

# Business Travel

Improving data reporting and engagement  
to support taking action

Siôn Pickering, Communication Coordinator

Department of Social Responsibility & Sustainability, University of Edinburgh



THE UNIVERSITY of EDINBURGH

 @EdSust

 /EdinburghSustainability



Social Responsibility  
and Sustainability

# Context

We're a big, complicated and **international** University...



THE UNIVERSITY *of* EDINBURGH

 @EdSust

 /EdinburghSustainability



Social Responsibility  
and Sustainability



ZERO BY  
2040

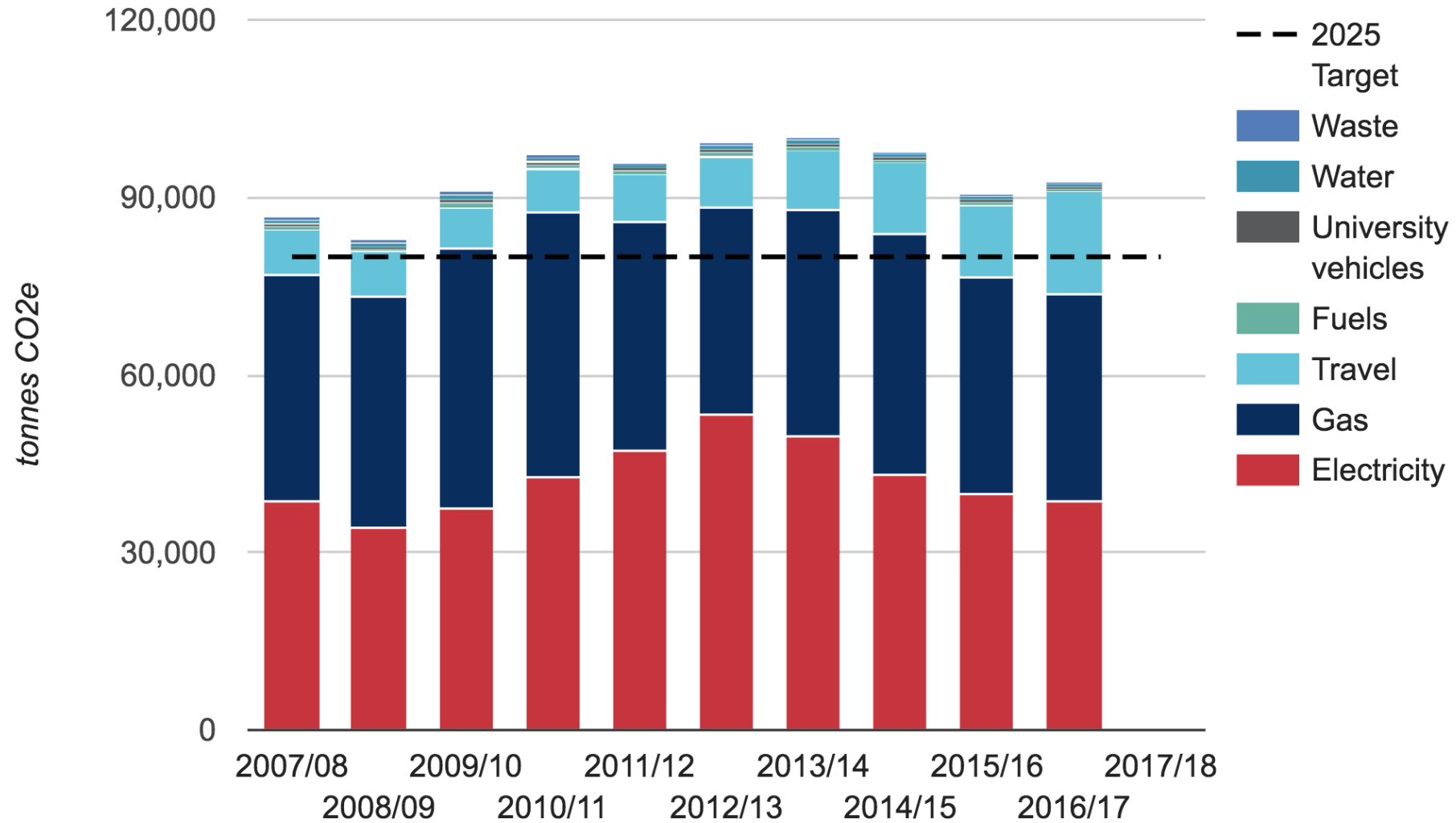


# Progress with a focus on energy

- **£4 million Sustainable Campus Fund**
- **More than £20 million invested in low-carbon energy on campus**
- **100% zero carbon electricity tariff (but that doesn't count)**
- **Divested from fossil fuel investments**
