



**LEARNING AND LEGACY** THE ROLE OF EDUCATION IN CREATING HEALTHIER, HAPPIER CITIES  
EAUC 20th Annual Conference 25th - 26th May 2016

## Workshop 15: The Future of Sustainability Reporting

*Andy Sheppard, Senior Consultant - Sustainable Buildings - ARUP; Iain Patton, Chief Executive - EAUC and Katerina Kosta and Hassan Waheed, Research Interns - EAUC*



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# Green Scorecard

## Results of consultation



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Factor	Current situation	Green Scorecard
Scope	Broad scope defined by others	Estates scope defined by sector
Purpose	To rank who's better than who	Progress, knowledge sharing
Structure	Quantitative, weightings, final score	Semi-quantitative, no final score
Robustness	Significant 'evidence' needed	EMR data and subjective appraisal
Implementation	Time-intensive uploading	Easy to use web-portal

~500 comments on draft – 31/51 indicators new or altered

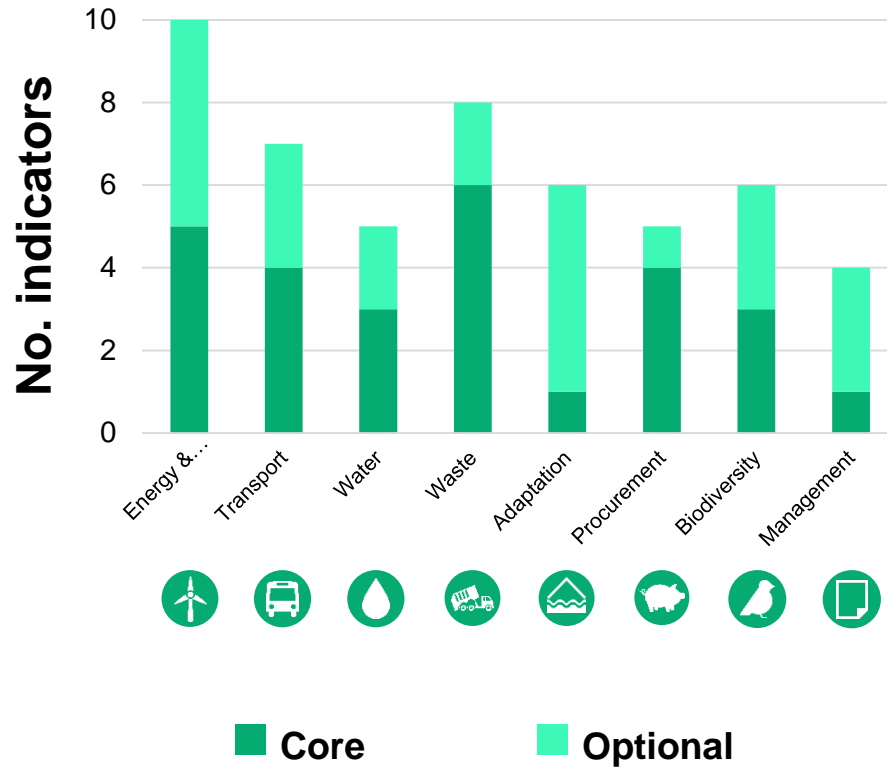
# Green Scorecard Structure



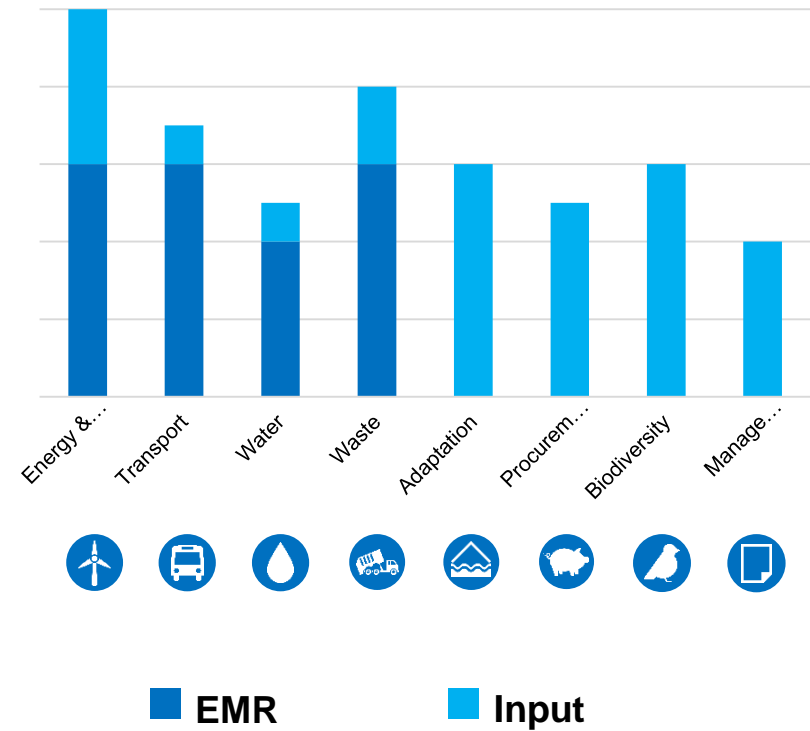
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## 'Weighting' of categories



