

# The student experience: Inside and outside thinking



**Yvonne Rogers**  
**UCLIC**

University College London



**Conor Gearty** @conorgearty

24 Oct

Guerrilla lecture later this evening. Tickets to be issued at 6:45pm in foyer of New Academic Building. LSE only I am afraid #LSEguerrillas

[Collapse](#)

[↩ Reply](#) [↻ Retweet](#) [★ Favorite](#) [\\*\\*\\* More](#)

**2**

RETWEETS



10:15 AM - 24 Oct 13 · [Details](#)

Reply to [@conorgearty](#)



# On their website

“An event on Thursday 24 October involving guerrillas, hell and commandos. Without giving too much away, it involves the Institute of Public Affairs, led by Professor Conor Gearty, who is pioneering a new style of lecturing at LSE.

Forget traditional lecture halls and think, instead, an intellectual form of a flash mob... Keen to experience a unique, engaging, thought-provoking evening? Interested in discussing a controversial subject in a location that very few get the chance to see?”



# What the Hell?





# Suspense matters



Ambient Wood, Equator





With Sara Price, Eric Harris, Hilary Smith, Cliff Randell, Henk Muller, Claire O' Malley, Danae Fraser Stanton, Mark Thompson, Mark Weal, Ted Phelps, Danielle Wilde, Mia Underwood, Paul Marshall and Rowanne Fleck



