

1. Scope and responsibilities

1.1 The Council, Finance Committee, and General Board have responsibilities in relation to University land and buildings.¹ These regulations are issued as part of the discharge of those responsibilities and to facilitate compliance with Statutes and Ordinances. In particular these regulations seek to set out in one place the arrangements for management of University land, buildings, and capital projects from a technical, operational, and financial perspective.

1.2 A Grace is required for the disposal of land of present or prospective use to the University;² and for substantial alteration of an existing University building (understood as involving aesthetic as well as financial considerations), the erection of a new University building or the demolition of an existing University building.³ Disposal of land means the sale or transfer of any freehold or leasehold property or the grant of a lease for more than 60 years.⁴

1.3 These regulations apply to all University land and buildings owned or leased or to be acquired by the University and related capital and maintenance expenditure. The regulations must be followed by all Staff; all Departments and University subsidiary companies but not Cambridge University Press except where specifically provided (the Press is governed by its own Statute and Ordinances) or in general Cambridge Assessment (see further Schedule 2).

1.4 Compliance with these regulations does not remove any requirement to comply with the University's Financial Regulations issued by the Council.

1.5 Committee and other responsibilities in relation to land and buildings are set out diagrammatically in Schedule 1 and summarized in Schedule 2.

1.6 Breach of these regulations may result in disciplinary action and will be reported to the Registry, who will then report to the appropriate committee.

2. Approvals and contract execution

2.1 Projects which relate to land and buildings require Expenditure Approvals and in some cases Specific Operational Approvals. The Expenditure Approvals are set out in Schedule 3 and the Specific Operational Approvals in Schedule 4.

2.2 Compliance with Schedule 3 satisfies the requirement in Financial Regulations for Capital Approval.⁵

2.3 Heads of Department (see definition in Schedule 5) shall

(a) take all necessary advice and

(b) for projects involving their Department secure the approvals required by these regulations before any contractual commitment is given.

2.4 Subject to the issue of Expenditure and Specific Operational Approvals, the Head of Estate Management shall approve and sign all contracts for the purchase, lease or licence of land or property or for the erection,

¹ Statutes A IV 1, F I 1(a), F II 2-3, and Regulation 2 of the regulations for Financial Matters.

² Regulation 2(a) of the regulations for Financial Matters.

³ Statute F II 3.

⁴ Regulation 2(a) of the regulations for Financial Matters.

⁵ Financial Regulation 18.1.

3.7 The Buildings Committee oversees applications for planning approvals for the Operational Estate and is consulted by Cambridge University Press and Cambridge Assessment about planning applications for premises and land in the city of Cambridge. Planning Applications which it considers are inconsistent with the University's long term estate strategy and agreed principles for planning and design may be referred to the Estates Strategy Committee before any approval is given. It is highly unlikely to proceed.

