

# The Future of Technology

Derek McAuley

Cheltenham Science Festival  
7<sup>th</sup> June 2011







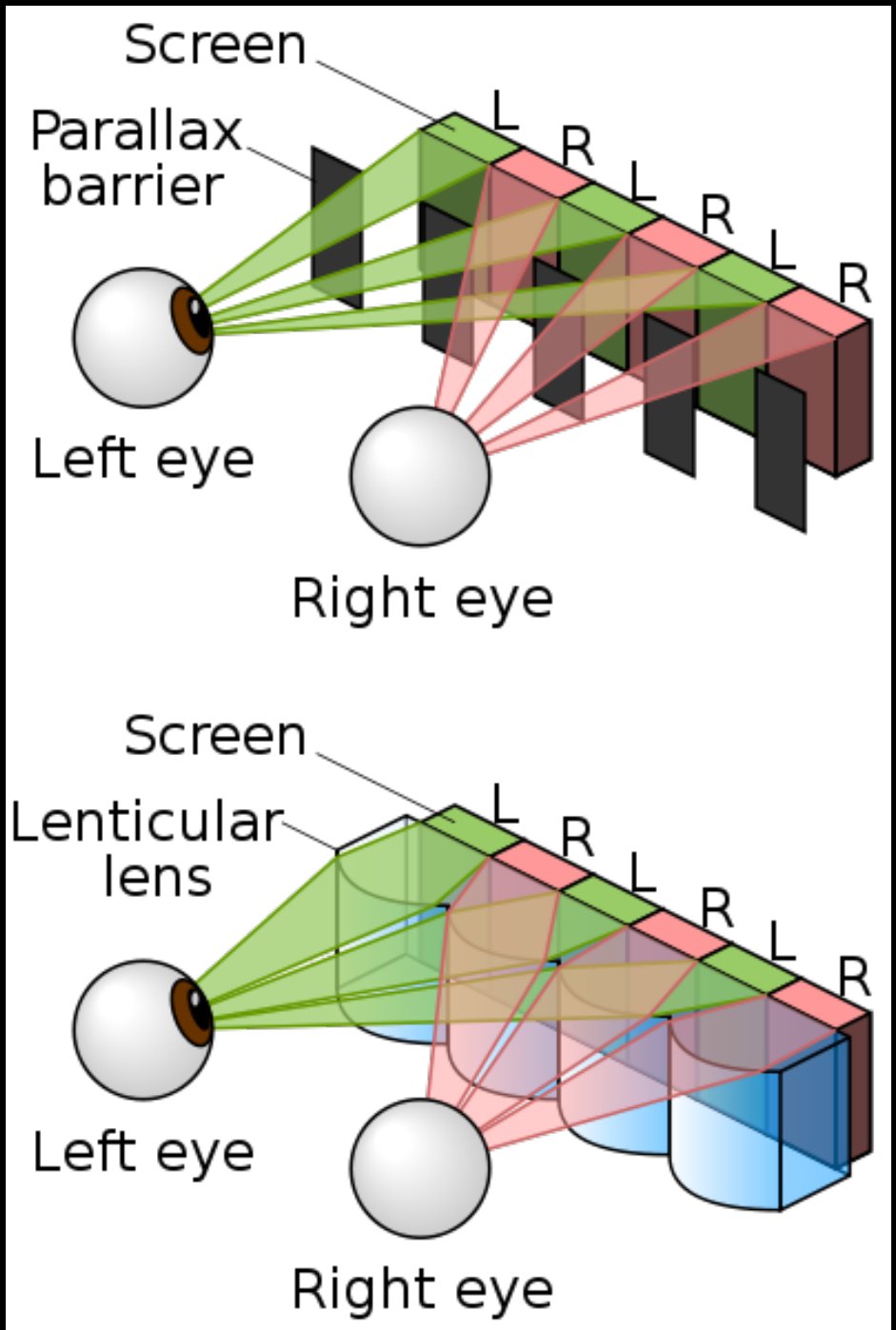
1990

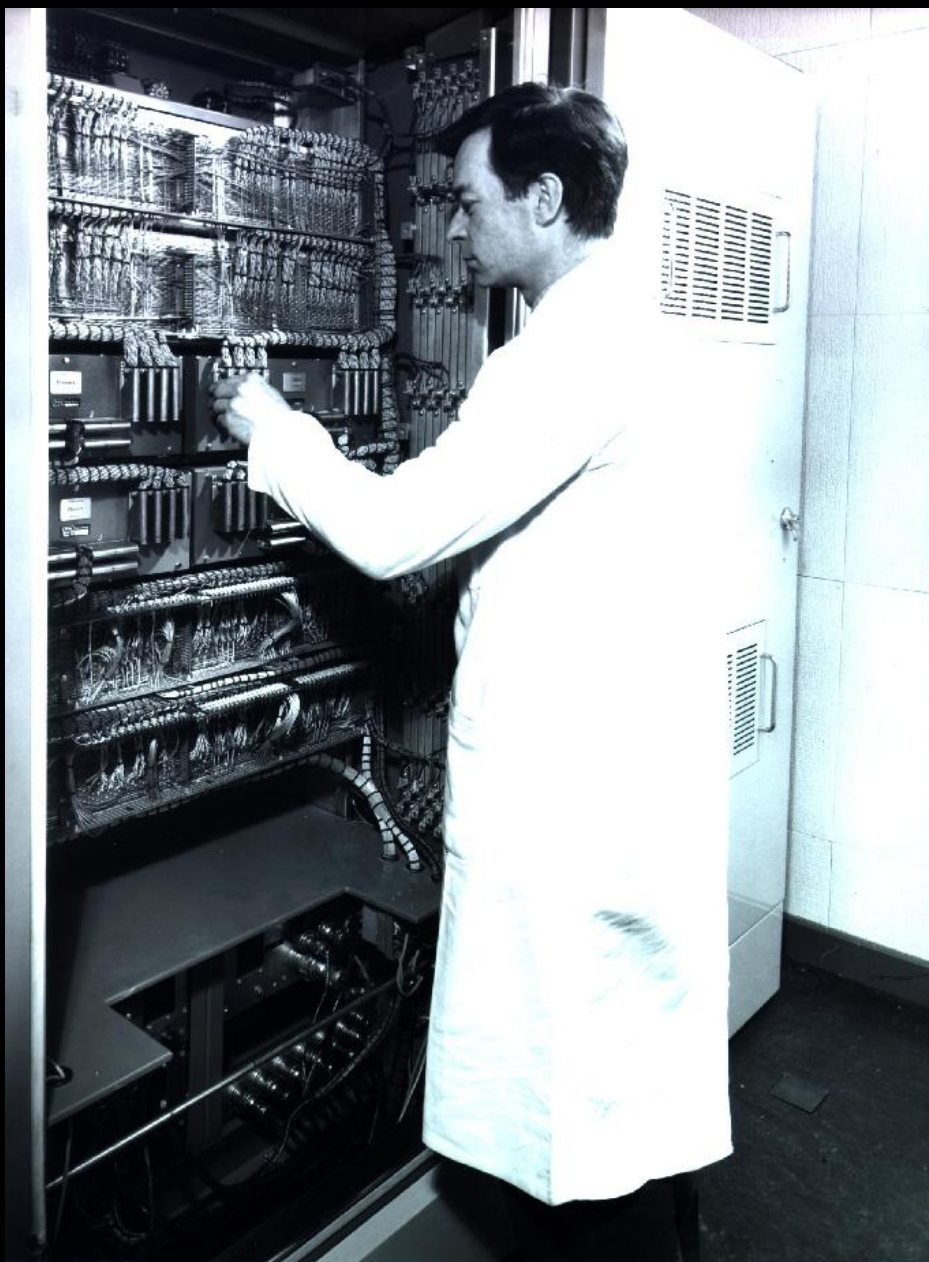


1995

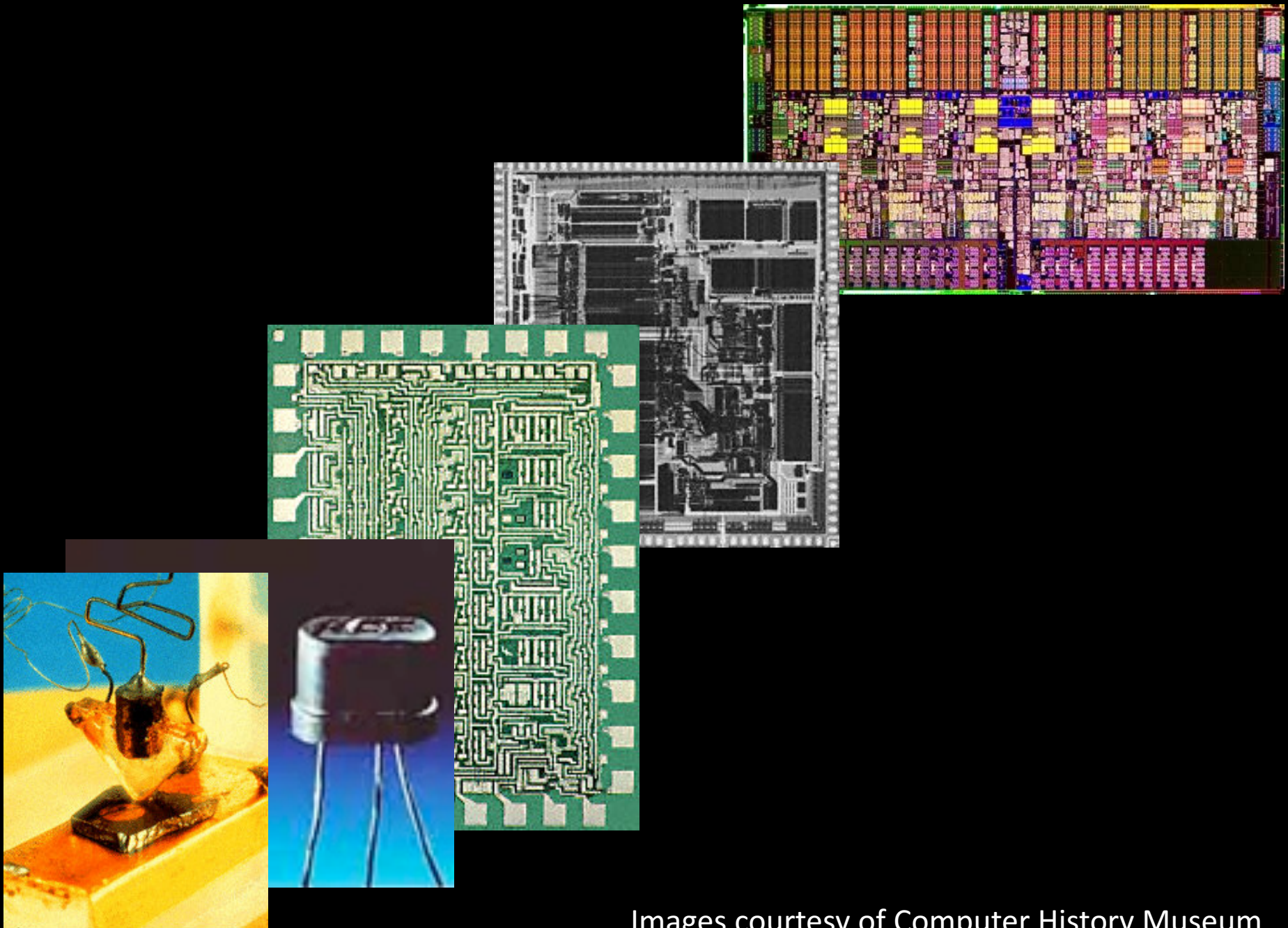


2011



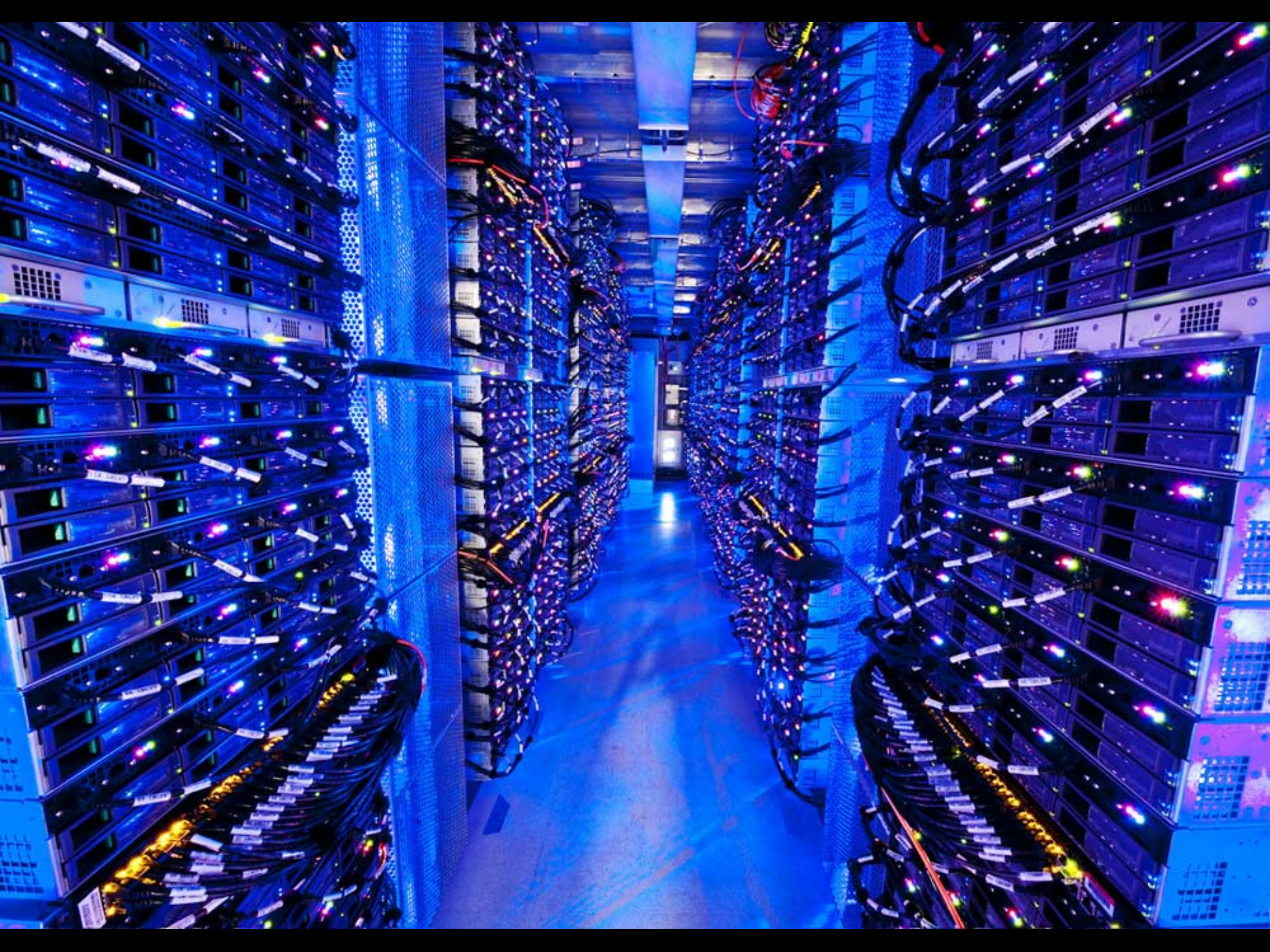






Images courtesy of Computer History Museum

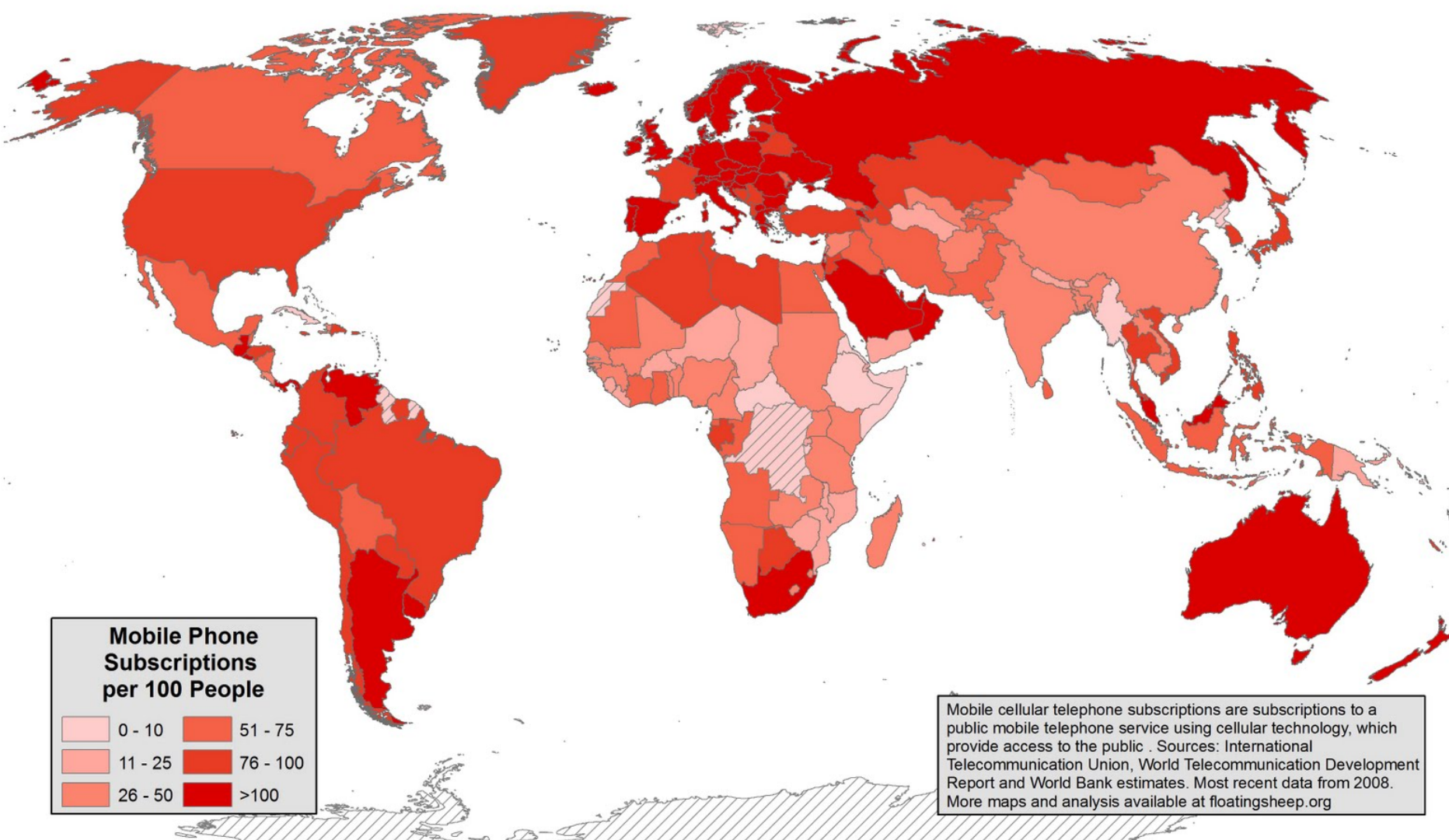




