

# Towards low-carbon business: 2020 & 2050

Harry Morrison  
Managing Director, Carbon Trust Certification

11<sup>th</sup> October 2011



# Agenda



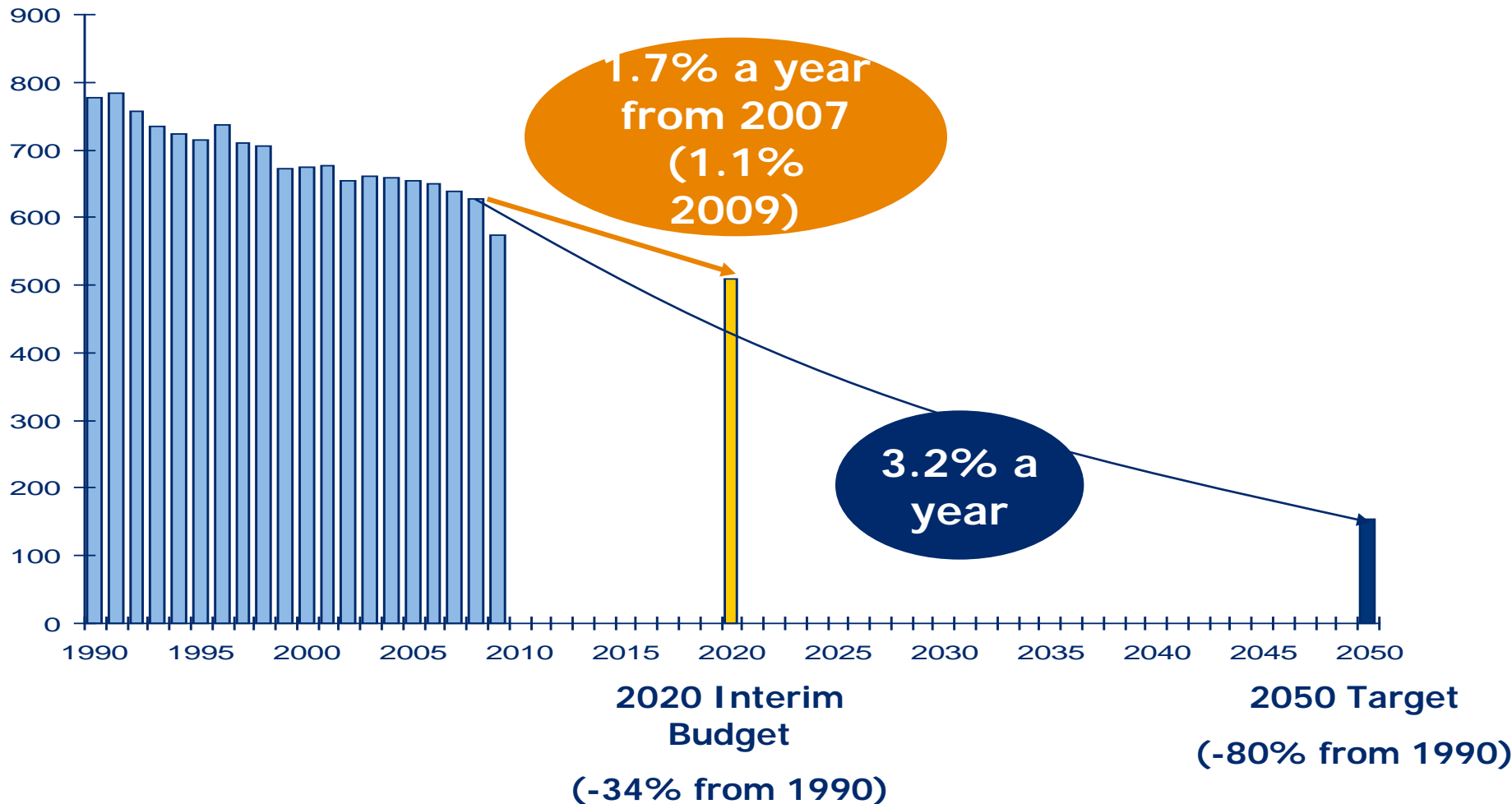
- Emissions reduction: UK context
- Organisational footprint certification
- Addressing supply chain emissions