# The Periscope



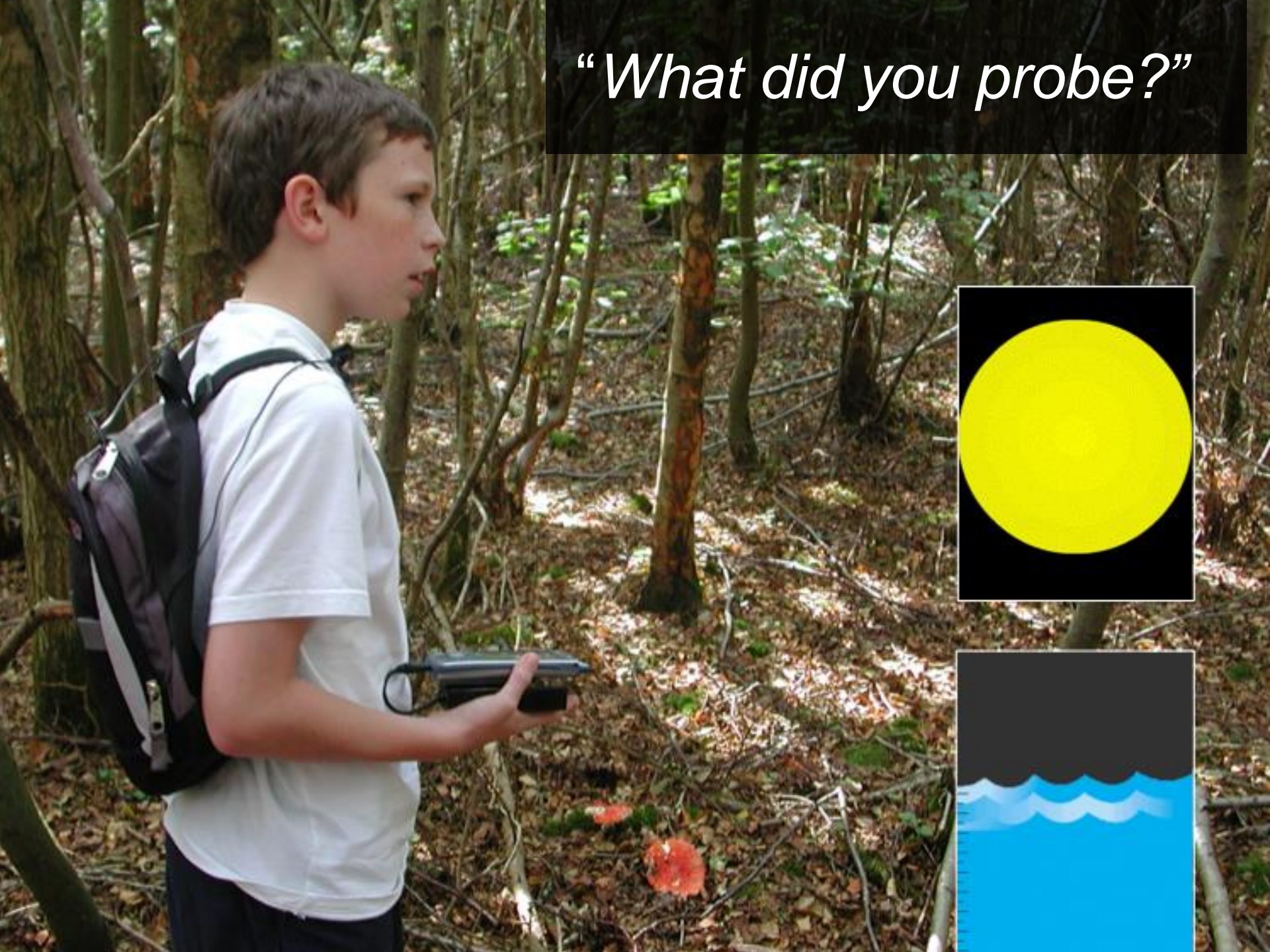


*“How wet is this tree?”*





*“What did you probe?”*





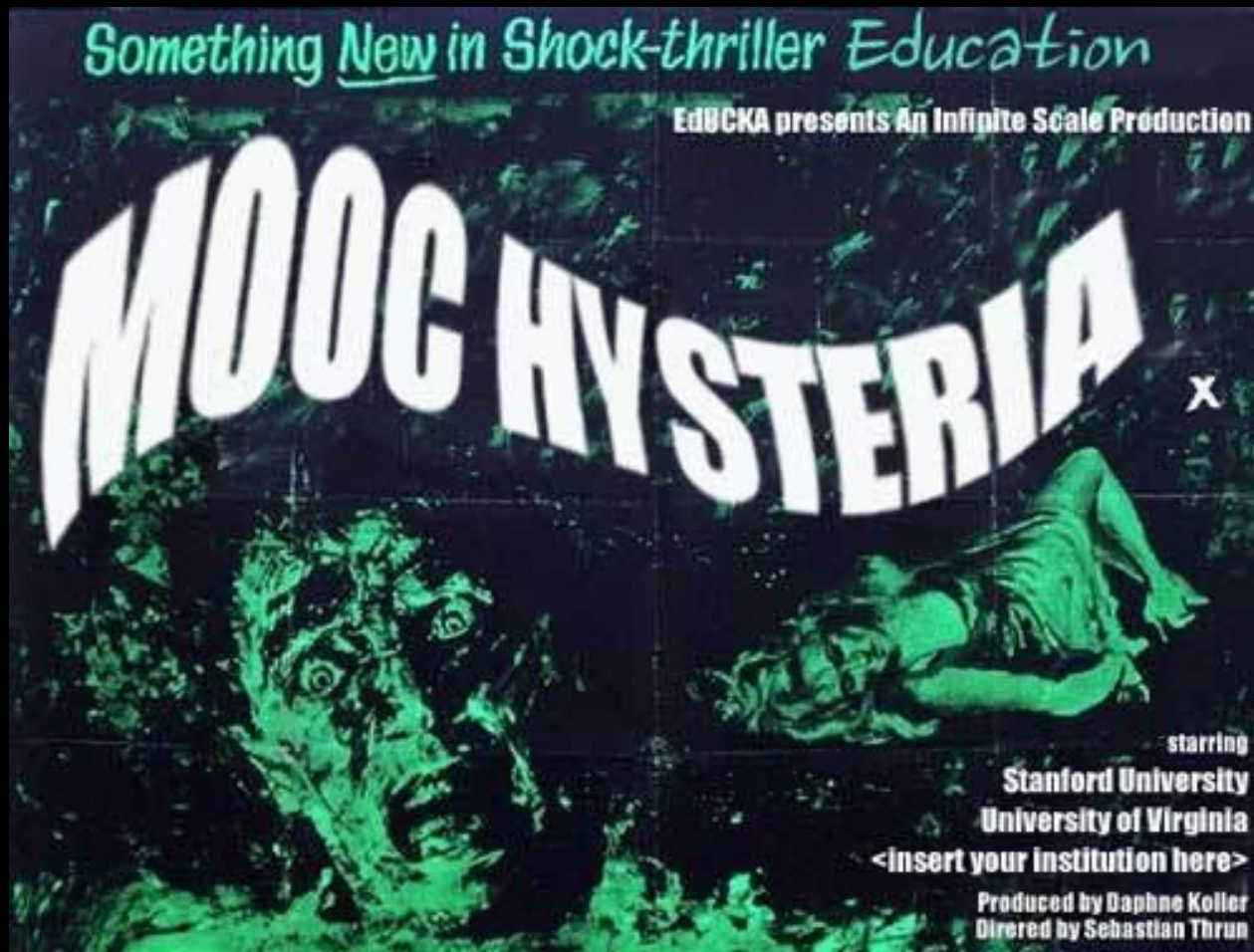




# Bird's eye view



# How can we make MOOC learning experiences as captivating?





“every product that is used by  
someone has a  
**user experience:**  
newspapers, ketchup bottles,  
reclining armchairs, cardigan  
sweaters”

Garrett (2003, p. 10)

# The student experience...

...is just like the user experience

Many factors to consider:

usability, functionality, aesthetics, content, the look and feel, enjoyable, sociability, student's expectations, how motivating, right level of difficulty, challenging, inspiring, promote independent thinking, memorable, and so on



# Online/e-learning: inside thinking

## Personalisation

- customized to individual learner

## Flexible

- independent learning 'any time any place'