**animoto.com**







**Mobile Phone  
Subscriptions  
per 100 People**

0 - 10	51 - 75
11 - 25	76 - 100
26 - 50	>100

Mobile cellular telephone subscriptions are subscriptions to a public mobile telephone service using cellular technology, which provide access to the public. Sources: International Telecommunication Union, World Telecommunication Development Report and World Bank estimates. Most recent data from 2008. More maps and analysis available at [floatingsheep.org](http://floatingsheep.org)



1) Starfleet communicator, circa 2266.



2) Starfleet communicator, circa 2254.



3) Starfleet wrist communicator, circa 2271.

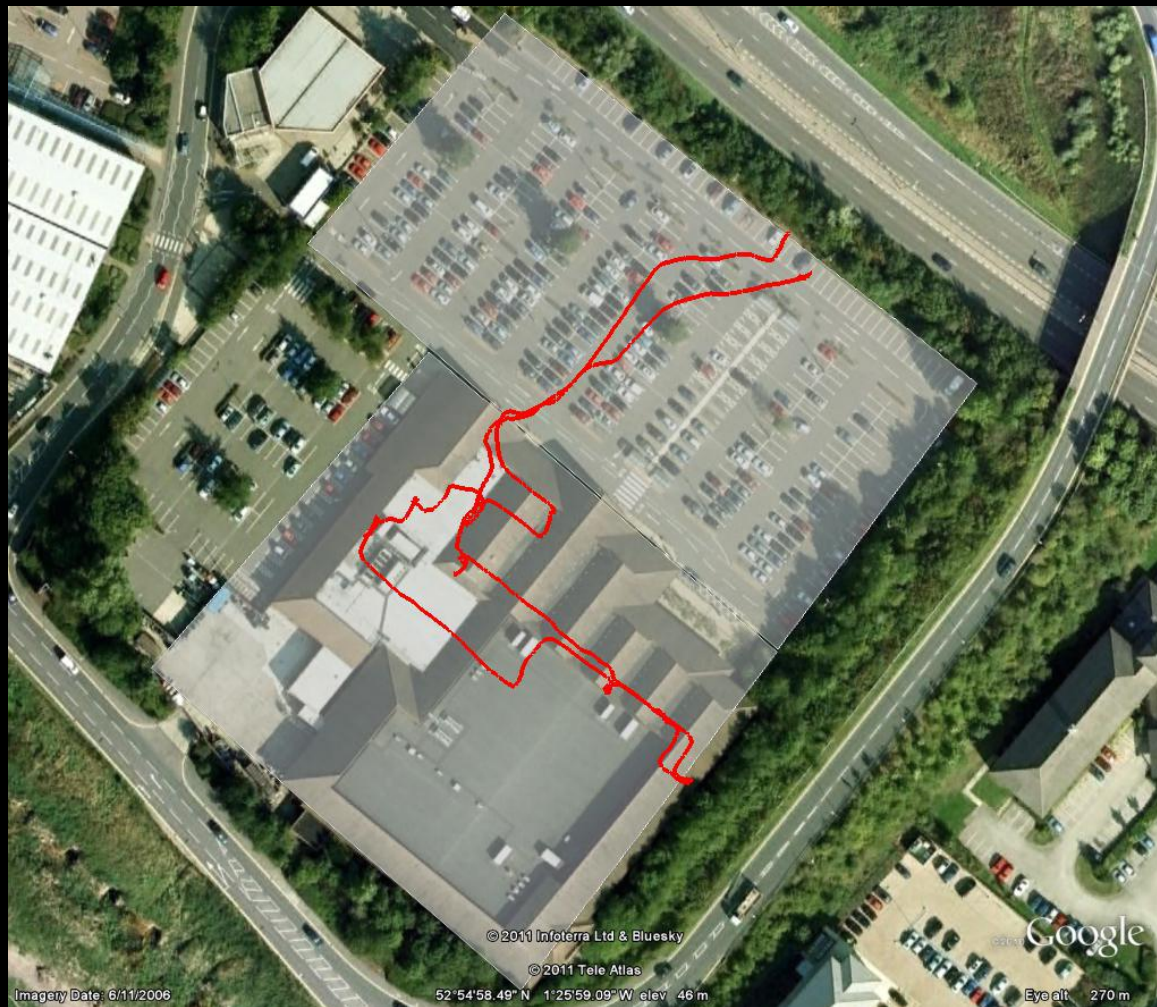
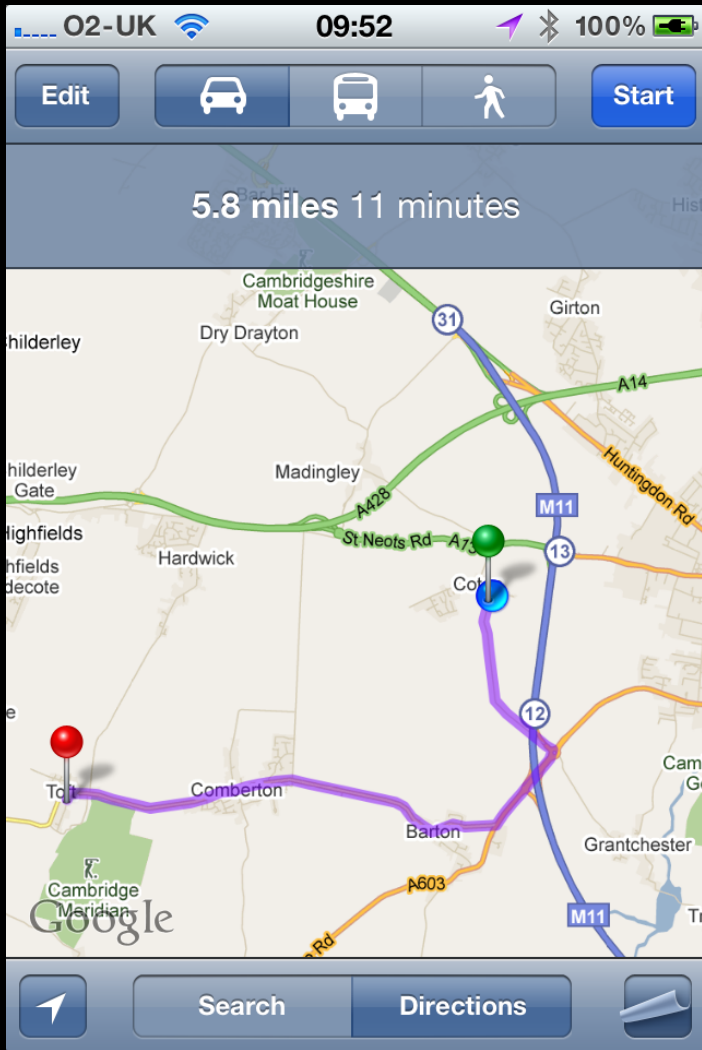


5) Starfleet Insignia communicator, circa 2371.