Parkers Piece



AP-175



AP-275



Lamp posts

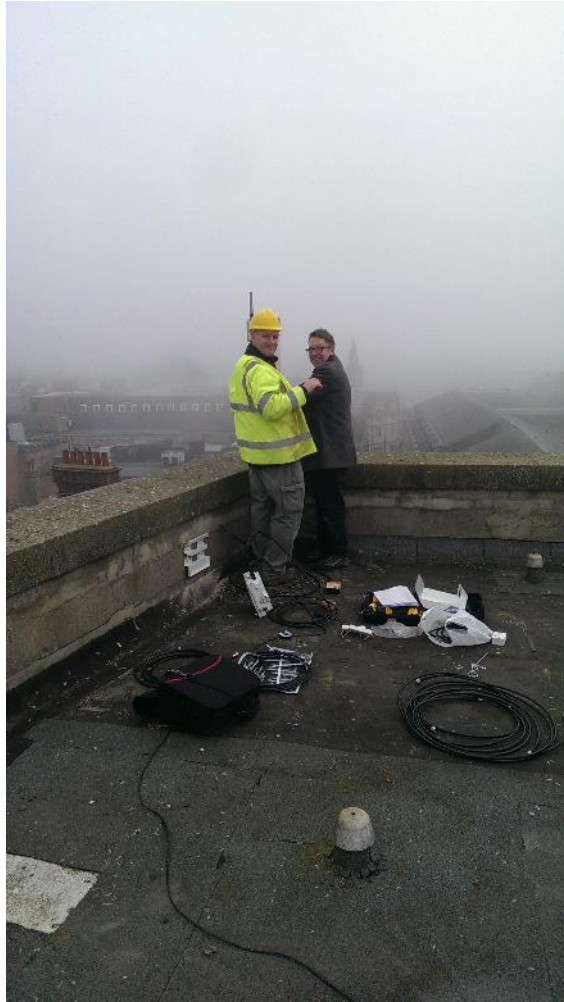


Street Furniture

CCTV



Installing



GSM masts



Band pass filter



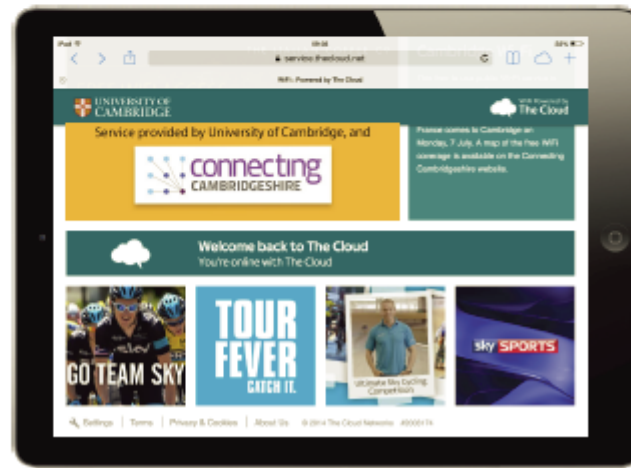
Free Public Wifi

janet



Working with 'The Cloud'

