



Sustainability and Procurement: How IT Can Help

Andrew Meikle

UCISA Sustainability Group Chair

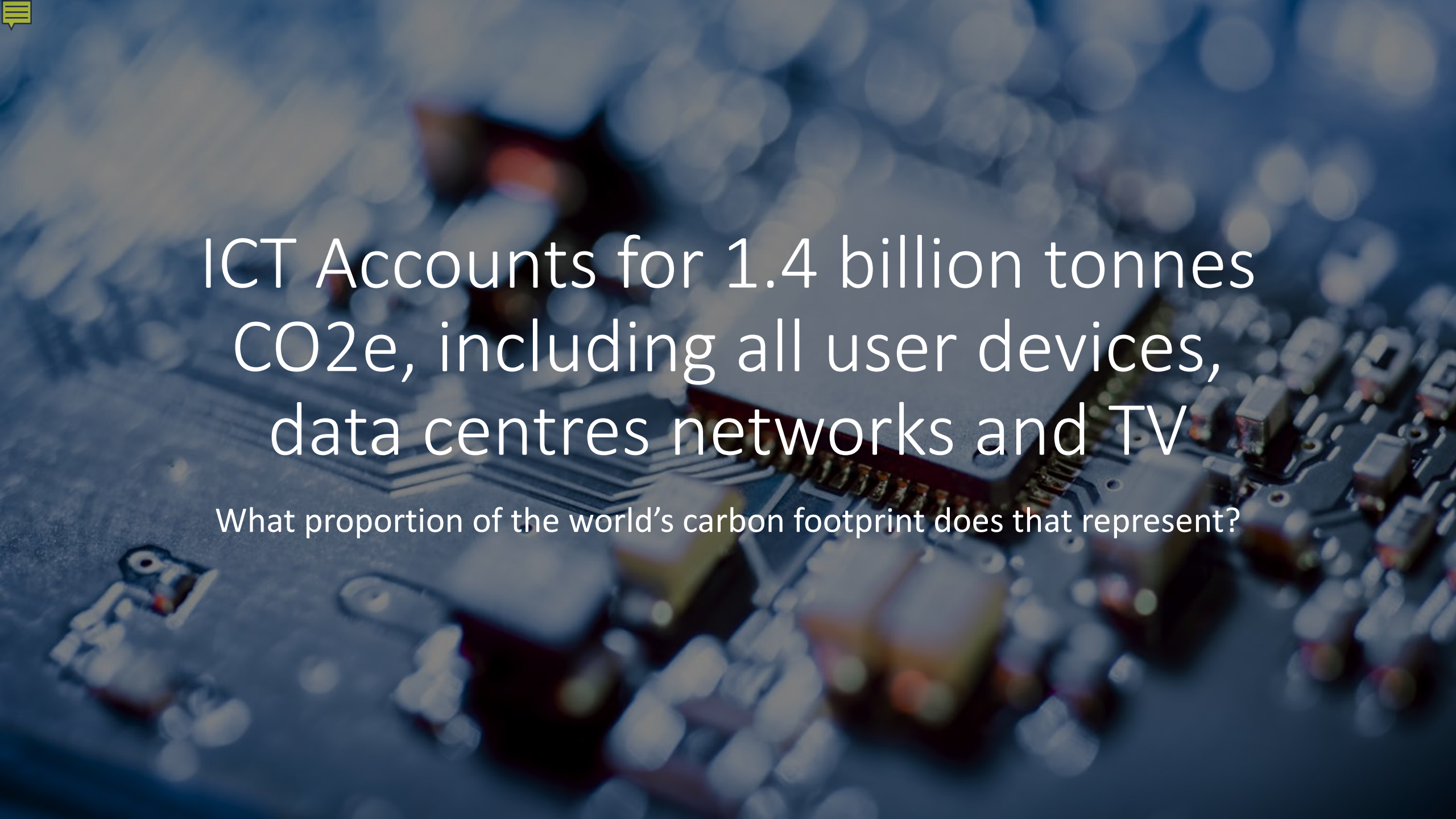
Head of Corporate Information Systems, Lancaster





Introduction

- Sustainability group formation, purpose and goals
- Changing individual, university and sector behaviours
 - Case studies
 - Best practice
 - Working with other sector groups
 - Challenge suppliers on behalf of the sector



ICT Accounts for 1.4 billion tonnes
CO₂e, including all user devices,
data centres networks and TV

What proportion of the world's carbon footprint does that represent?

