

Fieldcasts



Introducing fieldwork through interactive live broadcasts



Trevor Collins, Sarah Davies, Julia Cooke, Kadmiel Maseyk, Julie Robson and Philip Wheeler

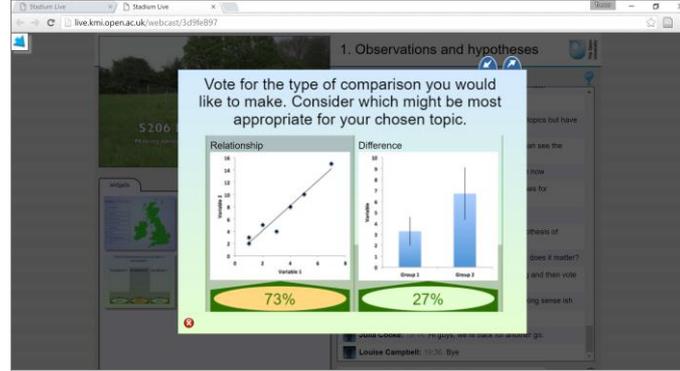
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Introducing fieldwork

- Second year Environmental Science module
- One week student-led field investigation
 - Monday: Topic and hypothesis
 - Wednesday: Study design and data collection
 - Friday: Data analysis and conclusions
- Supported by VLE discussion forum
- Data and supporting resources on VLE
- Live broadcasts also available as replays

Introducing fieldcasts



1. Observations and hypotheses

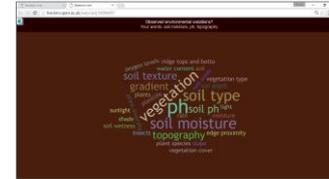
Vote for the type of comparison you would like to make. Consider which might be most appropriate for your chosen topic.

Comparison Type	Percentage
Relationship	73%
Difference	27%

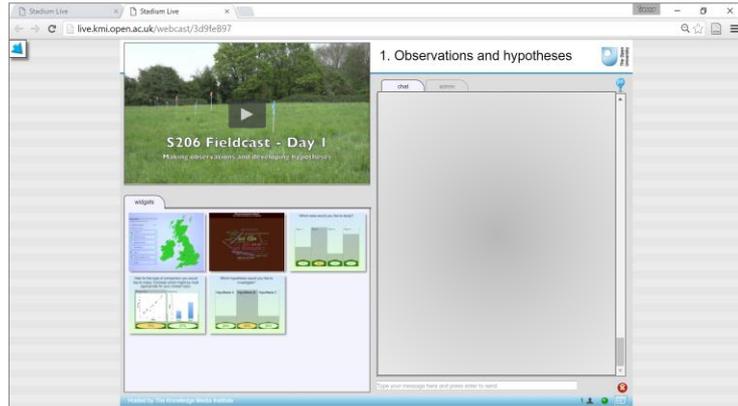


Location

- UK and Ireland 24
- Other EU 0
- North America 2
- South America 3
- Australia 0
- Asia 0
- Africa & Middle-East 1
- Other 3



soil texture, soil moisture, soil pH, soil type, vegetation, topography, edge proximity, green grass, soil, vegetation cover

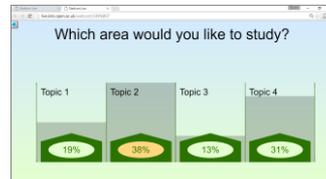


1. Observations and hypotheses

S206 Fieldcast - Day 1

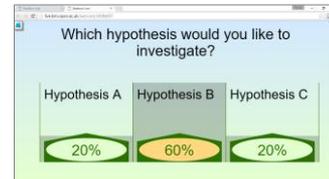
Making observations and developing hypotheses

chat



Which area would you like to study?

Topic	Percentage
Topic 1	19%
Topic 2	38%
Topic 3	13%
Topic 4	31%



Which hypothesis would you like to investigate?

Hypothesis	Percentage
Hypothesis A	20%
Hypothesis B	60%
Hypothesis C	20%

Student participation

- Optional additional activity in 2016 and 2017
 - Relatively low attendance (around 10% module cohort)
- Module activity for formative assignment in 2018
 - Better live attendance (around 35% module cohort)

Users	May 2016			May 2017			May 2018		
	1	2	3	1	2	3	1	2	3
During live event	34	16	17	30	26	21	82	76	60
Interactive users	30	16	14	28	25	21	79	72	59

Feedback – wordle and chat



Hope you do more activities like this, have found it really helpful! You feel like your more involved too.

thank you all great fun and very informative

*Thanks, the field casts have been brilliant.
Can we have more?*

I cant get to field school, so this was FANTASTIC ... second the "more" chant !!

I wish we had more fieldcasts like this too - I find it a really great way to support the course texts. Thanks again everyone

* May 2017

Evaluation – student interviews

- Engaging
 - *“... it felt like you were kind of there, it was a live film cast. It felt like you could have been standing in the field ...”*
 - *“Yes, someone else is hands-on, but you’re watching over their shoulder”*
- Interactive
 - *“... the biggest thing was the interaction, where you could put your thoughts in and you could practise basically what you have learnt”*
 - *“Yeah, felt really good ... I think I wouldn’t have found it so good if we didn’t have that interaction with it, you felt like you were part of things rather than just witnessing it.”*
 - *Does it feel different when you watch the reply? “It does, your not participating you’re an observer again.”*

* July 2017

Unsolicited student feedback



“... the field casts were absolutely brilliant. I think there should be plenty more like this!”

“The field trip tutorial webcast in particular was interesting and effective.”

“The collaborative live fieldcast was exciting and really consolidated my learning.”

“Being able to see people carrying out the experiments was invaluable - then also being able to see in the lab ... I thoroughly enjoyed them.”

“The environmental field cast was very informative.”

* End of module student survey data 2017

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