



national union of **students**

Energy savings, student engagement & recommendations from SAVES 2

Rachel Soper – NUS UK

The logo for the SAVES 2 project, featuring the text 'SAVES 2' in a bold, white, sans-serif font. The text is set against a blue background that has a slight 3D effect with a darker blue shadow on the right side.

SAVES 2



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 754203

SAVES 2 is made of two different campaigns

Student Switch Off (SSO)– student behaviour change campaign in university dormitories

Student Switch Off+ (SSO+)- engagement with students in the private rented sector around smart metering, energy efficiency, and help to reduce exposure to fuel poverty



SAVES 2

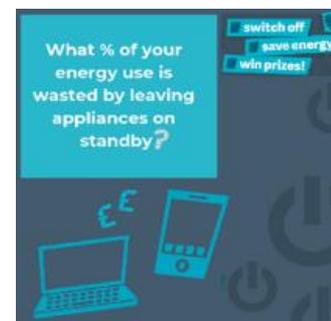


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Student Switch Off runs on an annual cycle at each university campus

An energy-saving competition between the dormitories at each university over the academic year:

- Engaging students in different ways over the year to motivate and empower **positive energy behaviours**
- Volunteer training to equip on-the-ground **student ambassadors**
- Regular online **competitions** for individuals
- **Targeted and timely communications** and energy updates
- **End-of-year reward** for the winning dormitory



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Energy savings in dormitories were achieved every academic year of SAVES 2

	2017-18	2018-19	2019-20	Total for project
Actual energy savings from dormitories, GWh	1.06	2.70	1.32	5.08
Overall savings (including extrapolation), GWh	1.38	4.04	2.76	8.18
% saving, compared to baseline	3.33%	9.28%	7.72%	6.78% (average)
CO₂ saving (tonnes)	532	1,352	489	2,373

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Students were engaged in SAVES 2 activities

	Students living in dormitories	Students signed up to the campaign	% students signed up to the campaign	Volunteers trained	Climate quiz entries	Competition entries	Total social media followers
2017-18	41,814	11,793	28%	248	9,338	383	7,504
2018-19	45,385	18,131	40%	154	6,781	636	8,239
2019-20	35,767	15,772	44%	204	7,301	889	10,901
Total for project	122,966	45,696	37% (average)	606	23,420	1,908	

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Student engagement was both online and in-person on campuses

- Our third year of the campaign was impacted by COVID-19, with local lockdowns closing down many campuses, or at least preventing our staff from engaging with students face-to-face