## Data input types



# Green Scorecard

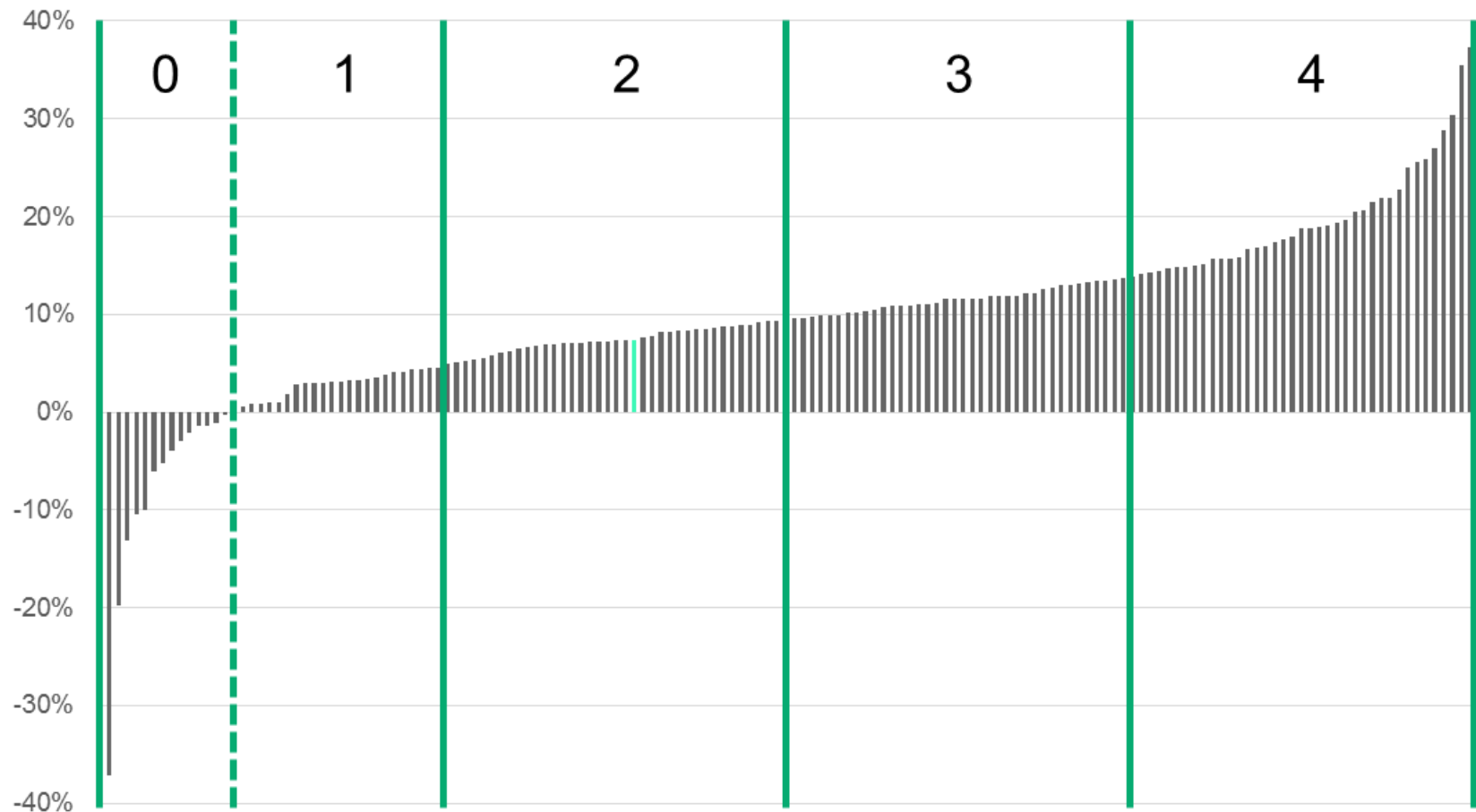
## Sector-defined boundaries



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EMR example – percentage reduction in energy consumption