4) Starfleet Insignia communicator, circa 2364.









**BIENVENIDO  
AL FUTURO**

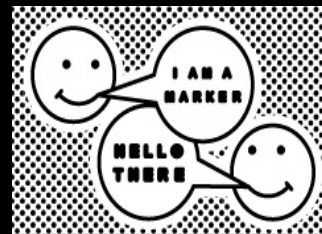


Spanish to English

**WELCOME  
TO THE FUTURE**



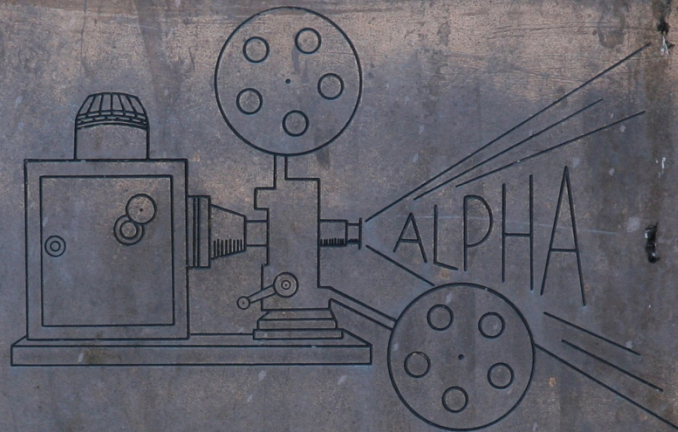








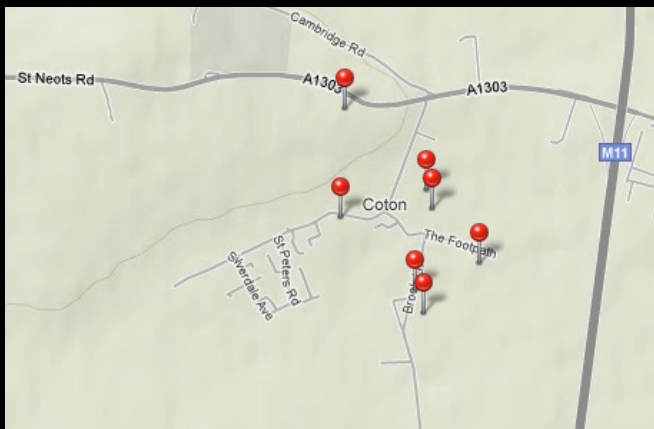




IN MEMORY OF  
**ARTHUR MELBOURNE-COOPER**  
PIONEER OF THE BRITISH FILM INDUSTRY

WHO LIVED AND DIED IN COTON  
NOVEMBER 24<sup>TH</sup> 1961 AGED 88 YEARS







## OpenStreetMap



The Free Wiki World Map

## Search

Where am I?

   
examples: 'Alkmaar', 'Regent Street, Cambridge', 'CB2 5AQ', or 'post offices near Lünen' [more examples...](#)

OpenStreetMap is a free editable map of the whole world. It is made by people like you.

OpenStreetMap allows you to view, edit and use geographical data in a collaborative way from anywhere on Earth.

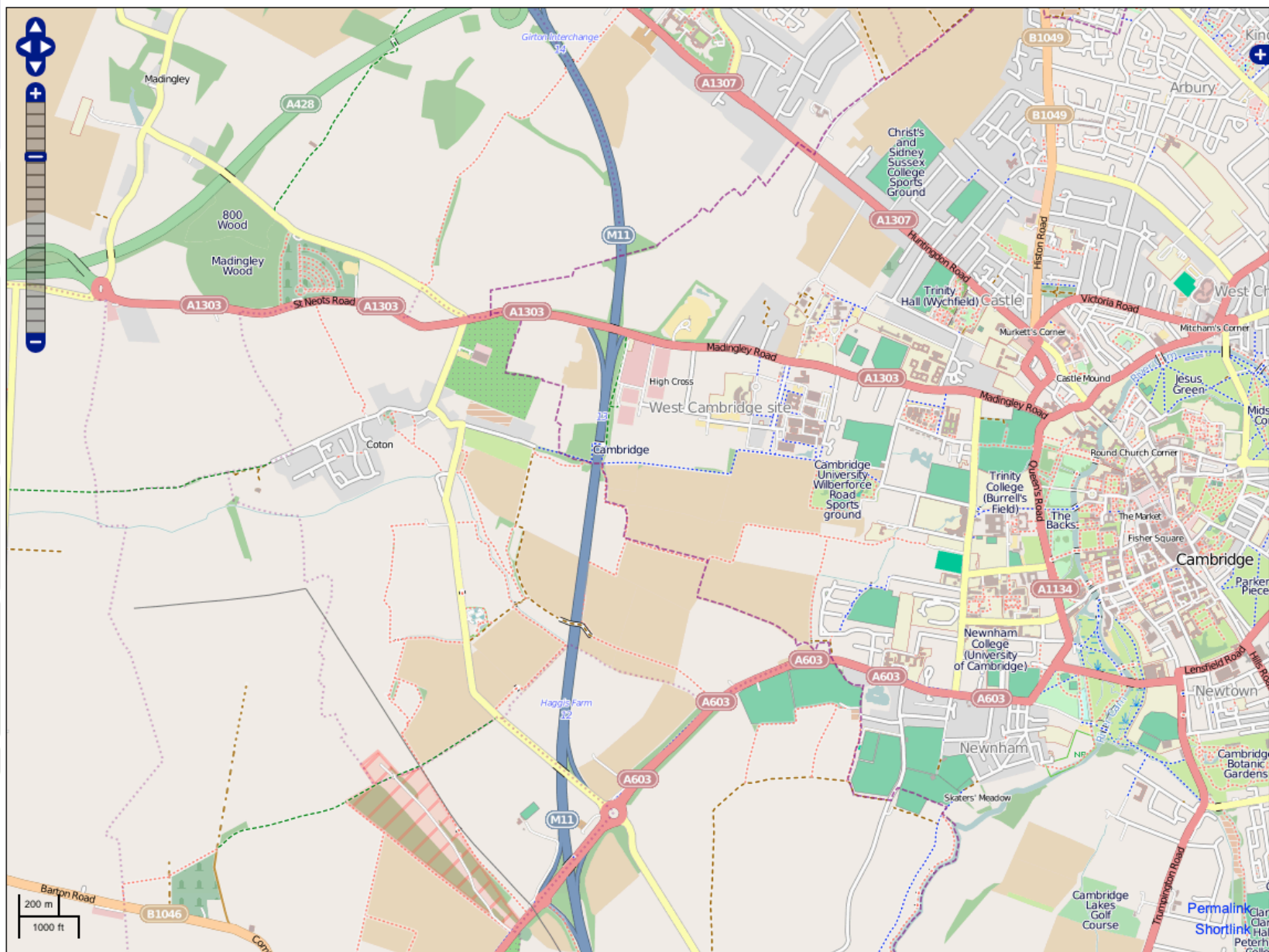
OpenStreetMap's hosting is kindly supported by the [UCL VR Centre](#) and [bytemark](#). Other supporters of the project are listed in the [wiki](#).