New UI- Cambridge University



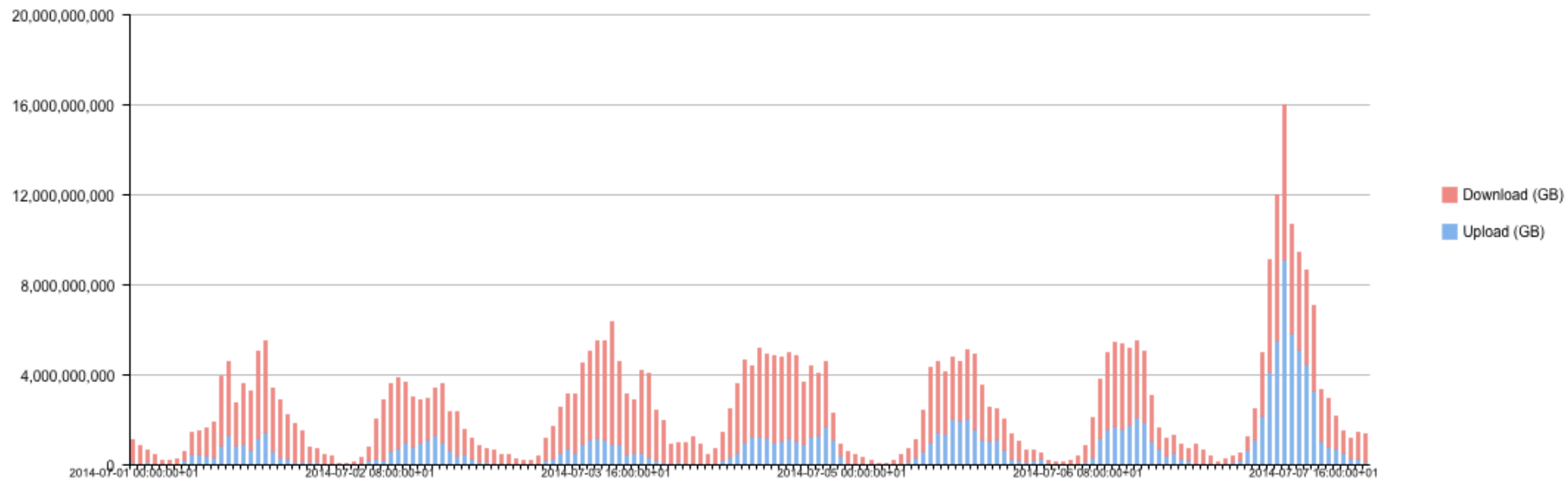
Media launch



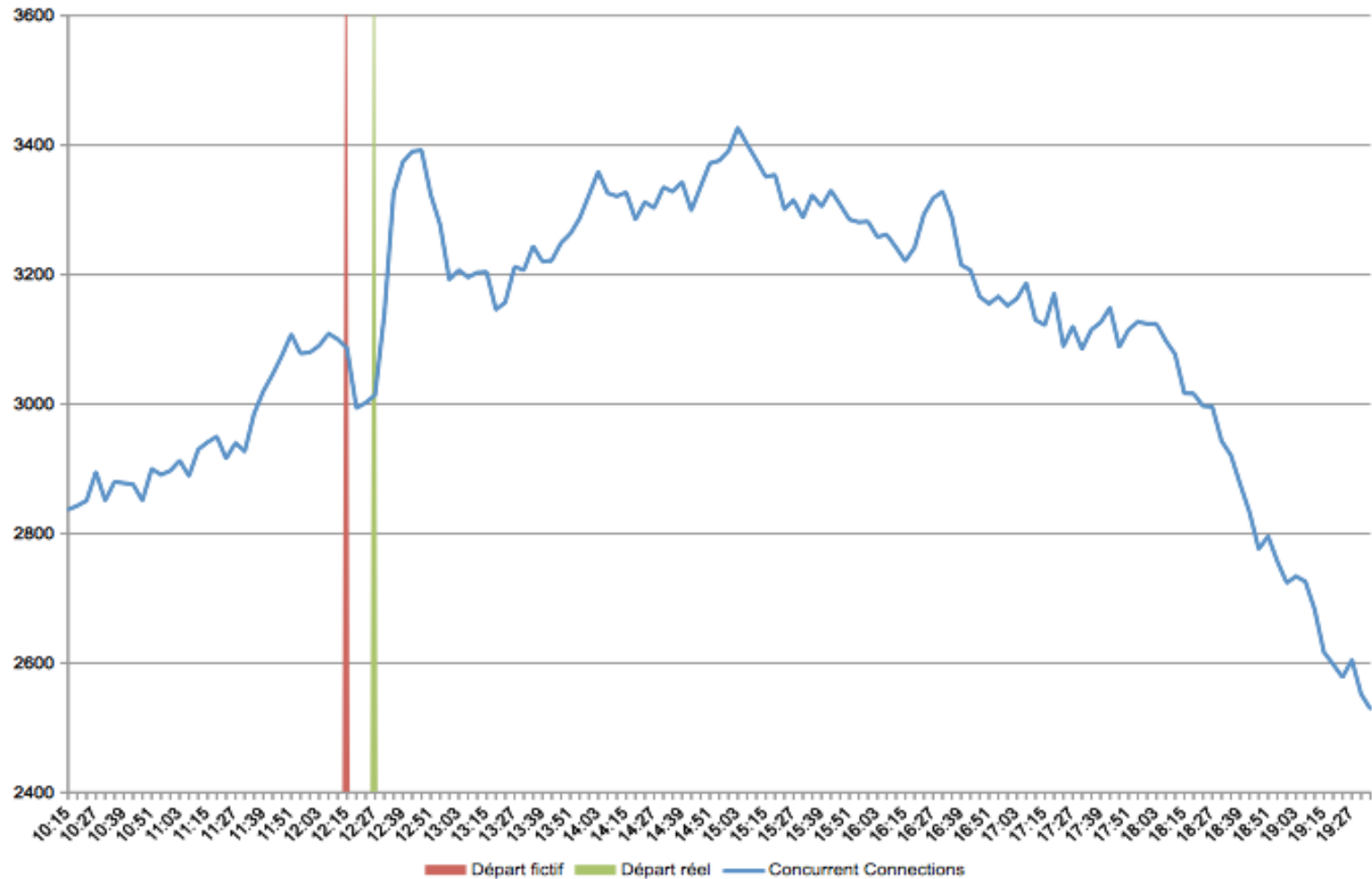
On the day



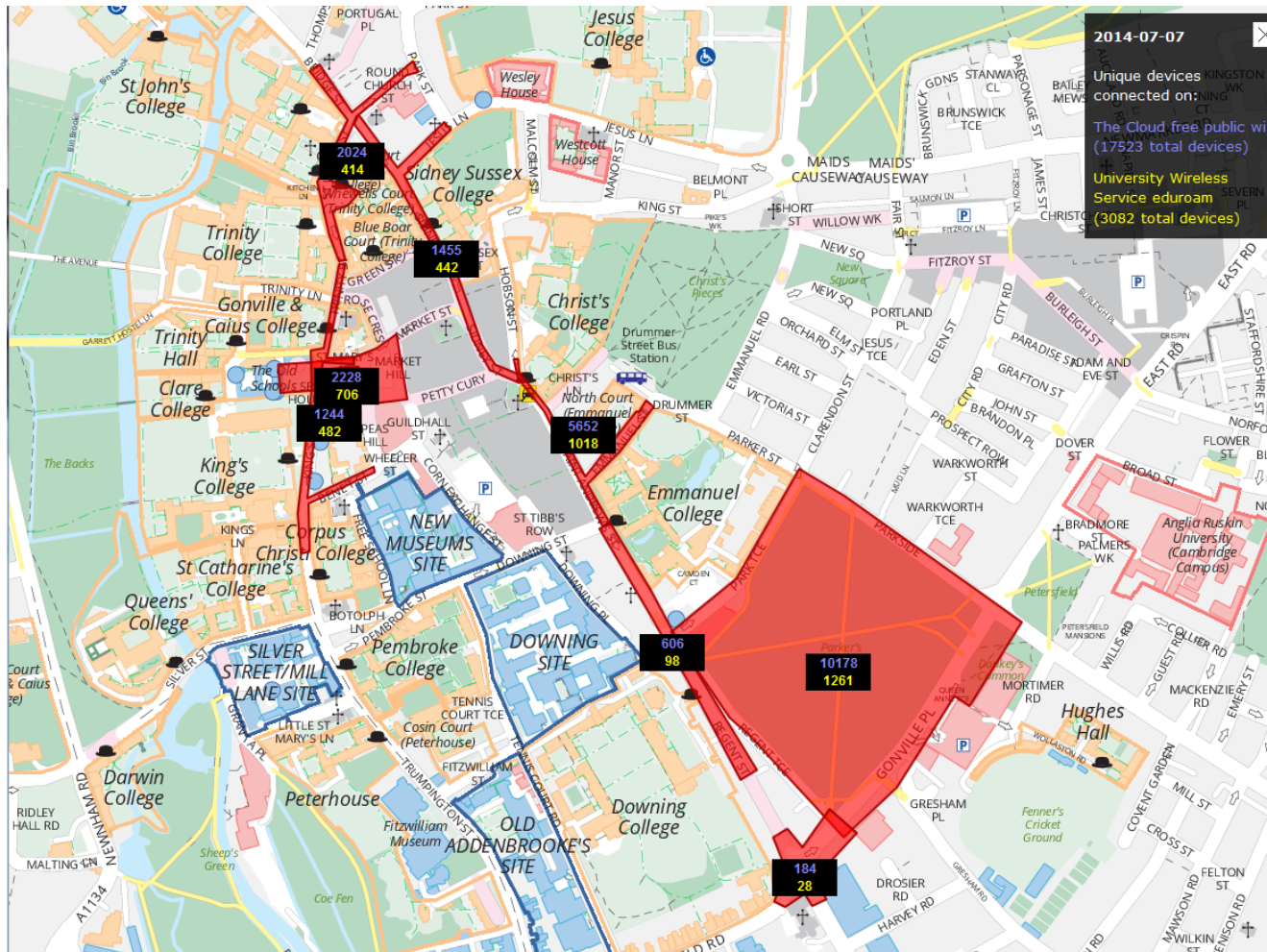
On the day



On the day



On the day



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Personal observations

The number of connected devices was far lower than the expected footfall.

The system is STILL being used...

...at capacity...

...even when an event is not in progress.

I expect many people could not connect on the day (but I could).

The cloud router is under-specced.

We need to write better monitoring scripts.