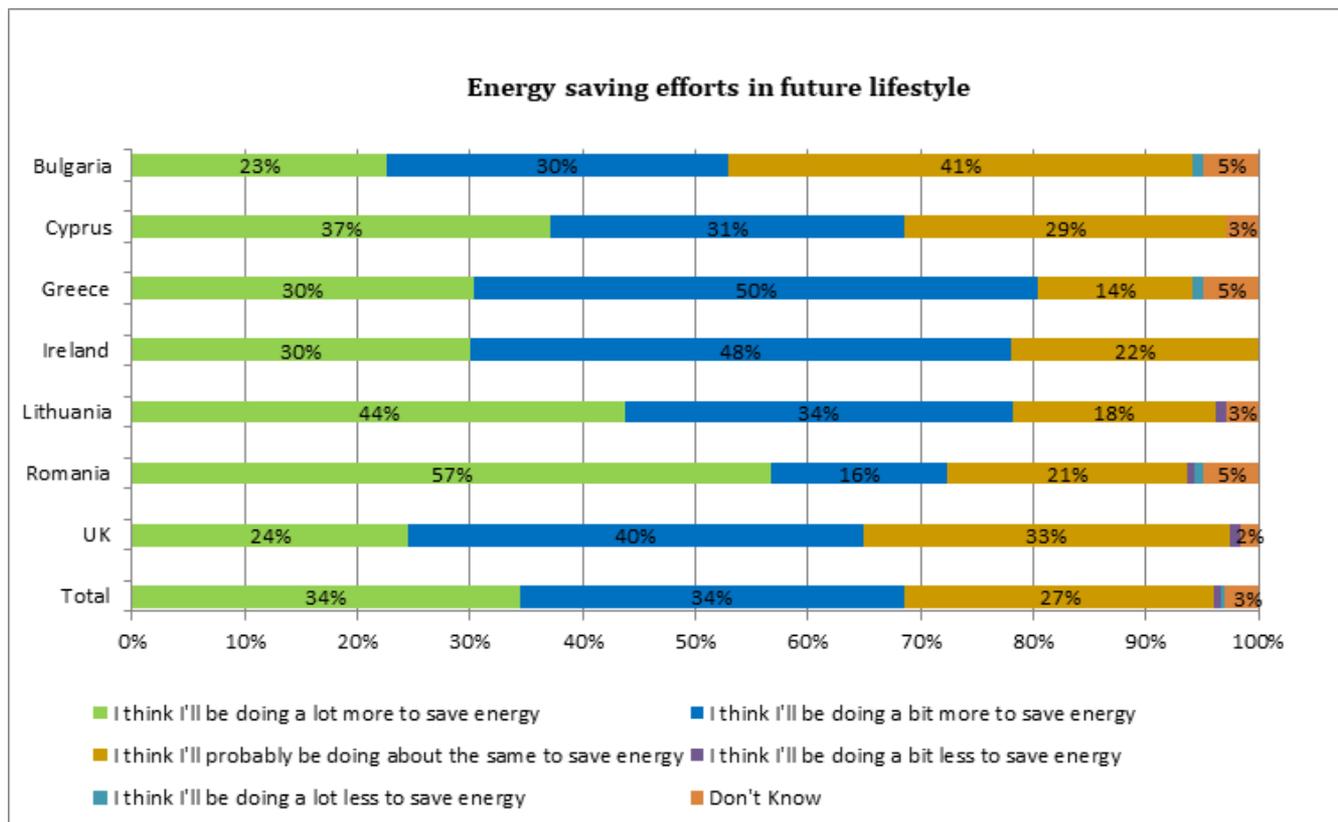


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Students' future energy behaviour is impacted by SAVES 2