- **Extensive review of renewables ongoing**



# Carbon emissions by type (2007-17)



# Our reporting challenge

We knew emissions from travel were high, but couldn't easily analyse them

- Existing system took **6 weeks** to **guess** our business travel emissions
- Staff often didn't enter easy to read origins and destinations
- A lot of time was spent **finding and correcting mistakes**



# The solution

We spent 8 weeks to create a new system to automate the analysis of our business travel data

- Completely new approach – understands the text staff enter
- Takes hours not weeks to process data
- Automatically created report so staff can see their department's emissions



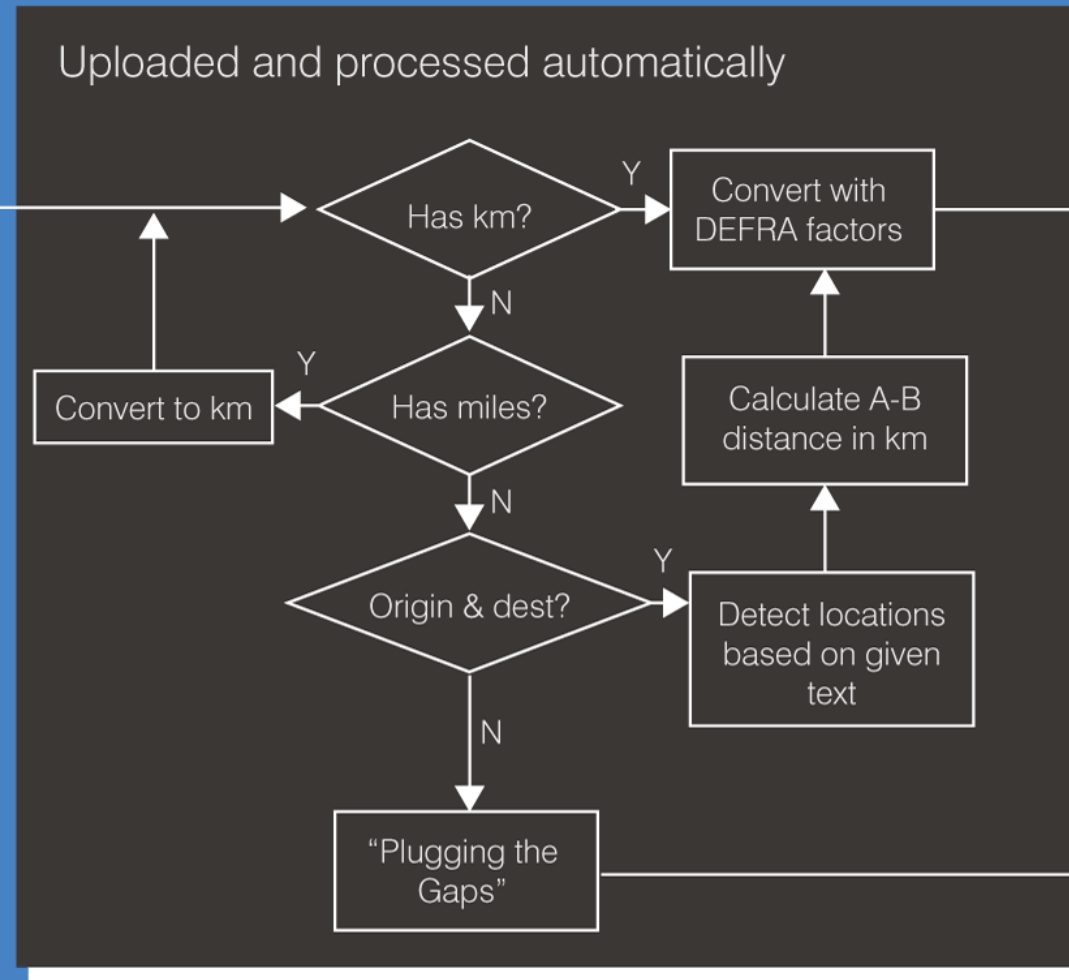


# How it works

- Key Travel
- Taxi firms
- Car rental
- Expenses
- etc...