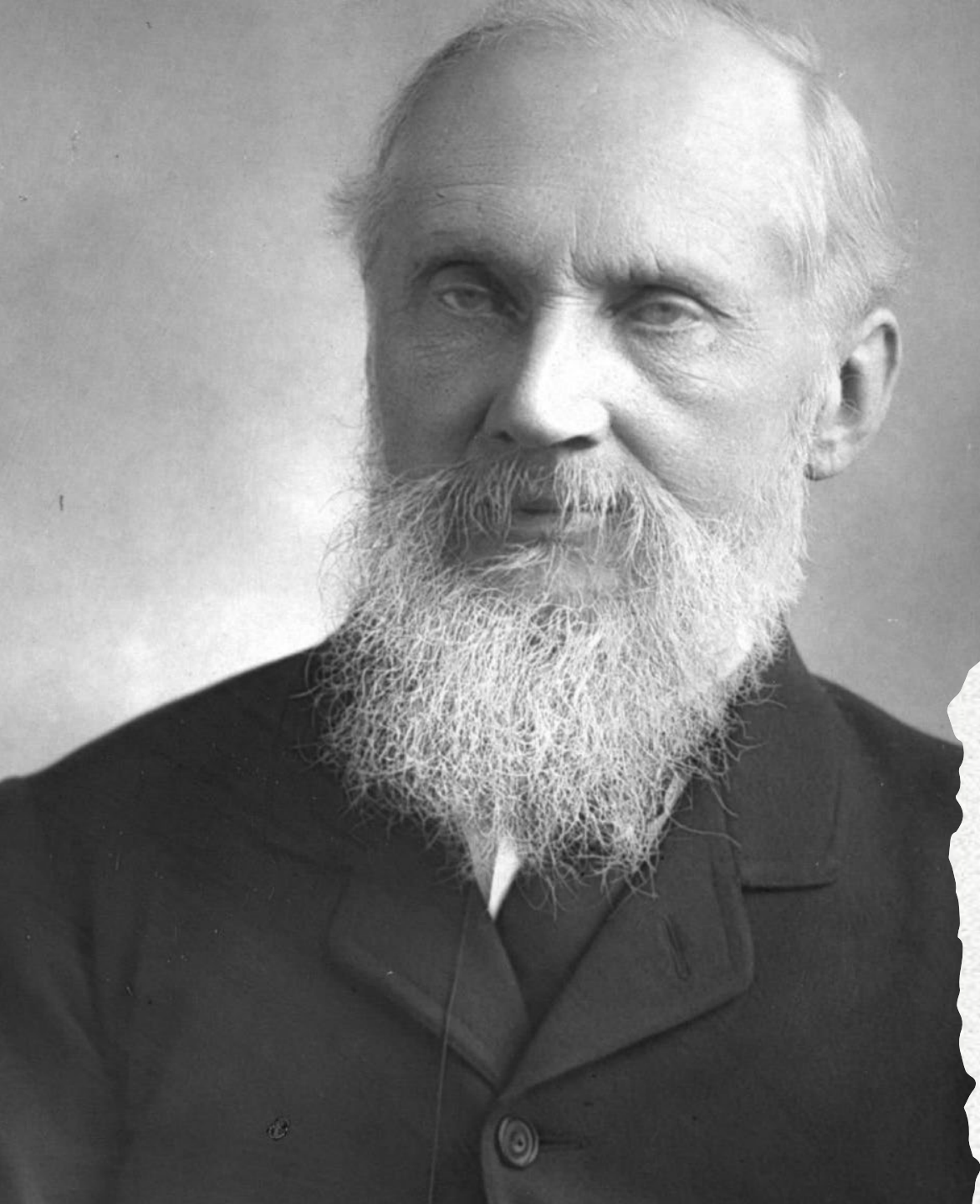


Scope 1, 2 and 3

- Scope 1: Fuel Combustion; company vehicles; fugitive emissions (leaks)
- Scope 2 : Purchased Electricity, heat and steam
- Scope 3 :
 - Purchased goods and services
 - Business travel
 - Employee commuting
 - Waste disposal
 - Use of sold products
 - Transportation and distribution
 - Investments
 - Leased assets and franchises

Kraft Foods calculated that Scope 3 emissions accounted for 90% of their carbon footprint.