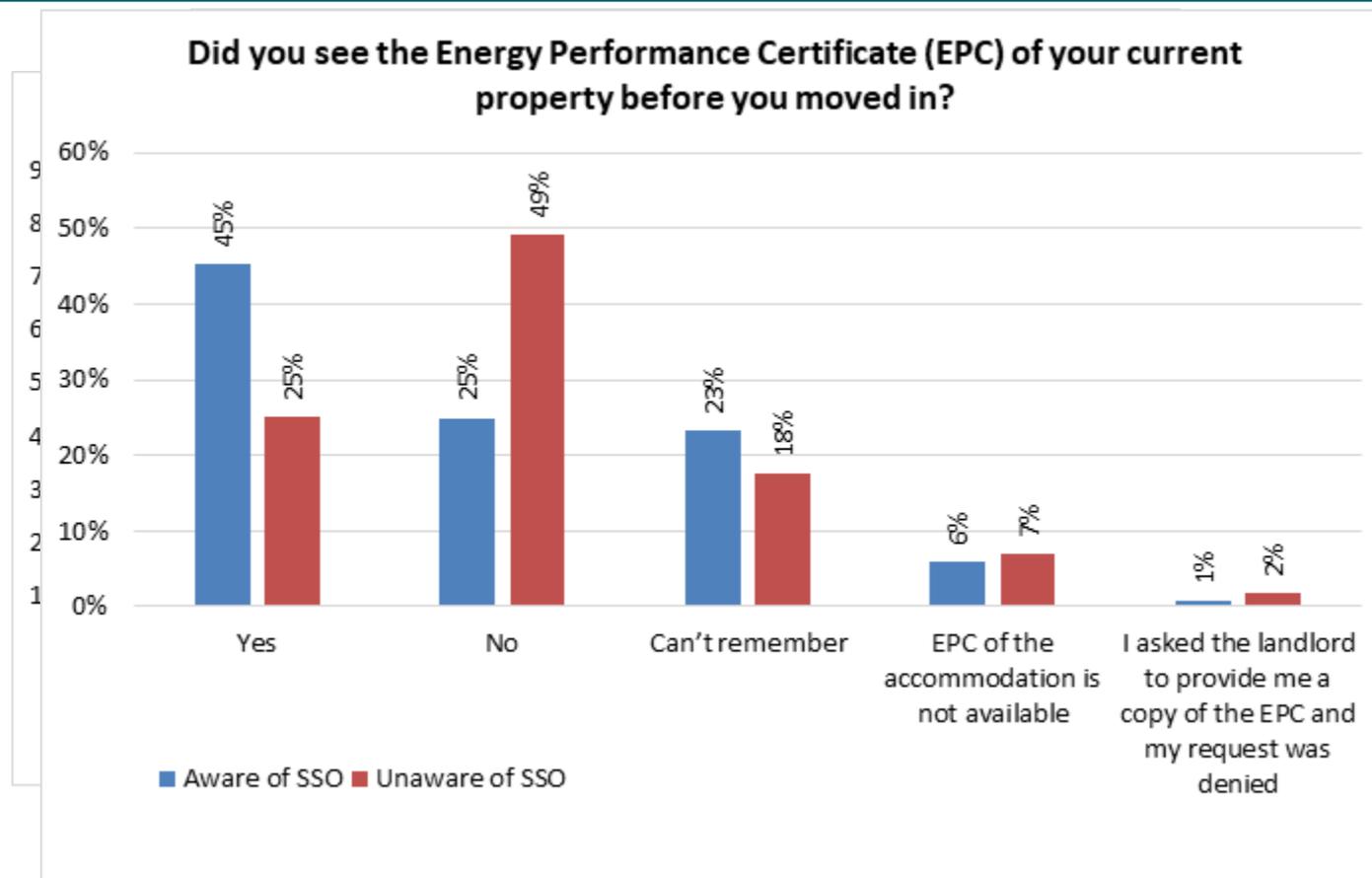


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Rebound and spillover effects can be seen from the SSO campaign



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The energy dashboard



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The overall aim and role of the Switch Off campaign Energy Dashboard

1. To stimulate **lasting behaviour change** in the **awareness of energy use** over multiple universities across the EU
2. The campaign needed a **simple way** for students to see **feedback** from their **energy-saving efforts**

switch off

Student Switch Off Dashboard

Near real-time leaderboards for inter-hall energy-saving competitions on your campus!

Discover [more about the Student Switch Off campaign](#).

Find your University:

UNIVERSITY OF CAMBRIDGE
Cambridge

DE MONTFORT UNIVERSITY
De Montfort University

Dublin City University
Dublin City University

Keele University
Keele University

National University of Ireland, Galway
National University of Ireland, Galway

Maynooth University
National University of Ireland, Maynooth

Technical University of Crete
Technical University of Crete

UCC
University College Cork

UNIVERSITY OF ATHENS
Εθνικόν Πανεπιστήμιον Αθηνών
University of Athens

UNIVERSITY OF BUCHAREST
UNIVERSITY OF BUCHAREST

UNIVERSITY OF CYPRUS
Πανεπιστήμιον Κύπρου
University of Cyprus

UNIVERSITY OF LIVERPOOL
UNIVERSITY OF LIVERPOOL

The University of Nottingham
University of Nottingham

University of Worcester
University of Worcester

UNIVERSITY of York
UNIVERSITY of York

VGTU
VILNIUS GEDIMINAS TECHNICAL UNIVERSITY
VGTU

SOPHIA UNIVERSITY "St. Sofia University"
Софийски университет "Св. Кирил и Методиј"
"St. Sofia University"

Switch off

Lids on

Don't overfill

Layers on

If your university isn't listed and you'd like to bring the campaign to your campus, [email NUS to let us know!](#)

Co-funded by the Horizon 2020 Framework Programme of the European Union

Login

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Real-world plus real-time



1. An **on-the-ground** campaign, coordinated with real-time energy-monitoring and at-a-glance web-based visuals
2. Connecting **real-world activities** to real-world outcomes, with **immediate visual impact**
3. Creating a **fun** sense of **friendly competition** to increase participation
4. Implementing **user feedback** from students and users to ensure the software was 'listening' to **feature requests** from everyone—an ongoing process!