Standard import format for incoming data

1-2 hours work



Business Travel report including flight map

Runs overnight (6-12 hours)



[www.edin.ac/business-travel-report](http://www.edin.ac/business-travel-report)



THE UNIVERSITY *of* EDINBURGH



@EdSust



/EdinburghSustainability



Social Responsibility  
and Sustainability

# What the data means



THE UNIVERSITY *of* EDINBURGH

 @EdSust

 /EdinburghSustainability



Social Responsibility  
and Sustainability

# What the data means

## Managing business travel carbon will be a challenge

- Bad news
  - We are seeing huge growth in business travel costs and emissions
- Better news
  - Flights are in decline as a percentage of domestic travel
  - Domestic rail has doubled in 4 years, domestic flights are almost static
- Most emissions growth comes from European and long haul travel
  - Still, London remains an opportunity to cut ~1% from our emissions



Is this a useful system?



THE UNIVERSITY of EDINBURGH

 @EdSust

 /EdinburghSustainability



Social Responsibility  
and Sustainability

# What are the next steps?



THE UNIVERSITY *of* EDINBURGH

 @EdSust

 /EdinburghSustainability



Social Responsibility  
and Sustainability

# Asking staff what they think

We interviewed 5 senior managers, conducted focus groups with around 40 academic and professional staff so far



# Why do staff travel?

We got some very frank answers

- Because they needed to go
- But also sometimes...
  - They were told to go
  - Because they feel travel is needed for promotion
  - There was a budget that had to be spent by a certain date
  - Other colleagues were going





# Why do staff fly to London?

It's not as easy as saying “*staff should always take the train*”

- There isn't a train that gets there by 9am
- They didn't even think of booking a train
- Don't like using Key Travel
- Feel it's too expensive



# What could we do about it?

We researched and proposed a series of potential options



# Proposed interventions

- Advice to staff
- Video conference training
- Support for planning trips
- Voluntary face-to-face seminars
- Voluntary training for staff who book travel
- Private 'league table' or benchmark
- Mandatory training for staff who book travel
- Public 'league table' or benchmark
- A voluntary carbon offsetting scheme
- A mandatory carbon offsetting scheme
- A policy recommending train to London
- A policy requiring train to London



# Proposed interventions

- Advice, voluntary training and recommending the train to London are non-controversial
- Academics are strongly opposed to a policy limiting flights to London
- Academics are surprisingly supportive of a mandatory carbon offset.

Intervention	Weighted score	Expected impact
a) Advice to staff	3.0	Low
b) Video conference training	1.6	Low
c) Support for planning trips	2.2	Low
d) Voluntary face-to-face seminars	1.3	Low
e) Voluntary training for staff who book travel	2.5	Low
f) Private 'league table' or benchmark	1.0	Low
g) Mandatory training for staff who book travel	-0.1	Moderate
h) Public 'league table' or benchmark	0.0	Moderate
i) A voluntary carbon offsetting scheme	1.4	Low
j) A mandatory carbon offsetting scheme	0.4	High
k) A policy recommending train to London	2.4	Moderate
l) A policy requiring train to London	-1.2	High



# Our final proposals to pilots

- **Mandatory online training**
- **Mandatory train to London**  
(unless the staff member can prove a reason to fly)
- **Automatic carbon compensation on flights**  
(£25 to London, £35 in Europe, £50 rest of the world)