## Adaptive

- dynamically adapt to learning context

# Outside thinking

Interactivity

Context

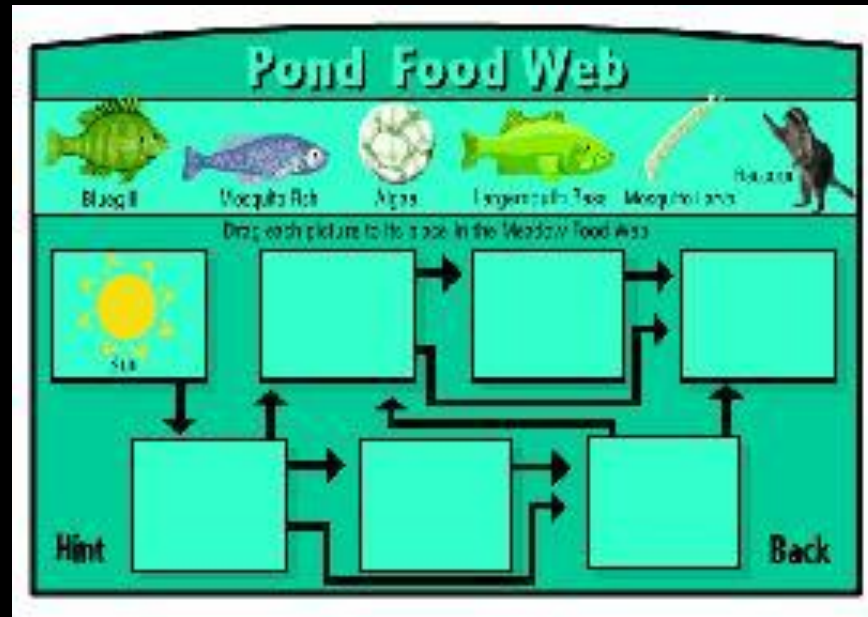
Playfulness

Connecting





# Boring interactivity with no feedback



[www.bgfl.org/bgfl/custom/resources\\_ftp/client\\_ftp/ks3/science/hamshall/food\\_chains/index.htm](http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks3/science/hamshall/food_chains/index.htm)

# Fun interactivity with feedback



With Mike Scaife, Matt Davies and Frances Aldrich



# Context

# Outside thinking



With Kay Connelly, Richie Hazlewood and Lenore  
Tedesco



# Contextual information

**Lilly Arbor: LillyPad**

Entry Info Stats Graph Messages

This Species Recruits Vines Predation

**Silver Maple**  
Acer saccharinum

Browse  
Looks Like



**Height:** Can grow to over 100 feet tall, trunk usually short, dividing into several sub-trunks. Long slender branches sweep downward and then curve upwards.