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Keeping it fun... 😊

PUBLIC TEST ACCOUNT

student **switch off**

Home International



👉 **claw your eyes out**

ended 31st Dec 2015

i Mind the fluff

[click to see more](#)



kitty haven 2



Cat hall



whisker basket



top cat hall



small cat lodgings



▶
Turn off your heating pad when you are on your human

< prev

tip 2 of 3

next >

claw your eyes out

Kitten wars

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The importance of the web

1. **Web-based software** has a crucial role to play in influencing both energy awareness and behaviour change
2. It needs to be **accessible** to students **on any device**, including **mobile** and (at universities) **public screens**

Mobiles are the way most **18-24** year olds (i.e. **students**) access the web, carrying their devices with them at all times

[How do today's students use mobiles?](#) Deloitte, 2019

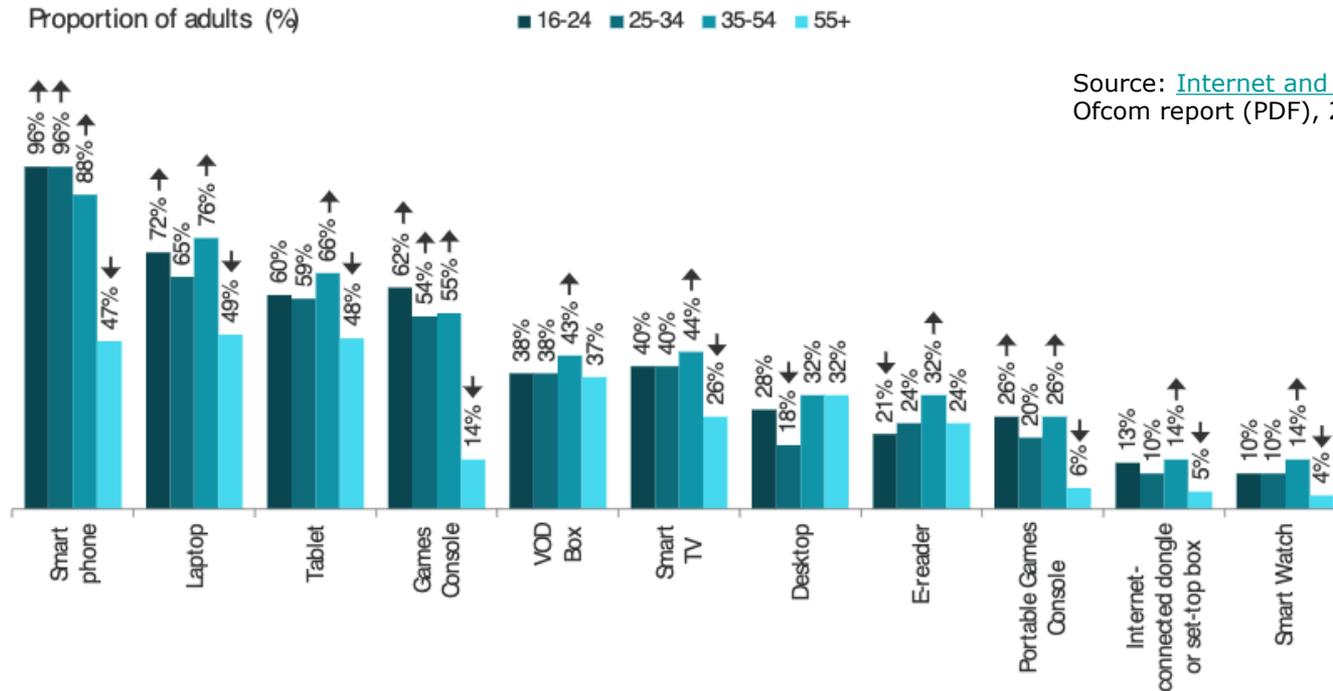


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Mobile access to the web: by age