## Help Centre

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[Copyright & License](#)  
[Community Blogs](#)  
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[Map Key](#)

Come to State of the Map, September 9-11th, Denver  
The 5th annual international OpenStreetMap Conference

# SOTM

[Make a Donation](#)



oldWeather

HOME

VESSELS

TUTORIAL

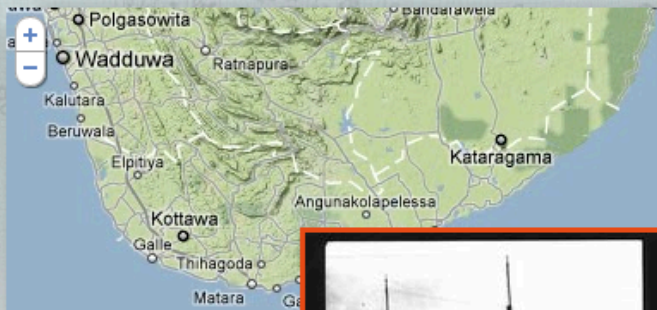
TRANSCRIBE

ABOUT

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GET STARTED



## HMS Merlin

Active: China

67% COMPLETE



CHommel is the Captain and 230 volunteers are following this vessel

Jump Aboard

Google

Map data ©2011 Google - [Terms of Use](#)

# Old Weather: Our Weather's Past, the Climate's Future



## Derek McAuley

♥ Married to Helen Moss [Add your current work information](#) [Add your education information](#) [Edit Profile](#)



Share: [Status](#) [Photo](#) [Link](#) [Video](#) [Question](#)

What's on your mind?

### Wall

- [Info](#)
- [Photos \(9\)](#)
- [Notes](#)
- [Friends](#)

### Married to



Helen Moss

### Friends (79)



James Sterbenz  
Kansas



Shao Jianhua  
Uni. Nottingham



Gary Burnett  
Uni. Nottingham



Ian Wakeman  
Uni. Sussex



Steve Uhlig



Christopher  
Bishop



Derek McAuley

Home is the sailor, home from the sea — at [The Plough](#)



The Plough



19 hours ago via iPhone · Like · Comment · Tag friends



Derek McAuley

Circuit complete... — at [Fiskardo](#)



Fiskardo



Saturday at 13:38 via iPhone · Like · Comment · Tag friends



Tim Ginger Panda Whitehead No Achievement ding ? :)

Saturday at 14:28 · Like · 1 person



Derek McAuley Rep only :-)

Saturday at 19:21 via Facebook Mobile · Like

Write a comment...



Derek McAuley was at Three Mills, Kionio.



Three Mills, Kionio

[Edit Profile](#)

### People you may know

[See all](#)



Sriram Srinivasan

2 mutual friends

[Add as a friend](#)



Matthew Adiletta

[Add as a friend](#)

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[whoslookingforyou.info](#)



Want to see who's searching YOU?

### London Bucket List

[partners.livingsocial.com](#)



365 Things-to-do in London

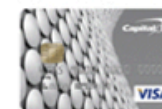
### What is the next number?

1	1	2
3	5	8
13	21	?

89,3% of people answer this question wrong? Try now!

### 60 Second Response APPLY!

[capitalone.co.uk](#)

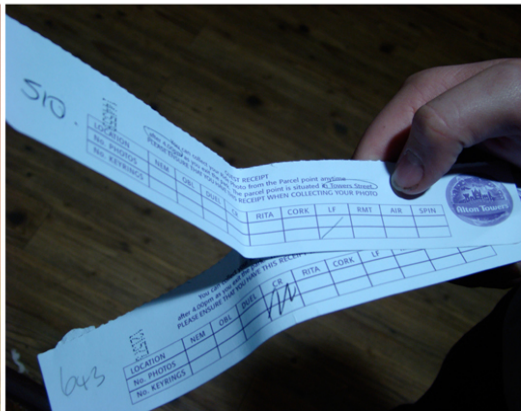


Apply today and get a response from Capital One in 1 Minute.



Image courtesy of Royal Veterinary College













MY HAIR MAY BE A MESS BUT AT  
LEAST I CAN SMILE AGAIN!



A man in a yellow polo shirt and a woman in a striped shirt are walking towards the camera on a paved path. In the background, a crowd of people is walking in the same direction. A sign for 'HOT DOGS' is visible in the distance. The scene is outdoors with trees and a grassy area.

**SHE HAS GOT TO  
BE KIDDING!!!**

**WHERE NEXT? SOMETHING FASTER?!**

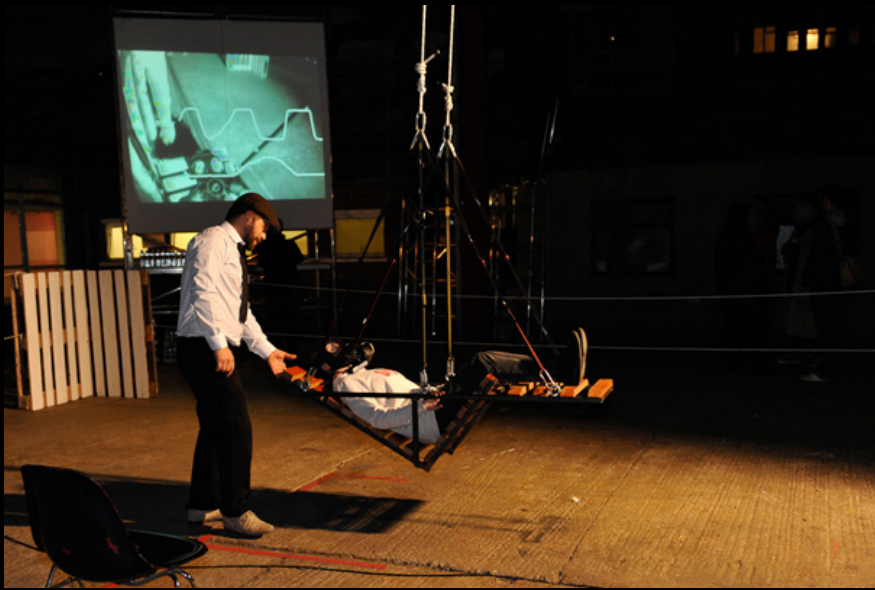


# BATTLE GALLEONS











# Breathless

an interactive ride experiment

Thursday 14th October 6.30 to 8.30pm  
Triangle Studios courtyard London E8 3RH  
Entry via Warburton Rd off Mare St  
Food and drink