**Leaf:** Opposite, simple with 5 deep sinuous lobes


Leaf 1

Back (Tree Selection)


**Lilly Arbor: LillyPad**

Entry Info Stats Graph Messages


This Species Recruits Vines Predation




Beaver



Deer



Rabbit



Vole

Back (Tree Selection)

VidyaScreen 10:55

### Lilly Arbor: LillyPad

Entry Stats Info

#	Date	Ht.	D10	DBH	Hlth
18	today	7	7.9	6.1	A
17	03/05	5.0	6.0	8.0	A
16	03/05	120.0	340.0	560.0	A
15	03/05	45.0	5.0	3.0	A
14	02/05	2.9	7.9	7.1	D
13	02/05	100.0	45.0	34.0	A
12	01/05	2.5	9.6	5.8	D

Scroll Up Scroll Down

No Comment Selected

Details

Back (Tree Selection)

VidyaScreen 10:55

### Lilly Arbor: LillyPad

Entry Stats Info

ID: 1001 Silver Maple  
Msr#: 18 Acer saccharinum

Health Height D10 DBH

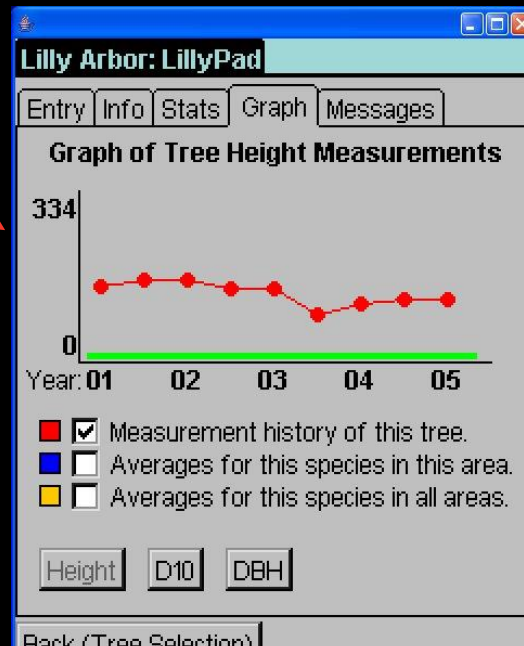
Comments: Additional Comments

☐ Broken Off ☐ Needs Tag ☐ Nest  
☐ Bindweed ☐ Hops ☐ Canary Grass  
☐ No Sign of Life ☐ Photo Taken