Source: [Internet and online content](#), Ofcom report (PDF), 2019

Source: Ofcom Technology Tracker, H1 2017

Base: Adults aged 16+, 16-24 n = 512, 25-34 n = 544, 35-54 n = 1202, 55+ n = 1485

Note: Ranked by overall household ownership

Internet-connected dongle or set-top box includes NOW TV set-top box, Roku, Google Chrome, Amazon Fire TV, Apple TV

Significance testing: Arrows indicate any significant differences at the 99% confidence level between UK adults overall and each age group

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Making it personal



Students want to see how well **their own accommodation** is performing compared to others!

This ensures better **engagement** by making the campaign **personal**

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Digging deeper



If students and campaign staff (or energy managers!) want to **dig deeper** than the competitions, they can see the progress for a single hall in **more detail**

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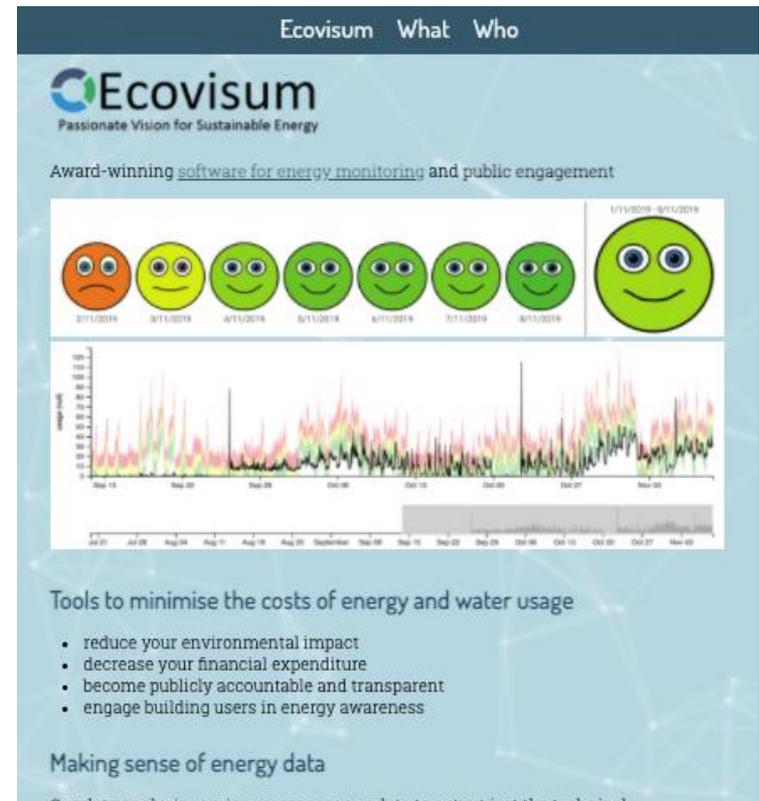


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Ecovisum background

[Ecovisum Ltd.](#) is a UK spin-out company from De Montfort University, was **formed after the end of the first SAVES project**, specialising in engaging people via energy dashboards and the **creative visualisation of energy use**.

Ecovisum has **provided the energy dashboard** for the NUS-UK Student Switch-off Campaign **for six years**. It also maintains the energy monitoring software [EDI Net](#) (Horizon 2020)