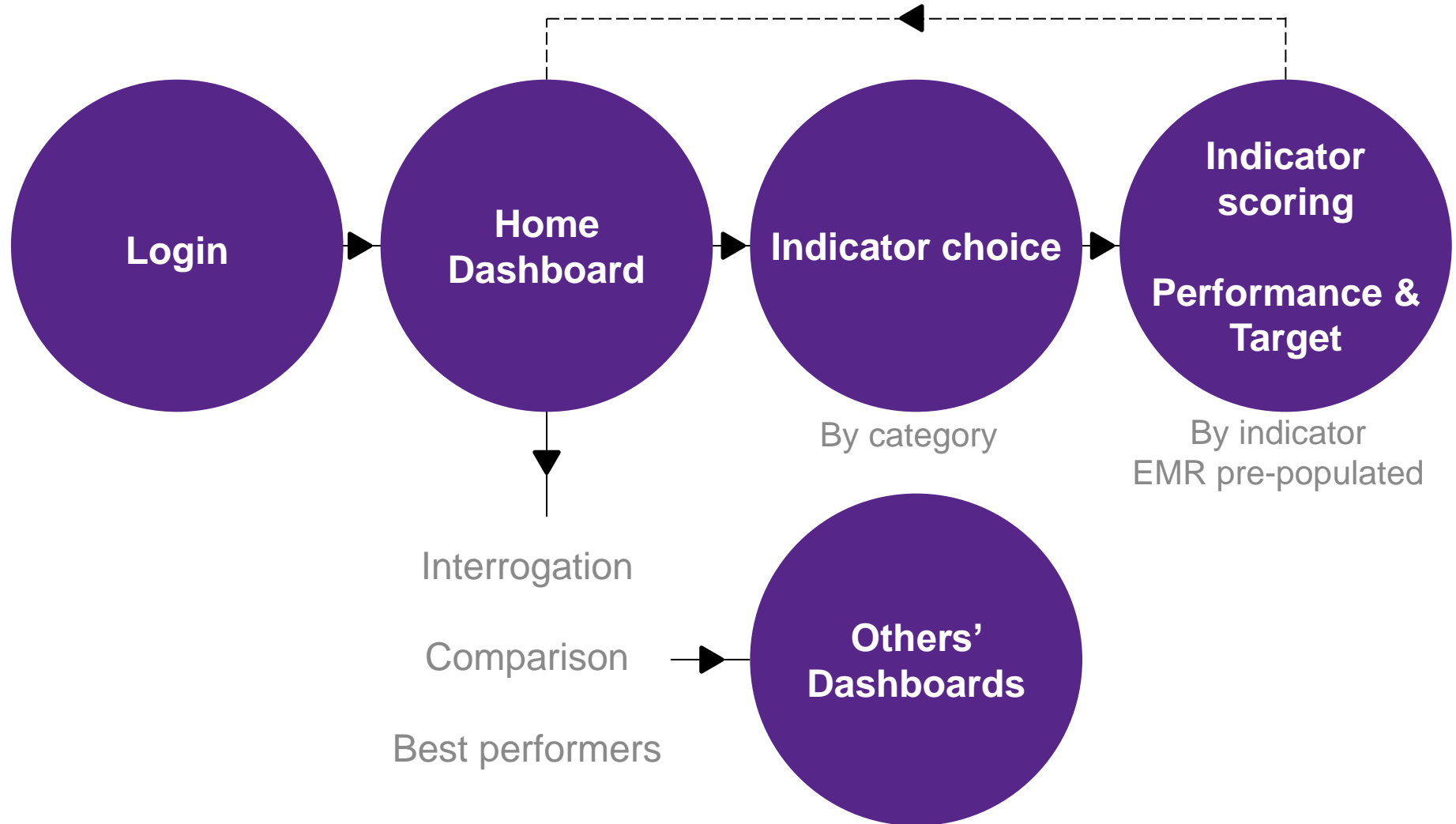


# Green Scorecard

## Web portal overview



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# Green Scorecard Indicator Choice



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Screenshot of the Aude Performance Indicators web application interface.

**Browser Address Bar:** <https://aude.shelf.ac.uk/#/emi>

**Page Header:** AUDE Estates, Estates and Facilities

**MAIN NAVIGATION:**

- Dashboard
- Performance Indicators (highlighted with a hand cursor)

**Performance Indicators Section:**

**Groups:** Transport (selected)

**Name:** Search Name...

Name	Description
<input checked="" type="checkbox"/> T1 Emissions from fuel used in HEI owned vehicles	Reduction in fuel emissions from HEI own vehicles
<input type="checkbox"/> T2 Proportion of fleet that are electric vehicles	What proportion of university owned fleet controlled by the Estates Function are electric vehicles? If there is a large variation in the distances covered by vehicle of different types, this should be considered within the subjective response.
<input checked="" type="checkbox"/> T3 Percentage modal split of zero carbon travel by staff	Improvement in percentage of zero carbon travel for staff
<input checked="" type="checkbox"/> T4 Percentage modal split of low carbon travel by staff - improvement	Improvement in percentage of low carbon travel for staff
<input checked="" type="checkbox"/> T5 Percentage modal split of low carbon travel by staff - absolute	Absolute level of low carbon travel for staff
<input type="checkbox"/> T6 Percentage modal split of zero carbon travel by students	Improvement in percentage of zero carbon travel for students
<input checked="" type="checkbox"/> T7 Percentage modal split of low carbon travel by students	Improvement in percentage of low carbon travel for students

Developed By: digital.ARUP

# Green Scorecard Indicator Scoring



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Browser address bar: <https://aude.shelf.ac.uk/#/performanceIndicator>

Browser tabs: MSA, 4P, Maps, C4 F1, Formula 1, Weather, BREEAM Extranet, Green Guide, Guardian, National Rail, Strava, Susti Hub, Yammer, Cycling Weekly

Page navigation: Page, Safety, Tools

Admin User

## A1 - Climate change risk assessment

An appraisal of the use and maturity of a climate change risk assessment for a university's buildings and operations. This should be used to inform policy.

**Non-EMR Indicator**  
This is a non EMR indicator. Please set the score in the table below as this is a Subjective indicator.

	Description	Score	Target
0	The risks of future climate change are not considered	<input type="checkbox"/>	<input type="checkbox"/>
1	There is a general awareness of potential future risks but no work has been done to understand the issues specifically affecting the institution	<input type="checkbox"/>	<input type="checkbox"/>
2	A high-level risk assessment has been carried out but the results have little impact on university operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	A comprehensive risk assessment has been carried, the results communicated and integrated to some degree into other areas	<input type="checkbox"/>	<input type="checkbox"/>
4	The risks of climate change with regard to the specific campus are fully understood and are well integrated into functional areas and future construction plans that might be affected.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Score Narrative**  
Enter a narrative for the score you have chosen.