0%



horizon  
DIGITAL ECONOMY STRATEGY

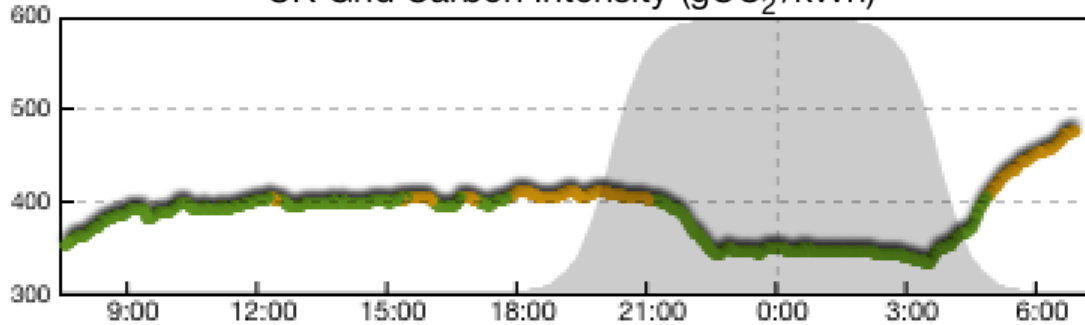


# PerPing

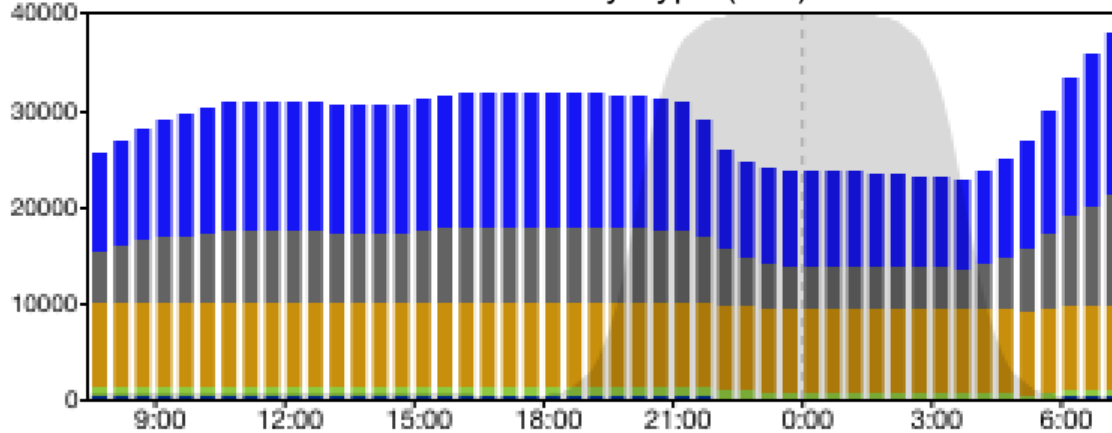




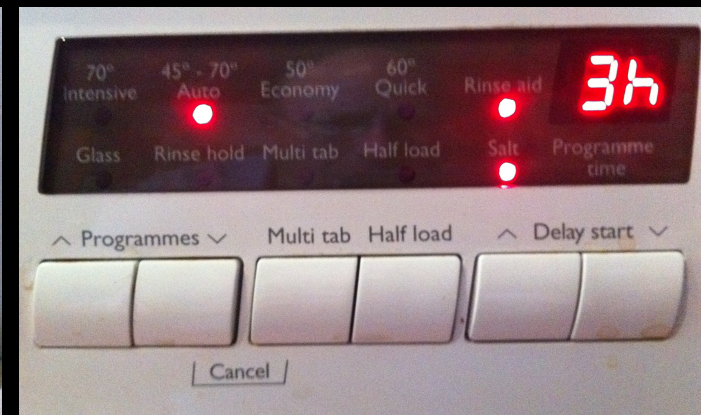
UK Grid Carbon Intensity (gCO<sub>2</sub>/kWh)

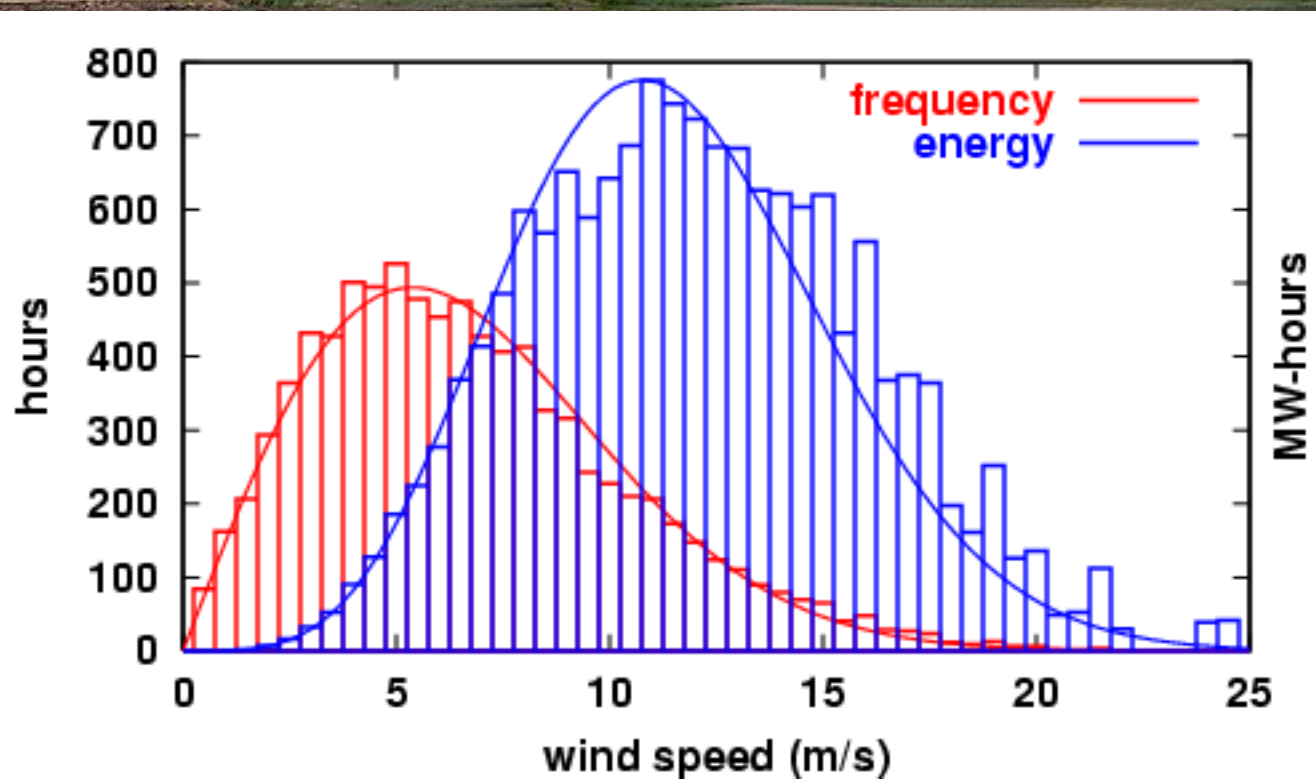


Generation By Type (MW)



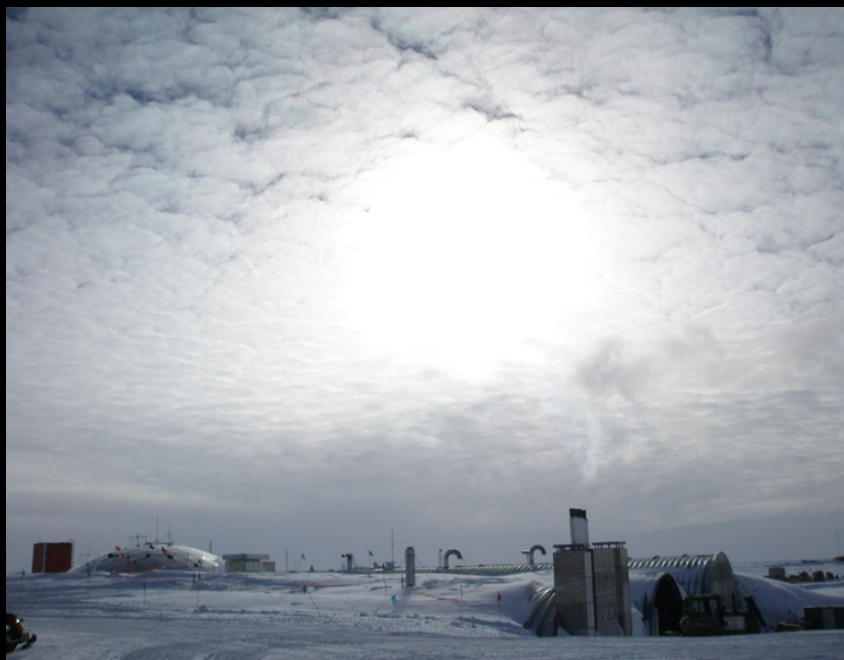
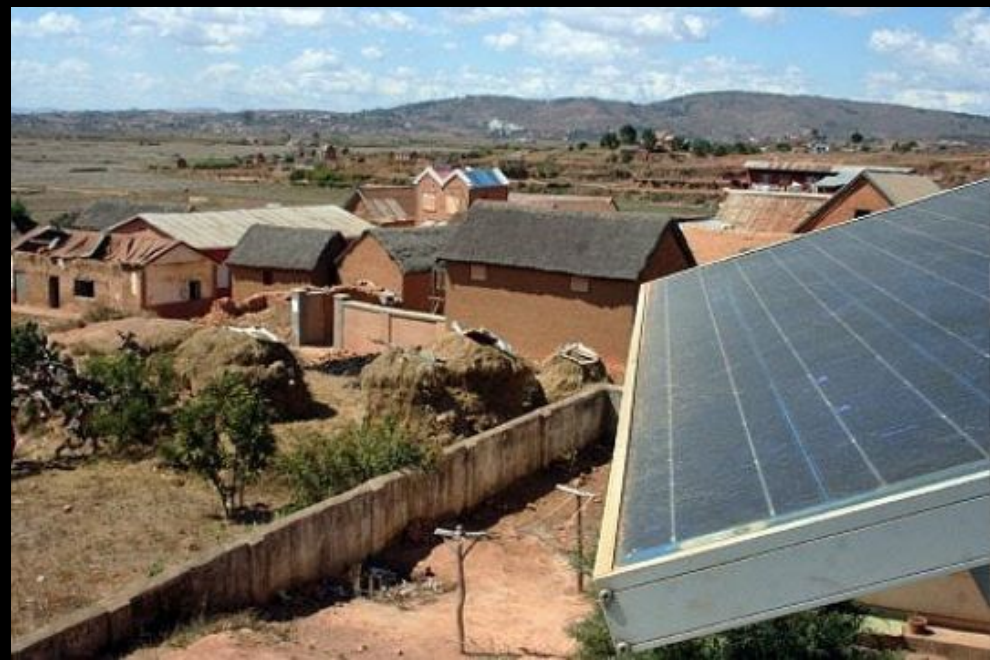
GridCarbon, App for iPhone  
University of Southampton