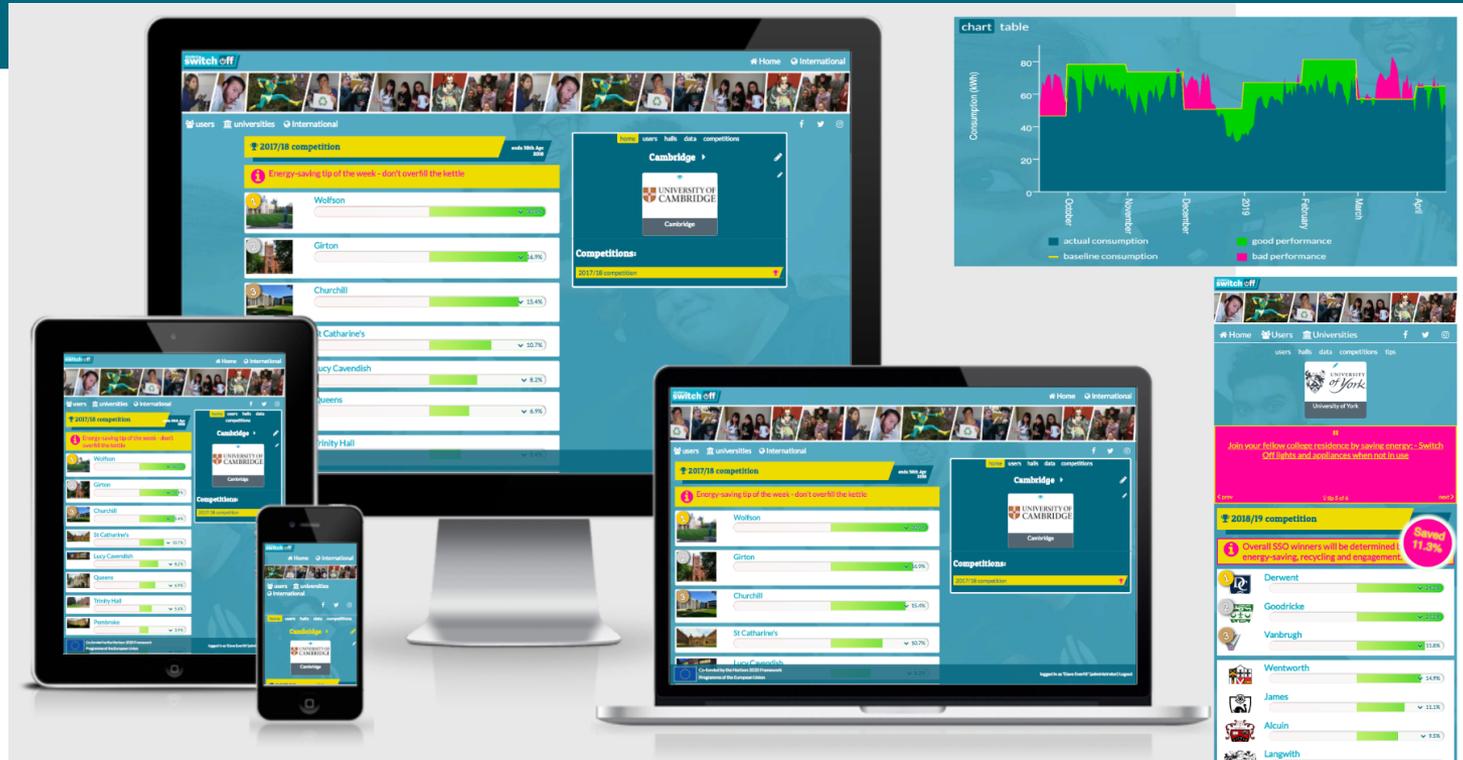


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The Final Dashboard



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Ecovisum
Passionate Vision for Sustainable Energy



Co-funded by the Intelligent Energy Europe Programme of the European Union

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Recommendations for engaging students in energy campaigns and projects



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Recommendations – campaign design

- Create open dialogue – don't be dogmatic
- Utilize the habit discontinuity hypothesis
- Students are non-homogenous across countries, but even within countries and campuses
 - It's important to provide a range of different entry points for different types of students
 - Meet students where they're at in terms of knowledge and motivation.
 - Conduct research to find out more about your students!

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Recommendations - communications

- Keep messaging simple



- Information coming from a trusted source is important
- Students care – prizes aren't always the answer
- Provide feedback

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Thank you!



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