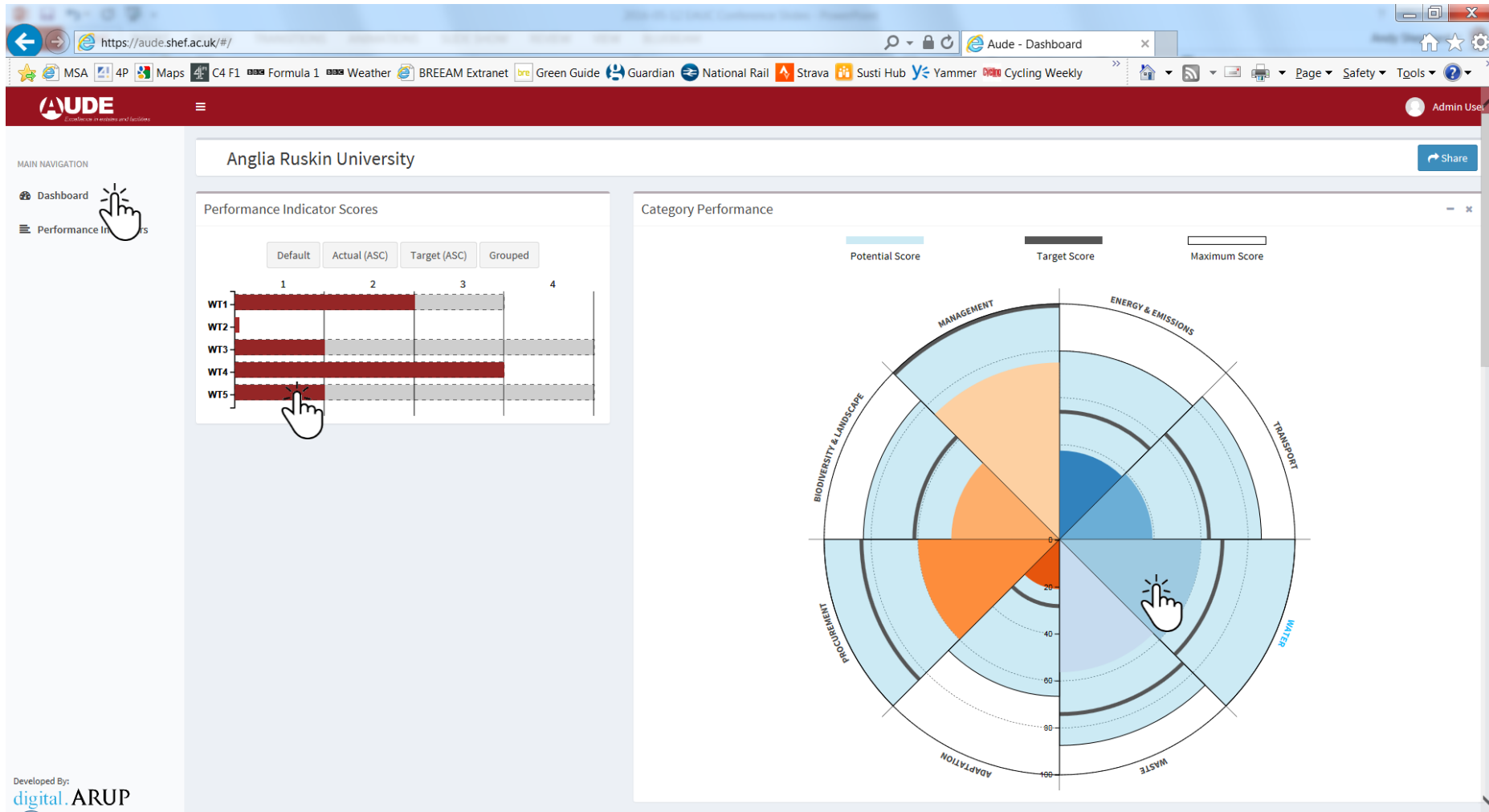
**Target Narrative**  
Enter a narrative for the target you have chosen.