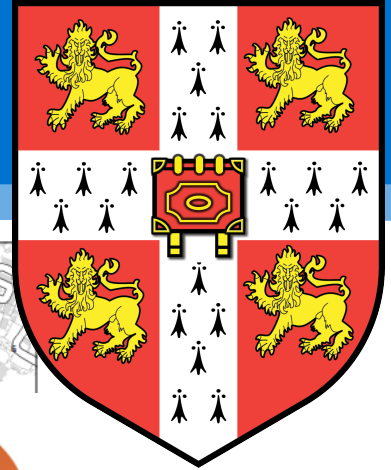
What next?



Lessons learned.....

John Henry
Group

Cambridgeshire
County Council

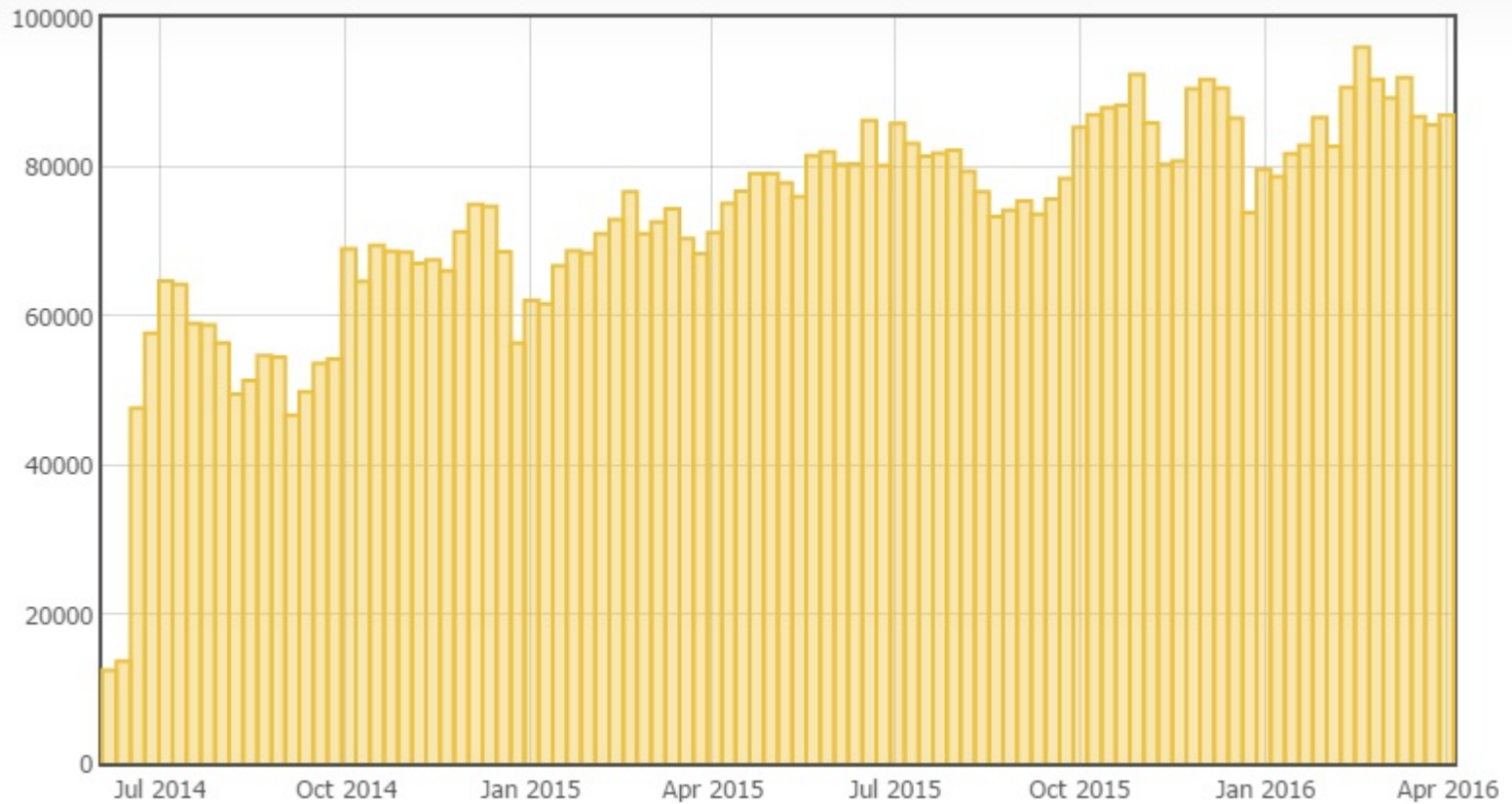


CAMBRIDGE
CITY COUNCIL



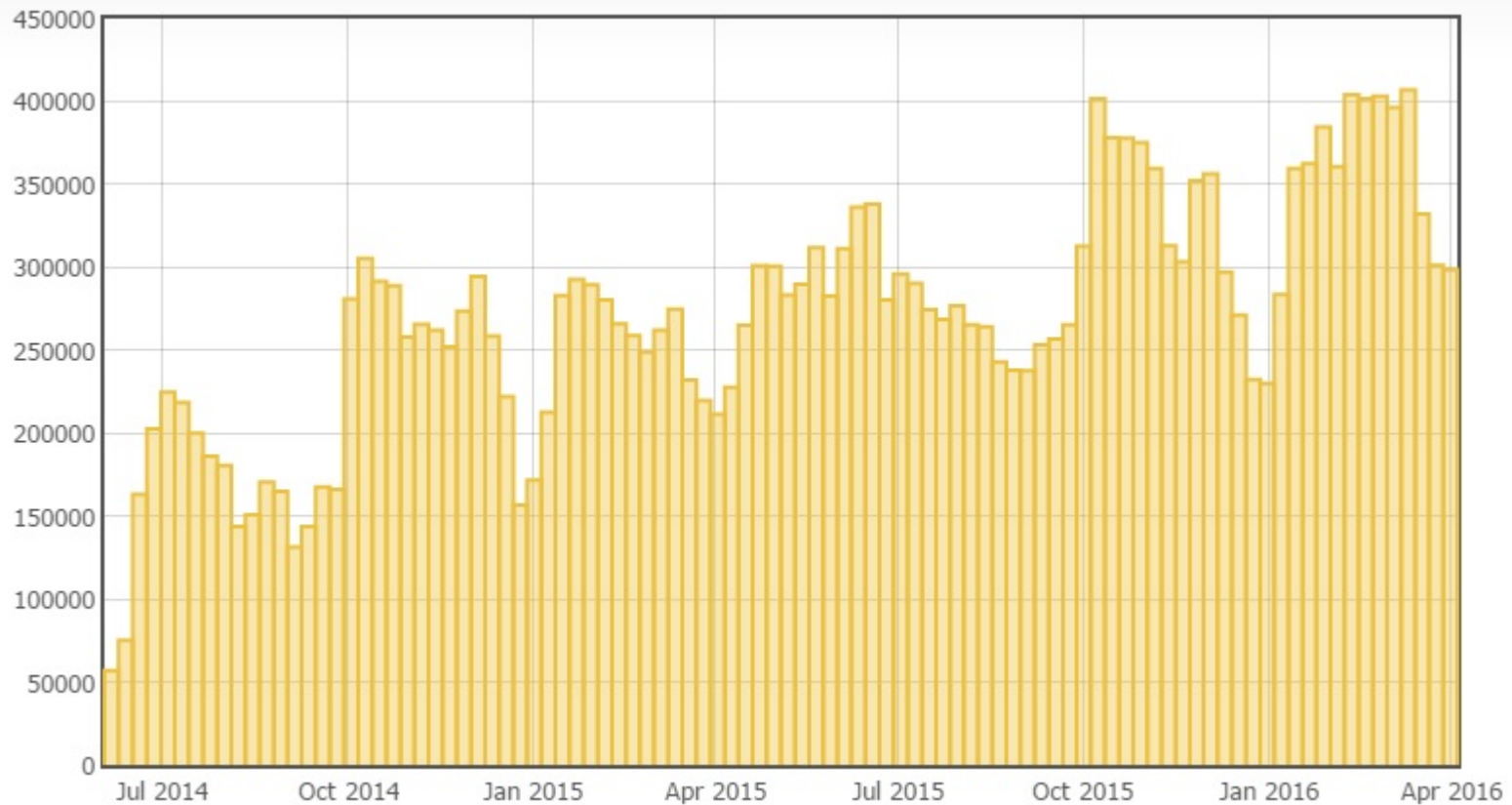
Ongoing usage

Devices (per week)