If you can not
measure it, you can
not improve it

Lord Kelvin

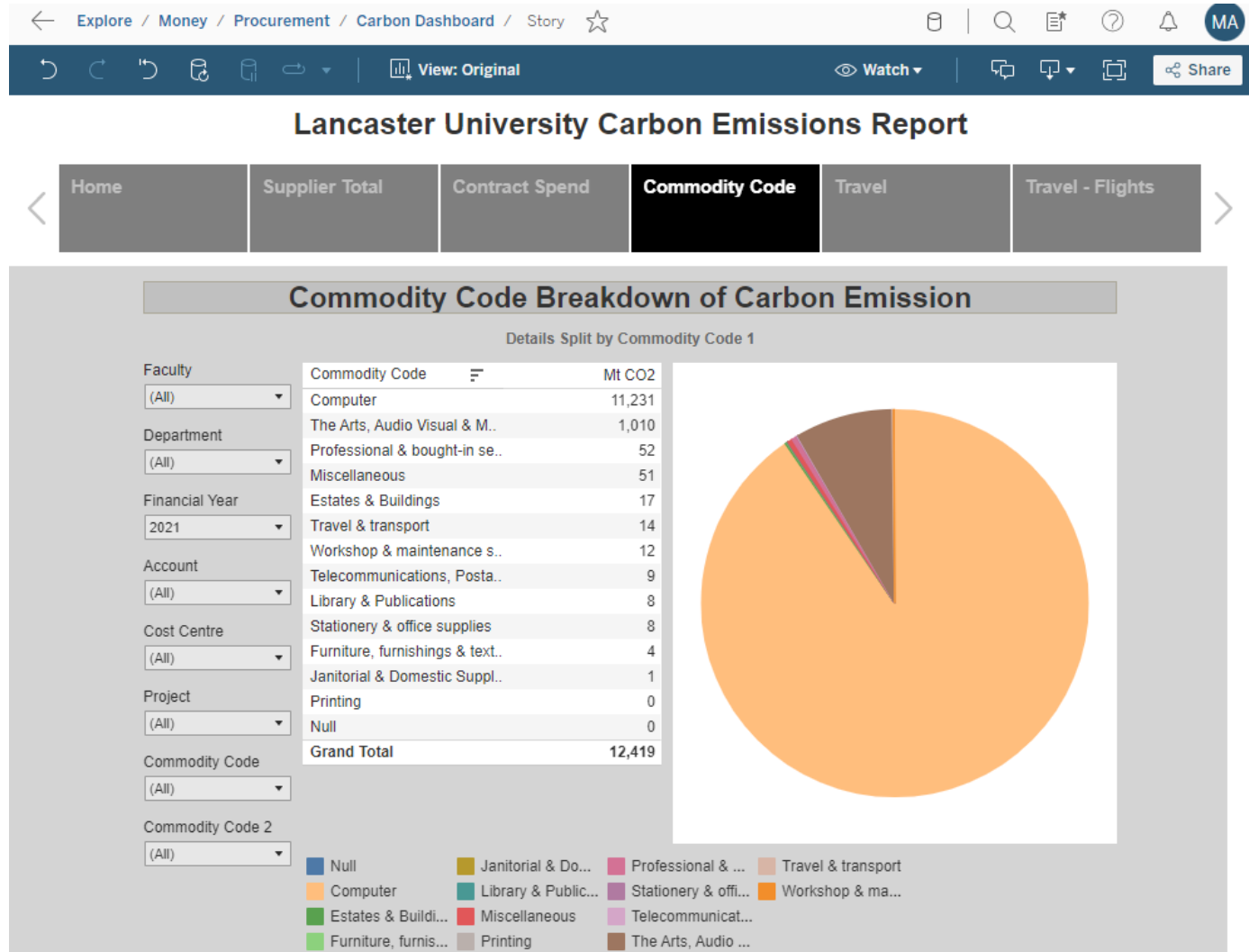


DEFRA—what figures do they have, what do they publish, what do they mean

- DEFRA Publish green house gases conversion figures
 - For scope 1 and 2, help establish the carbon equivalent of fuels
 - For scope 3, the carbon cost of building materials, air travel
- Using DEFRA Figures APUC have developed tables relating commodity code spend with CO₂e