Predation

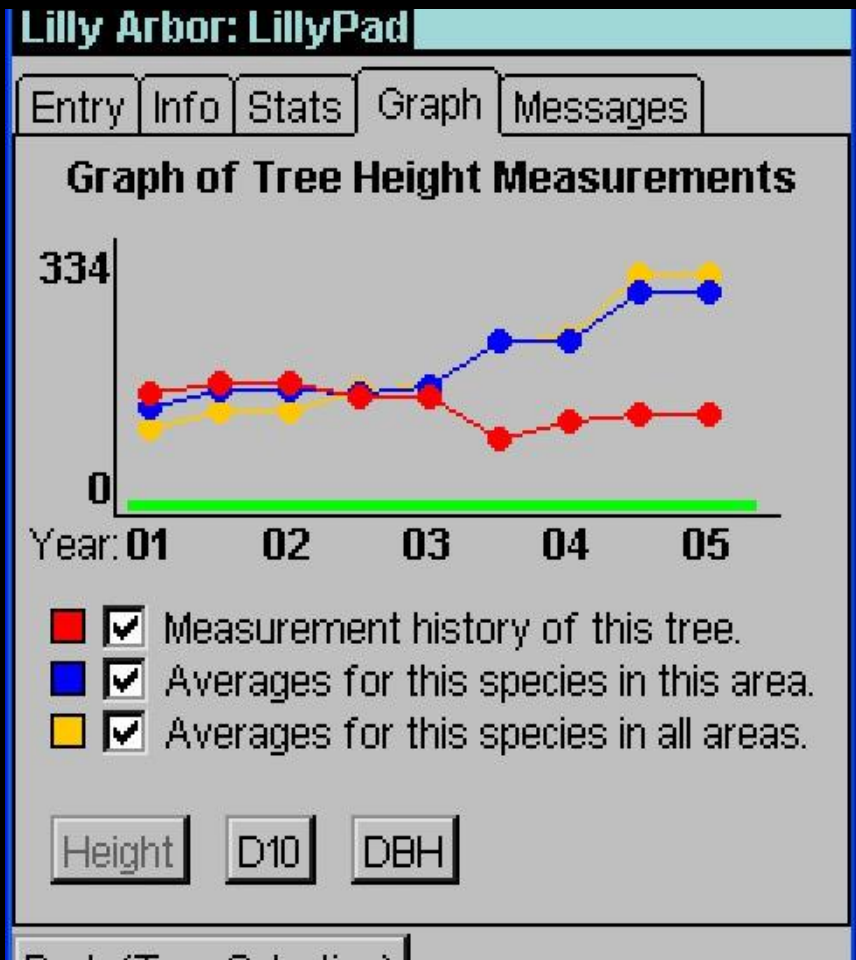
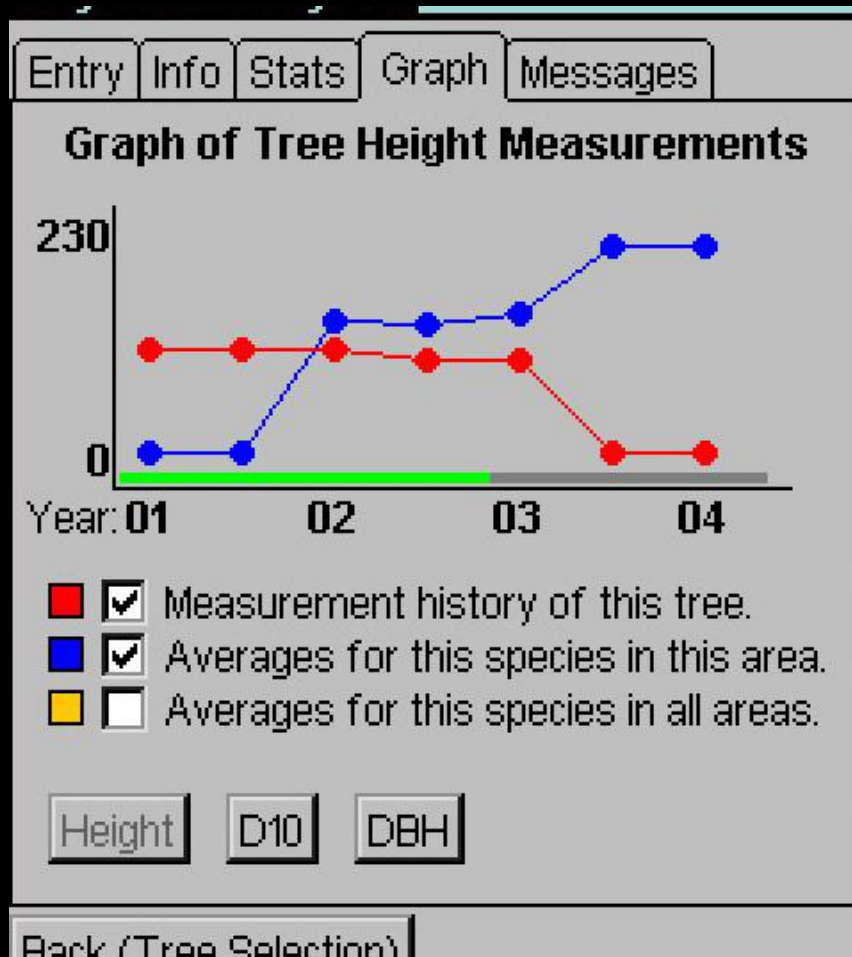
Clear Submit

Back (Tree Selection)