Adrossian image courtesy of Vincent van Zeijst

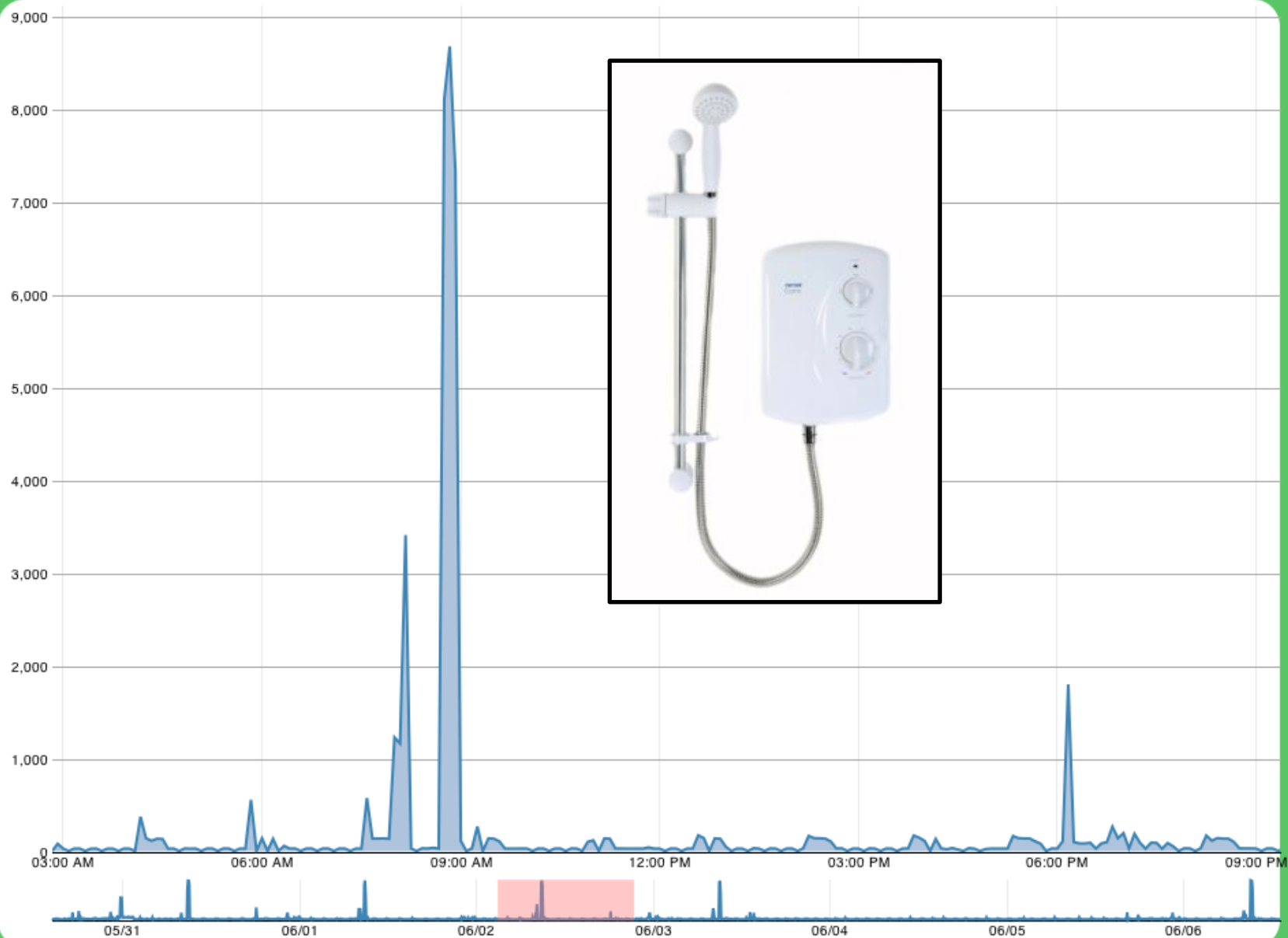




## Detailed data

These graphs show detailed data for your chosen hub/sensor. The **upper larger graph** gives a detailed view of energy use in a particular time window; the **lower smaller graph** gives a less detailed view of *all* energy use since the hub/sensor was commissioned. Drag the pink shaded area in the lower smaller graph to shift the time window, or click and drag elsewhere within the lower graph to create a new time window. [View stacked data](#) [View live data](#)

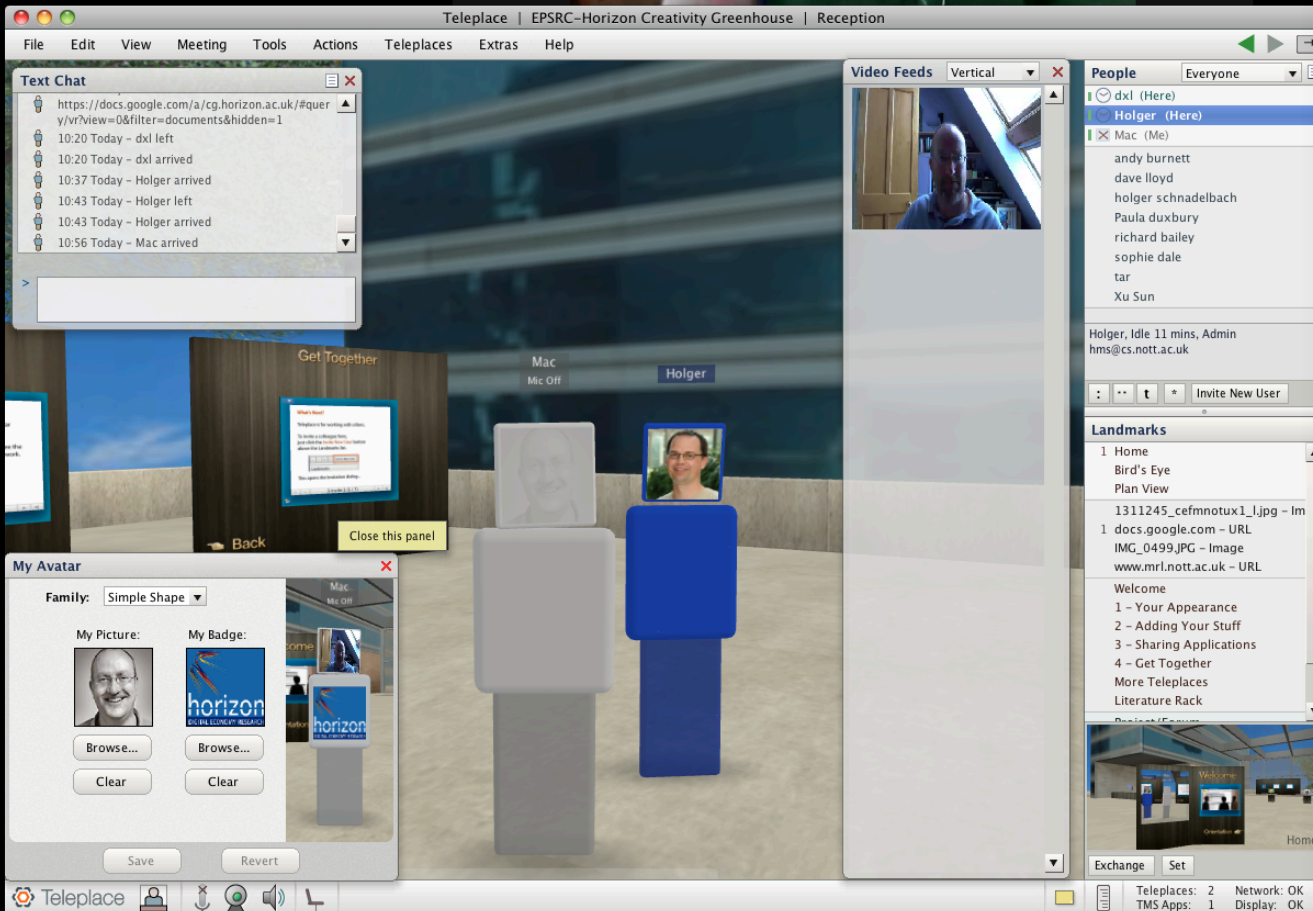
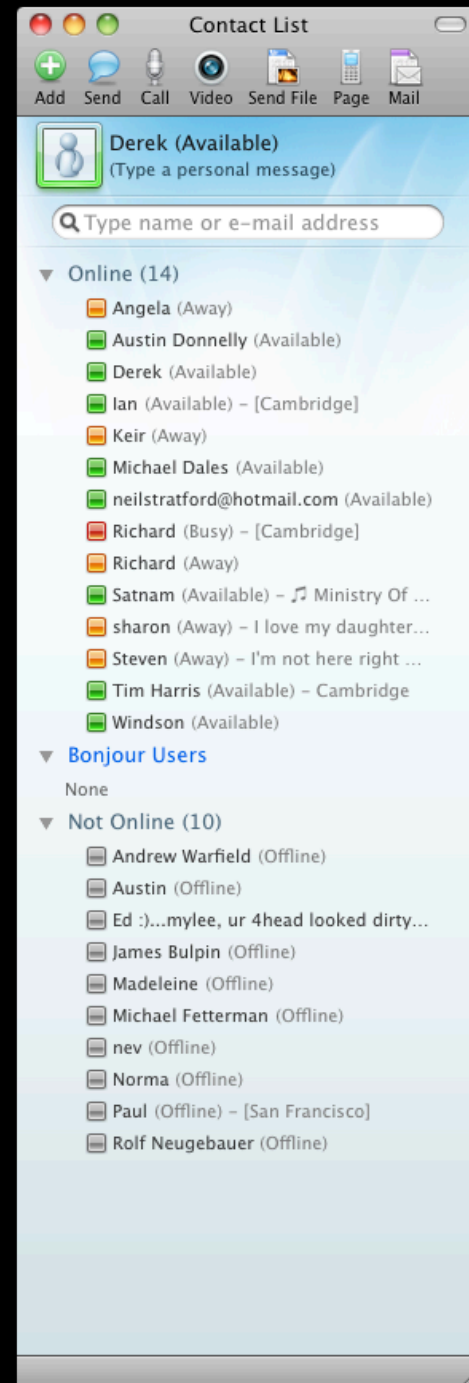
[Back to the energy monitor network](#)



