INFLUENCE! Inspiration and insight to change minds and policy

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- Inspired by lights being left on in non-domestic buildings.
- Energy efficiency: prioritising reduction actions.
- Higher education often prioritises action on climate change.
- Research within higher education affords opportunities.
- HE offered new products, but rarely involved in development.
- We are hoping to prove the concept at other HE sites.



About EiE





Leadership in Edu

The energy management problem



- LEDs are not end of story controls, management, users too.
- How do you know with certainty lights are off?
- Energy data often too 'noisy' to see lights.
- Controls sometimes malfunction or are not set correctly.



Collaboration and field testing



- Heard about planning tool for real estate to measure biodiversity.
- Agreed to test using our university's CCTV.
- Tool assigns values to images; identifies lighting changes.





More field testing







Viewcue image assessments





 The next step is to analyse more data to fine tune for lighting.

 Then we will develop user interface for various security software providers.



So, what about energy saving?



- Project came from a tool looking for new uses.
- And an energy assessor not wanting to stay up late...
- Might seem a low priority, but how do you know lights are off?
- We would like to collaborate with EAUC members to check lights.



Where next for Night Owl?



May

2019

 Is any research at your location worth discussing for new innovations? Is your university interested in testing Night Owl?

Nightowl and ViewCue - visual tools for monitoring energy use.

VISUAL TEXTURE AND ENERGY EFFICIENCY - KNOWING WHEN WHEN THE LIGHTS ON.



Any questions?





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