Developed By: **digital.ARUP**

# Green Scorecard Dashboard – Overview



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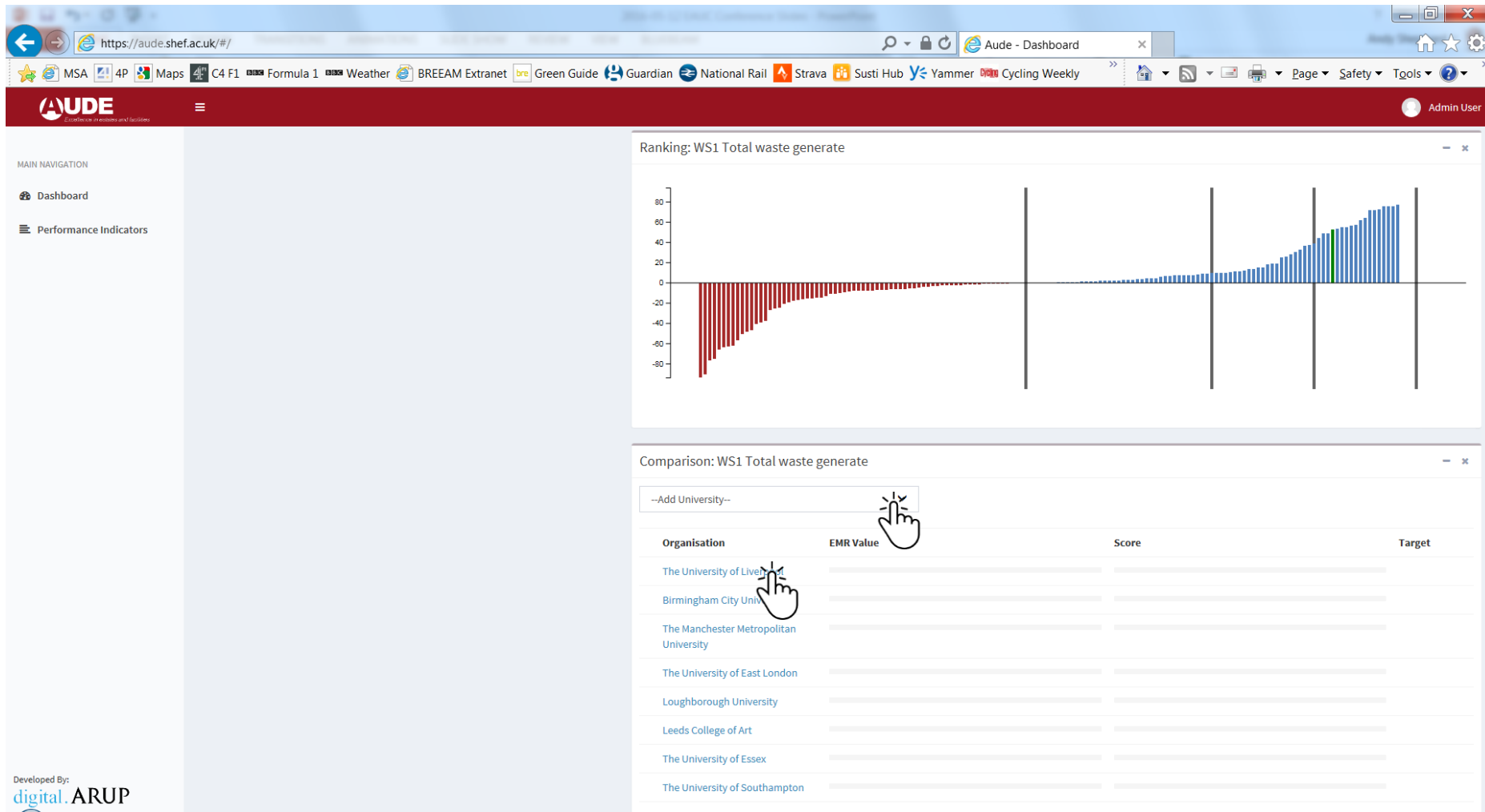




# Green Scorecard Dashboard – Indicators



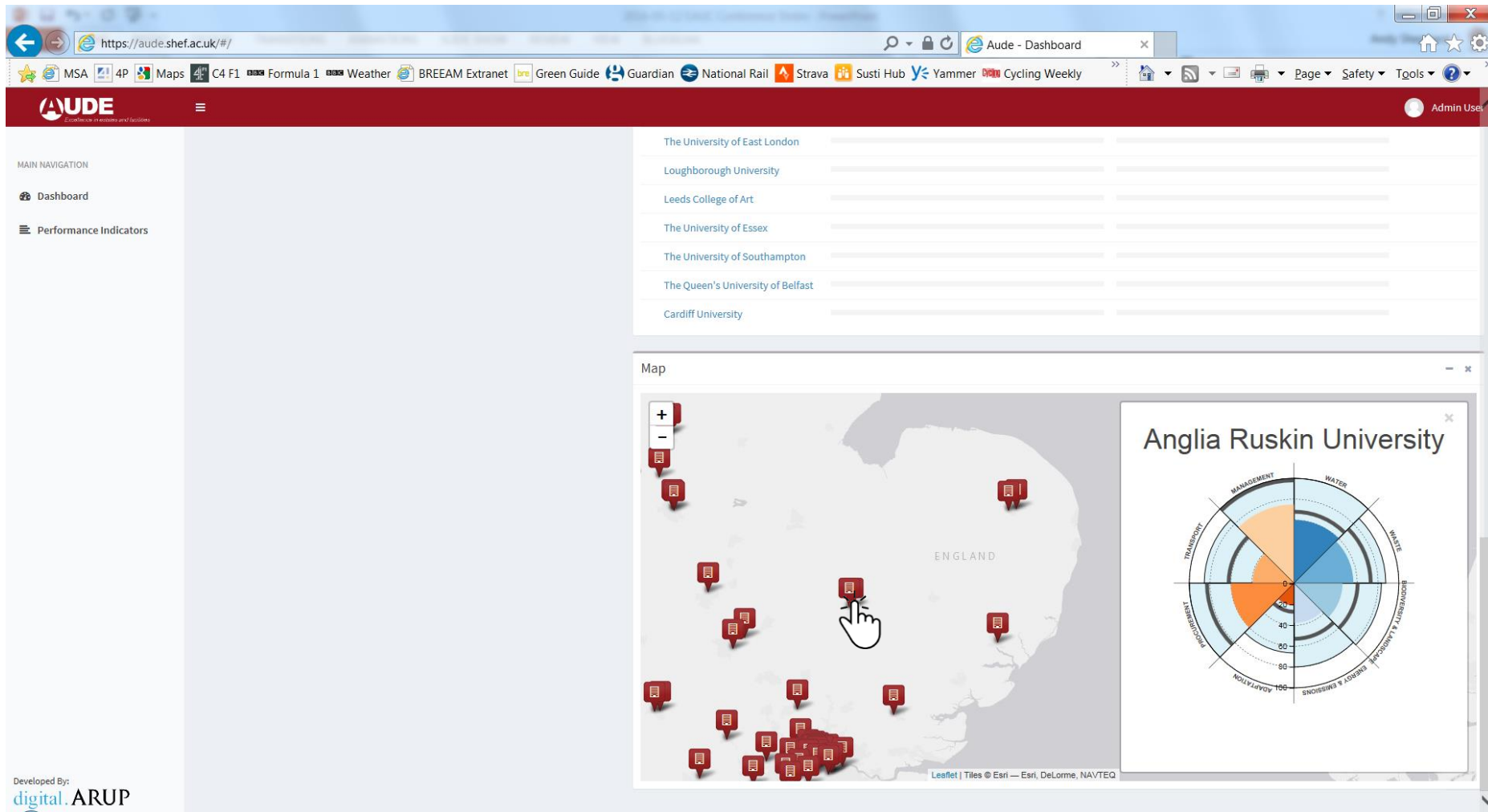
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# Green Scorecard Dashboard – Map