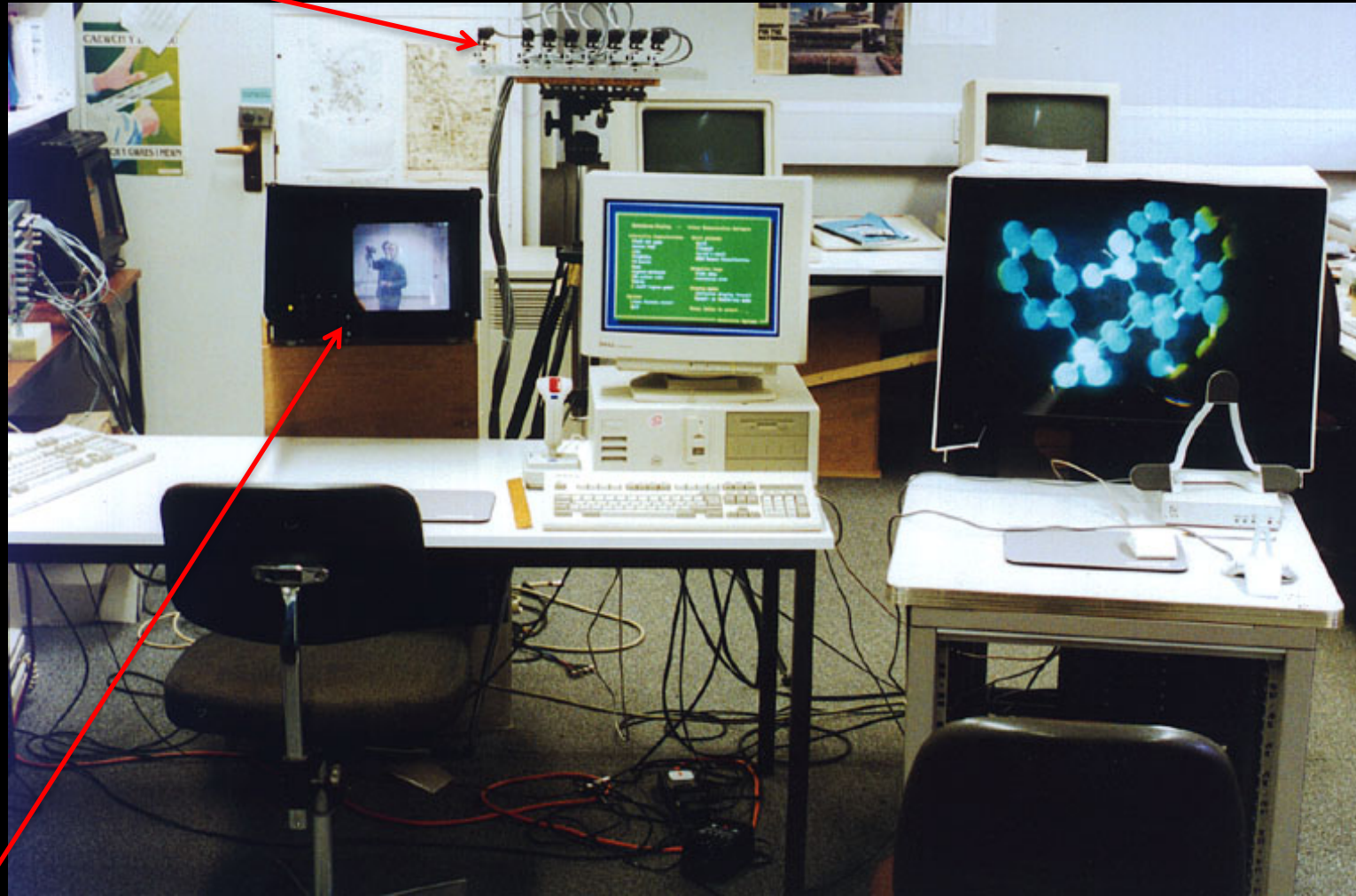








8 cameras



3D video conferencing....



Archilleon

Spirestone Enforc...

Archilleon

9 s 3 s 13 s 25 m

Hordemar City

10:17

Spirestone Enforcer  
Out of range.

- Objectives (1)
- Impending Retribution
- 0/1 Speak with Nomarch Teneth
  - 0/1 Speak with Sun Priest Asaris
  - 0/1 Speak with Asaq

<Hammer of Wrath>  
+817 Mana -88 (38 blocked)  
+818 Mana  
-35 (15 blocked) Dodge

<Consecration> fades

+818 Mana

**Hammer of the Righteous**  
2810 Mana      Melee Range  
Instant cast      3 sec cooldown  
Requires One-Handed Melee Weapon  
Cooldown remaining: 0 sec  
Hammer the current target for 39% weapon damage, causing a wave of light that hits all targets within 8 yards for 2391 Holy damage. Grants a charge of Holy Power.

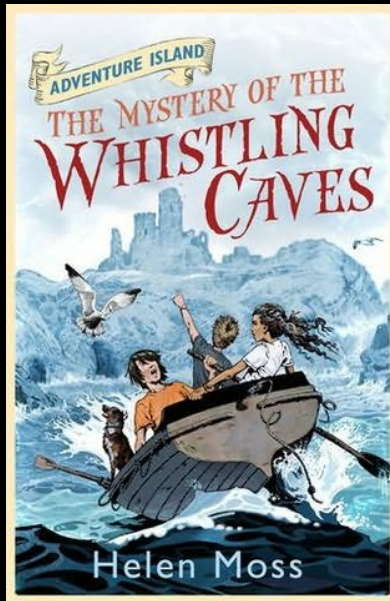
General    Combat Log    Guild

Changed Channel: [1. General - Blackrock Spire]  
Changed Channel: [3. LocalDefense - Blackrock Spire]  
Warosh snorts.











<http://www.horizon.ac.uk>



Questions?

[derek.mcauley@nottingham.ac.uk](mailto:derek.mcauley@nottingham.ac.uk)



- Danger of predictions; ease of predictions
  - Autostereo display
  - Technologies and society challenges
- Technology – transistors to cloud computing
  - Animoto example
- Rise of the mobile
- Location based and crowd sourced content
  - Coton, OpenStreetmap, OldWeather
- Social networking
  - Alton Towers, Heirlooms
- Energy
  - Behaviour changes
- Transport