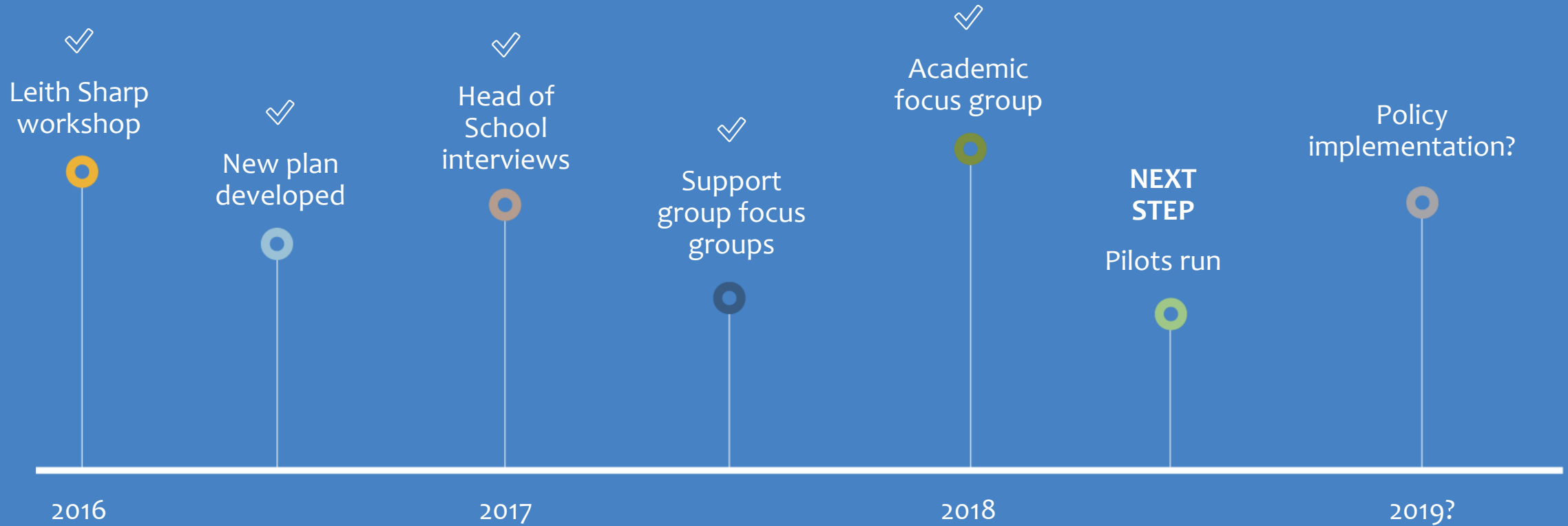


# Plus we're also testing (everywhere)

- **Staff pledge to fly less** (with some sort of benefits)
- **Changing internal grant criteria** (with IAD)
- **Public business travel reports** (from late summer)
- **Training that encourages taking the train**



# Process

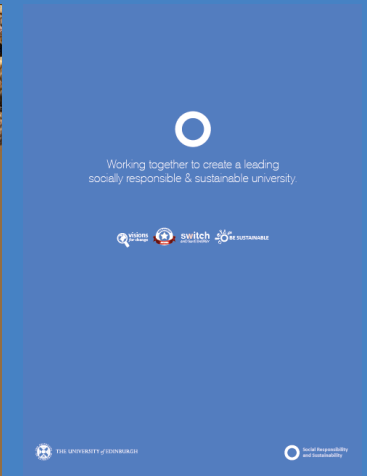
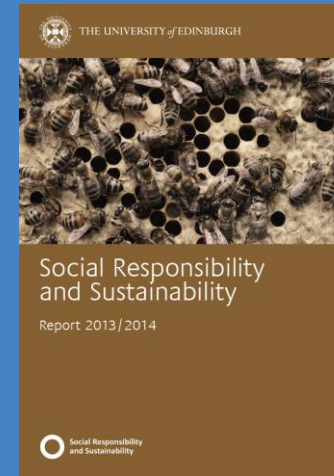


# Questions?

Sion.Pickering@ed.ac.uk

 @EdSust

 /EdinburghSustainability



[www.ed.ac.uk/sustainability](http://www.ed.ac.uk/sustainability)



THE UNIVERSITY of EDINBURGH

 @EdSust

 /EdinburghSustainability