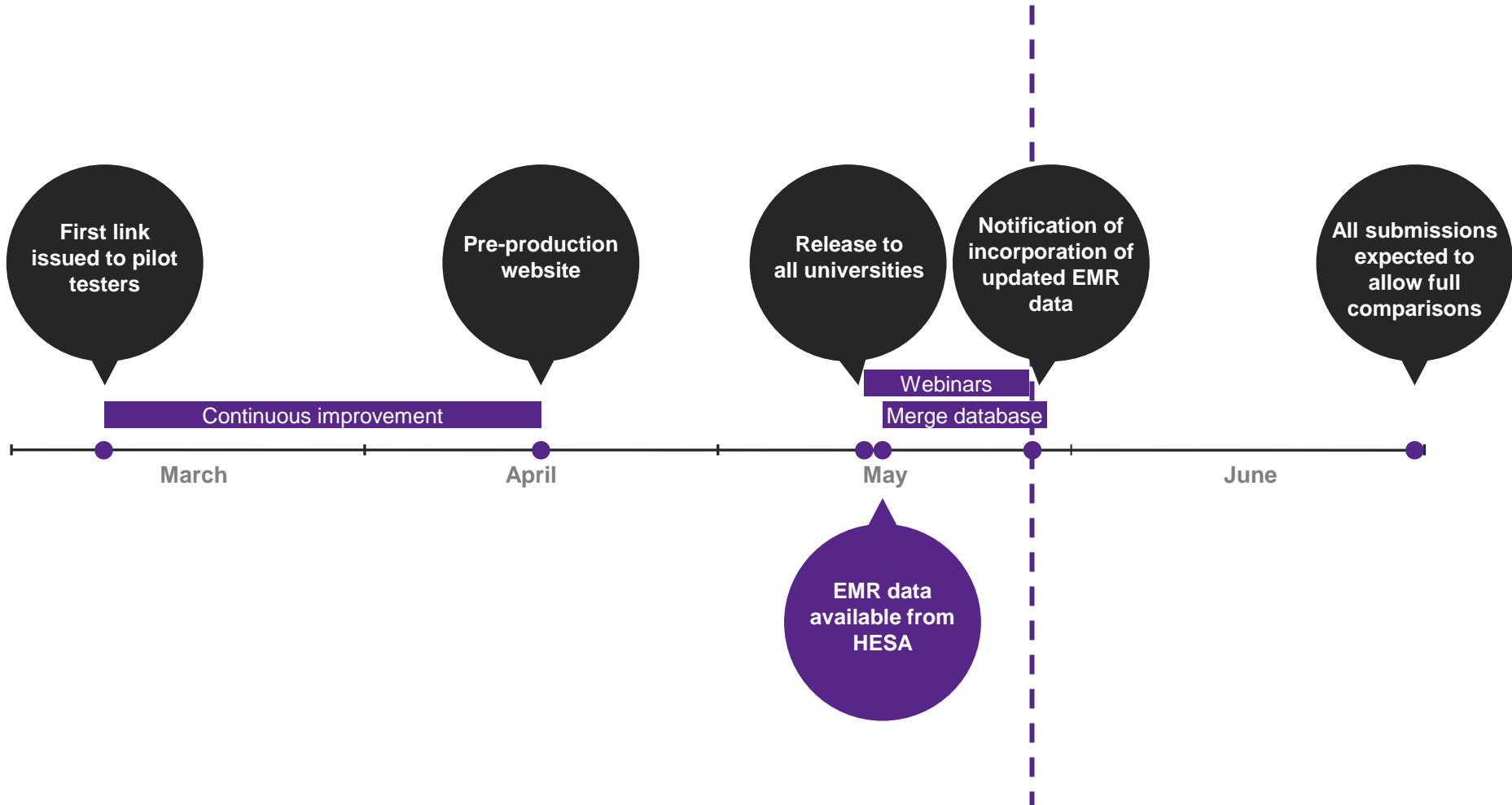
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# Green Scorecard Timeline



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## The future of sustainability reporting; sustainability mapping in the UK

Hassan Waheed, MA in Sustainable Development, University of Edinburgh

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# Sustainability indicators industry



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## Sustainability assessment / reporting tools

- ❖ Designed for the HE sector - cross-sectoral
- ❖ Whole institution approach - specific aspect
- ❖ Ranking - accreditation - guideline
- ❖ Duration of certification
- ❖ National - international
- ❖ Internally - externally defined scope
- ❖ Top-down - participatory implementation

# Sampling – Data collection



Estates and  
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1. Fair Trade
2. Green Impact
3. Procurement Flexible Framework
4. EcoCampus
5. ISO 14001
6. BREEAM
7. Carbon Trust
8. UI Green Metric
9. Responsible Futures
10. Food for Life
11. AUDE Green Scorecard
12. GRI
13. ISCN GULF Charter
14. ISO 26000
15. ISO 50001
16. SustainaBUL
17. STARS