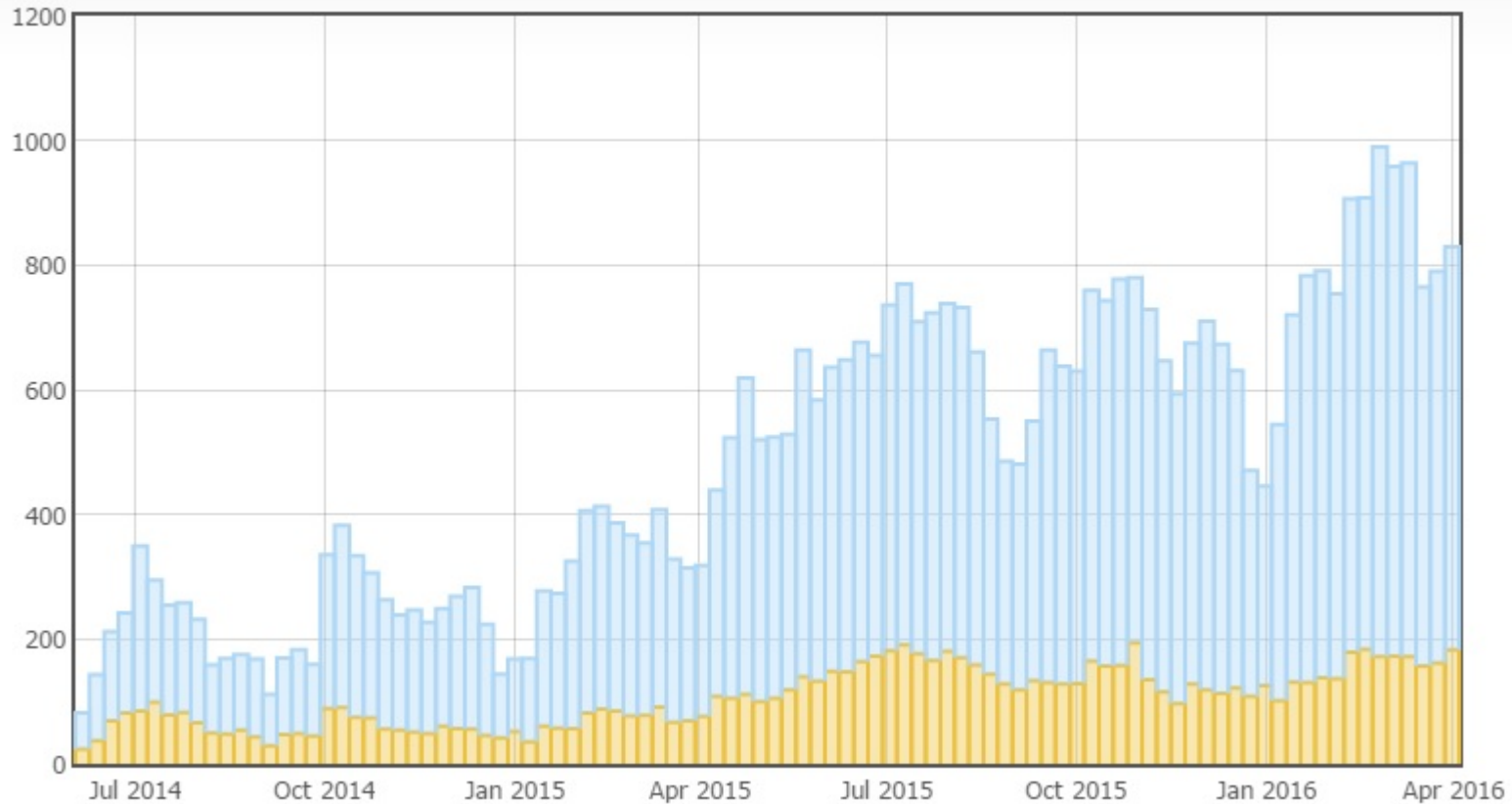
Ongoing usage

Sessions (per week)



Ongoing usage

Traffic in GB (per week)



Questions?