# The shrinking trees

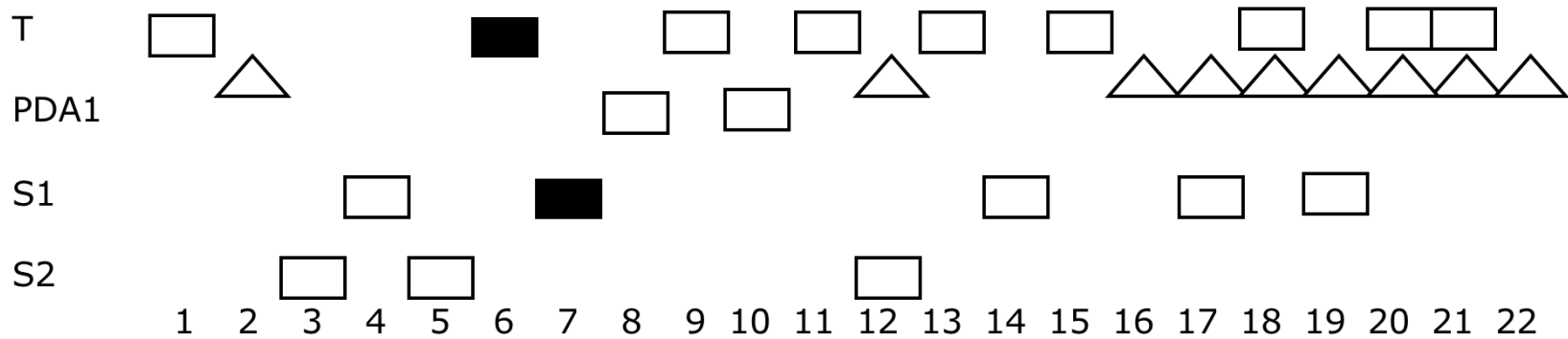


# Many more hypotheses generated

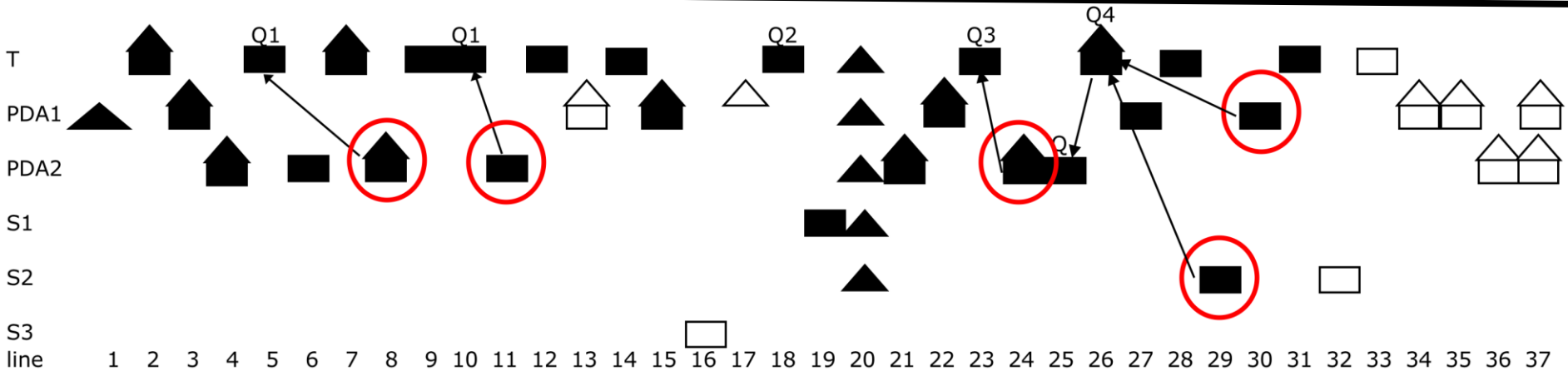




# Extended reasoning processes



## 1. Normal growth



## 2. Shrinking tree example

# Playfulness



# Retirees playing together



With Jeni Paay, Margot Brereton and Kate









Connecting



# Connecting out there...



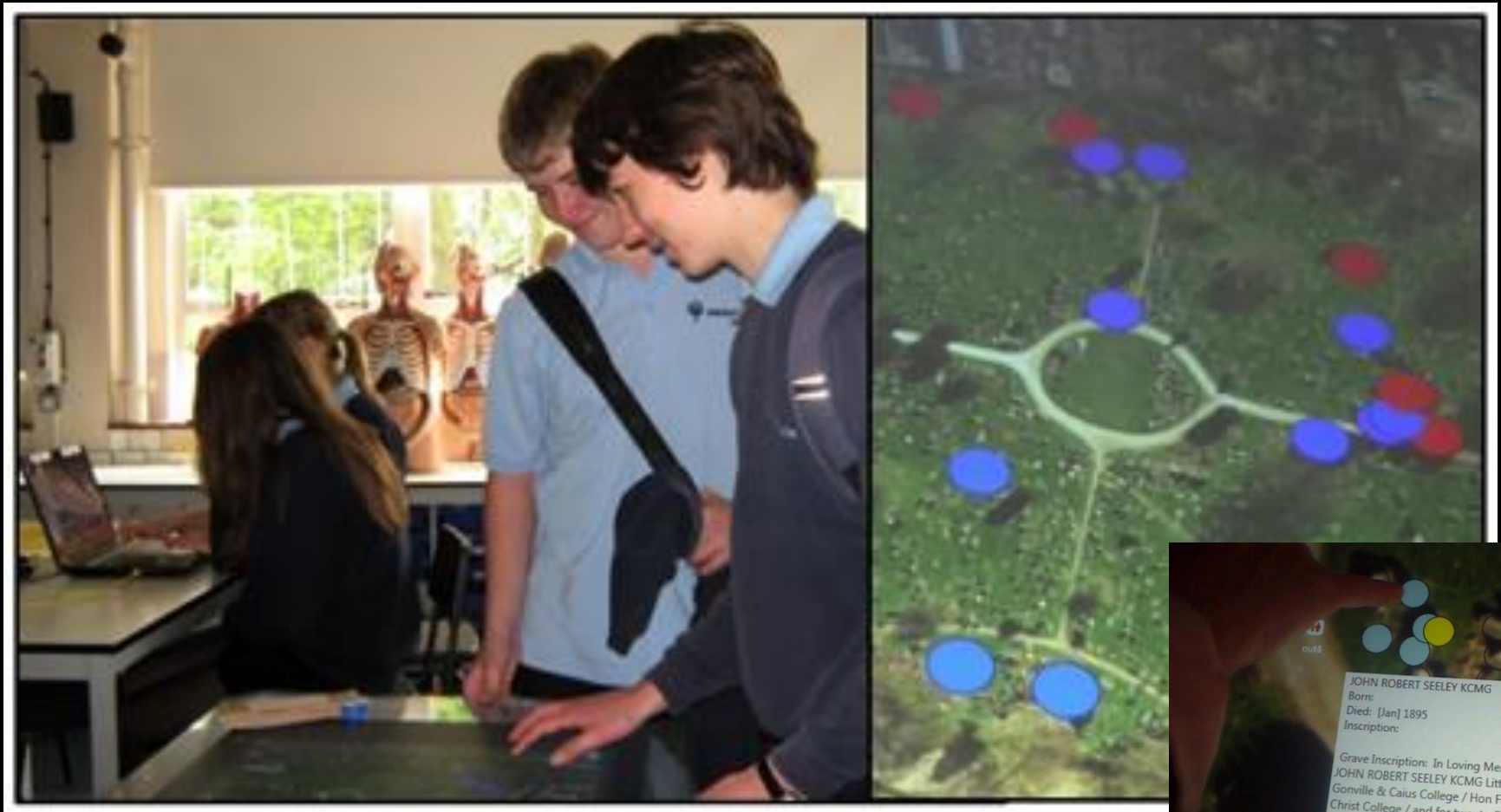
With Anne Adams, Janet van der Linden, Tim Coughlan, Caro Wilson, Pablo Haya, Estefanía Martín and Trevor Collins



...with in here



# Discover more...



JOHN ROBERT SEELEY KCMG  
Born:  
Died: [Jan] 1895  
Inscription:  
Grave Inscription: In Loving Memory of  
JOHN ROBERT SEELEY KCMG LittD Fellow of  
Gonville & Caius College / Hon Fellow of  
Christ College / and for twenty-five years /  
regius Professor of Modern History /  
University of Cambridge / b Sept 10 1834 d  
[Jan] 1895 also MARY AGNES his wife b Nov  
2 1839 d Dec 26 1921  
Grave Description: Headstone



# Instead of 'designing for one'

- Orchestrate shared activities using ecology of devices
- Shared devices that link to public displays



# 4Decades

## Climate Leaders



## Serious Games for Classrooms Using Shared Tablets and Projectors

4Decades

Gaming Platform

Proposal for

**innov8**  
COMPETITION

by Stefan Kreitmayer



The Open  
University

**UCL**

21 Nov 2011

# Summary

How can we design online  
learning experiences –  
using ‘inside thinking’ to trigger  
more ‘outside thinking’?



# Acknowledgements

- My many colleagues, researchers and students at UCL, The Open University, Indiana University and Sussex University
- My hosts in Australia this year
- Intel, EPSRC and the Eli Lilly Foundation for funding the research