# Data analysis I



**Estates and  
Operations**



## Responsible Futures

4 Priority Areas	Learning, Teaching & Research			Leadership & Governance		Estates & Operations						Partnership & Engagement		
14 Frameworks	Research	Learning/ Teaching	Student Engage	Leader- ship	Staff Engage	Bio- diversity	Sustainable ICT	Utilities	Travel / Transport	Sustainable Construction	Waste & Resource	Public Engage	Business Interface	Procurement
Policy & Strategy														
Action Planning														
Stakeholder Engagement														
Measurement														
Communication														
Training & Support														
Implementation														
Link to Curriculum														

<b>BRONZE</b>	<b>0 – 33 %</b>
<b>SILVER</b>	<b>34 – 66 %</b>
<b>GOLD</b>	<b>67 – 100% +</b>

# Data analysis II



## Estates and Operations

[illegible]



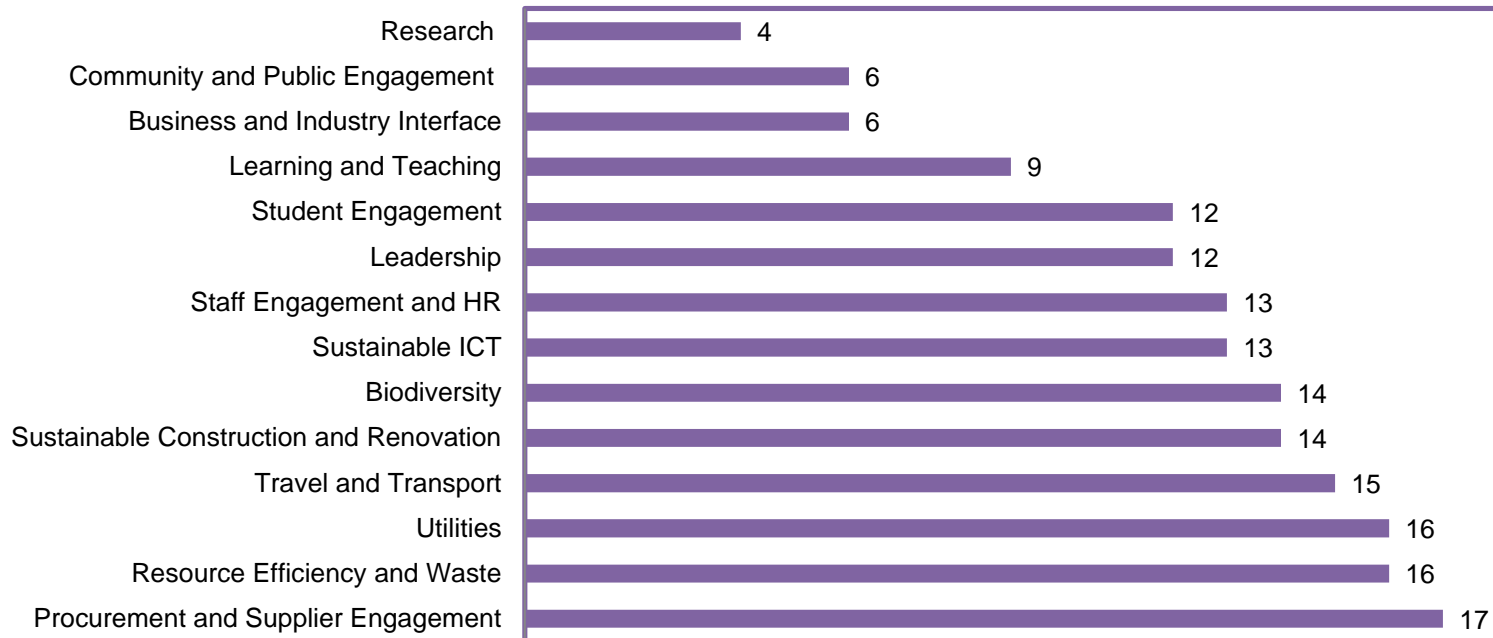
# Findings



**Estates and  
Operations**



## Number of tools addressing each framework



Yarime and Tanaka (2012)	Fischer et al. (2015)	EAUC (2016)
16 SATs	12 SATs	17 SATs
research, education & outreach under-represented	research, education & outreach under-represented	research, education & outreach under-represented

# Dashboard



**Estates and  
Operations**



Reasons for the dashboard:

1. Comparison of tools
2. Setting each tool within a Whole Institution Approach
3. Institutions get a clearer sense of their own picture

# Weightings



**Estates and  
Operations**



## 8 Activity Areas in a Framework

<b>Activity Areas</b>	<b>Weighting (total: 100)</b>
Policy & Strategy	10
Action Planning	10
Stakeholder Engagement	15
Measurement	20
Communication	5
Training & Support	5
Implementation	20
Link to curriculum	15

Bronze: 33%

Silver: 66%

Gold: 100

# Activity area scoring



**Estates and  
Operations**



		Priority Area	Estates & Operations					
		Frameworks	Bio-diversity	Sustain-able ICT	Utilities	Travel/Transport	Sustain Construct	Waste & Resource
<b>Activity Areas</b>	<b>Max Score</b>							
	10	Policy & Strategy						
	10	Action Planning	6.66		6.66	6.66	10	6.66
	15	Stakeholder	10			10	15	
	20	Measurement	13.33		13.33	13.33	20	6.66
	5	Communication	3.33			3.33	5	
	5	Training & Support	3.33				5	
	20	Implementation	13.33	13.33	13.33	13.33	20	13.33
	15	Link to curriculum						