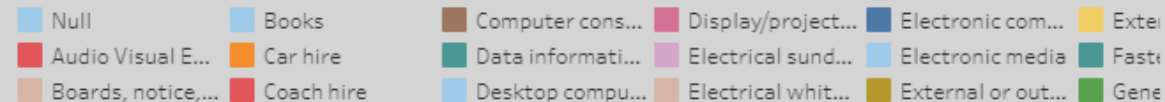
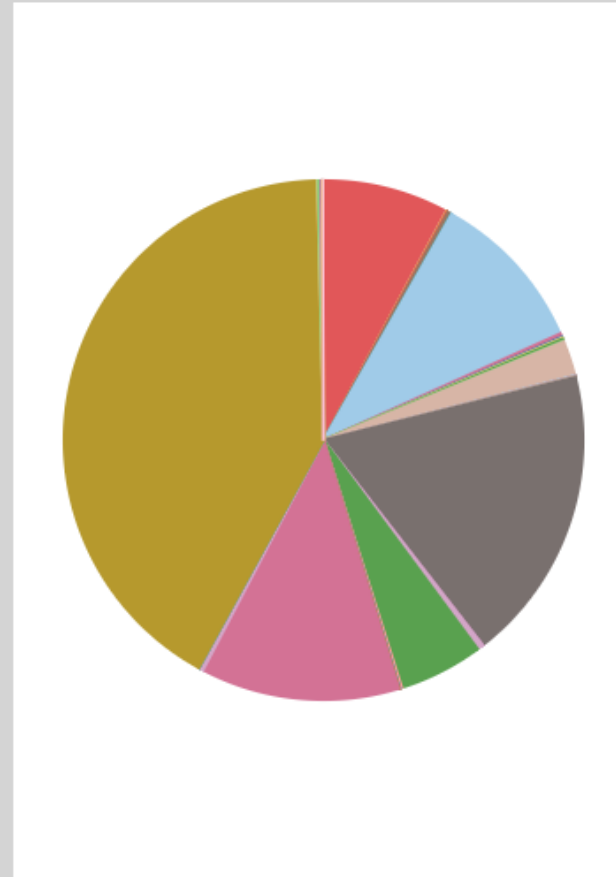
Combining DEFRA numbers with accounting numbers



Combining DEFRA numbers with accounting numbers

Details Split by Commodity Code 2

Commodity Code	Commo..	
Null	Null	0
Computer	Software pur..	5,170
	Network inst..	2,282
	Portable/lapt..	1,536
	Desktop com..	1,250
	Other/genera..	651
	Internet & Int..	271
	Printer purch..	34
	Computer co..	28
	Web Design	6
	Magnetic me..	2
Estates & Buildings	General	17
	Signs & Sign..	0
	Specialist Se..	0
Furniture, furnishings & text..	Boards, notic..	4
	Electrical whi..	0
Janitorial & Domestic Suppli..	Protective	1
	Paper dispos..	0
Library & Publications	Journals	5
	Library	2
	Electronic m..	1
	Books	0
Miscellaneous	Other	48
	Marketing & ..	3





Visualise the carbon cost of purchasing

- Getting data into the open helps inform decisions
- See how much carbon your purchasing has likely generated
- Compare year on year; is your carbon spend increasing or decreasing
- Identify the areas of spend where carbon is most intensive
- Prioritise the discussions you need to have with your suppliers

What Next for the Tool?

- Share methodology with other institutions
- Carbon and Research
- Build in supplier by supplier by cost code exceptions
- Carbon budgets



What Next for Suppliers?

- **Suppliers give us some numbers but**
 - **Not consistently**
 - **Not in a way that allows the numbers to be easily consumed**
- **Challenge them to show us figures at least as trustworthy as DEFRA figures**
 - **Which represent the carbon cost of our purchases (transaction by transaction)**
- **Make sustainability a key part of supplier selection**
 - **Lifecycle length**
 - **Carbon cost**
 - **Supplier sustainability targets**

How You Can Help

- Use carbon data to inform decisions
- Dataset available here:
 - https://www.sustainabilityexchange.ac.uk/hescet_tool
- Talk with your suppliers about their sustainability plans
 - Remember the Scope 3 supply chain emissions
- Join the UCISA sustainability group

andrew.meikle@lancaster.ac.uk

h.r.brogger@reading.ac.uk or reach out to membership@ucisa.ac.uk