# The UK decarbonisation challenge



## Historic UK Emissions and Potential Trajectories

MtCO<sub>2</sub>e

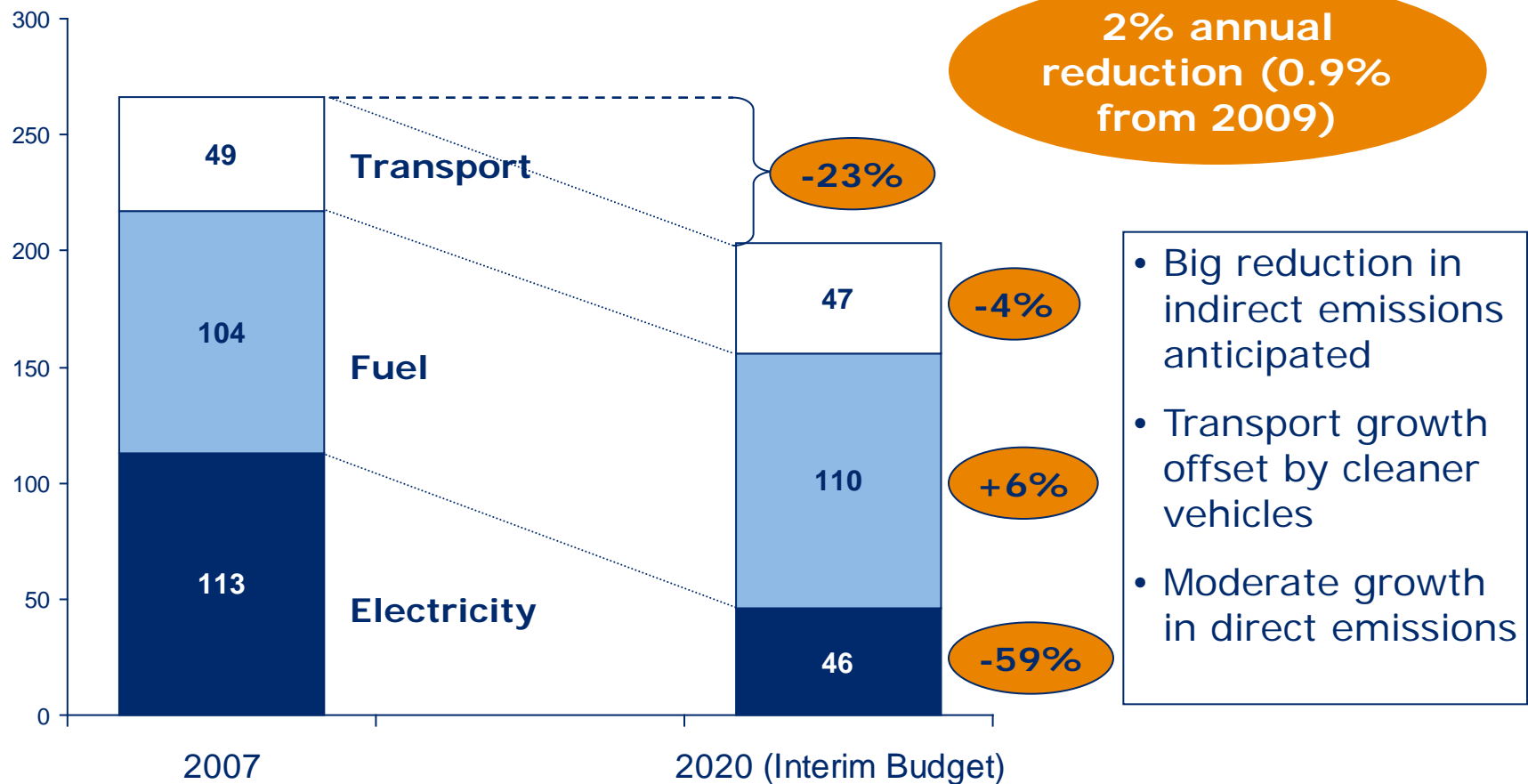


# Business targets to 2020



## Business Emissions in the 2020 