How the Activity Area scoring worked

# Framework scoring



**Estates and  
Operations**



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	5	Training & Support	3.33				5	
	20	Implementation	13.33	13.33	13.33	13.33	20	13.33
	15	Link to curriculum						
Total	100	Framework Totals	50	13	33	47	75	27
		Priority Area Average	41					

Starting	0-19
Bronze	20-39
Silver	40-59
Gold	60-100

The Framework Awards

# Dashboard



## Estates and Operations



4 Priority Areas	Learning, Teaching & Research			Leadership & Governance		Estates & Operations						Partnership & Engagement		
14 Frameworks	Research	Learning/Teaching	Student Engage	Leadership	Staff Engage	Bio-diversity	Sustainable ICT	Utilities	Travel/Transport	Sustain Construct	Waste & Resource	Public Engage	Business Interface	Procurement
Green Scorecard	Starting		Starting		Starting	Silver	Bronze	Silver	Silver	Gold	Silver			Starting
	Starting			Starting		Starting						Starting		
BREEAM						Silver	Starting	Bronze	Silver	Gold	Bronze		Starting	Bronze
						Starting						Starting		
Carbon Trust				Starting	Starting		Gold	Gold	Gold	Starting	Gold		Starting	Bronze
				Starting		Starting						Starting		
Fair Trade	Starting	Starting											Starting	Silver
	Starting					Starting						Starting		
Food for Life											Starting		Starting	Silver
						Starting						Starting		
GRI	Starting	Starting		Gold	Bronze	Bronze	Bronze	Bronze	Bronze	Starting	Bronze	Bronze		Bronze
	Starting			Gold		Bronze						Bronze		
ISCN-GULF	Silver	Silver		Silver		Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Bronze
	Bronze			Bronze		Bronze						Bronze		

# Conclusion



Estates and  
Operations



- Detailed methodology will be in the published report.
- Not a league table, and not promoting external tools.
- Logic: recognising good work (internal and external).
- Affording flexibility, assisting for broader and deeper holistic picture not judging/ranking (that's why using bronze/silver/gold)... helping develop 'pathways'
- Accreditation option under development, 'gaps' to be reviewed, more tools to be added (e.g. REF, Investors in People etc.) ... still a 'work in progress'

Questions?



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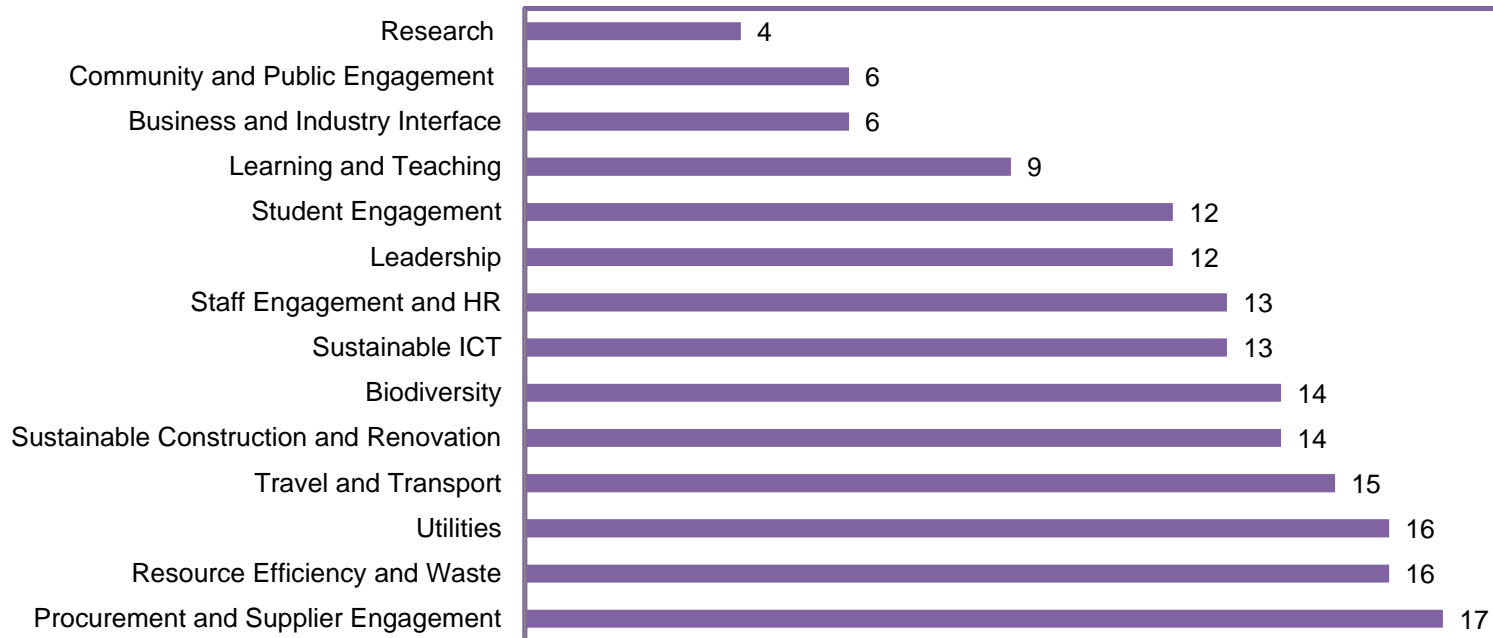
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# Activity area scoring



**Estates and  
Operations**



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How the Activity Area scoring worked



# Framework scoring



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