Carbon Budget

MtCO<sub>2</sub>e

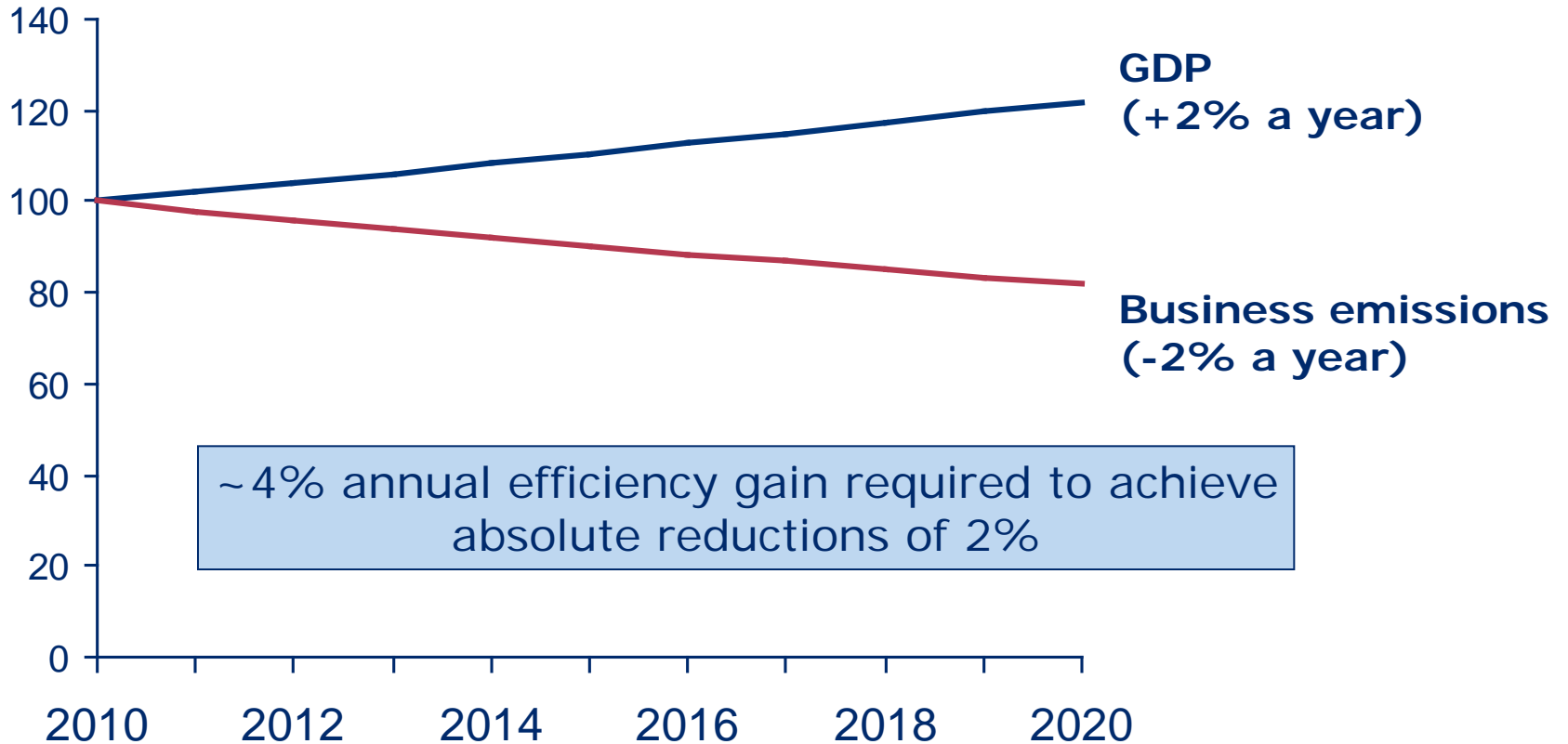


# Economic growth means rapid efficiency savings are required



## GDP and business emissions trajectories

Indexed (2010 = 100)



# Carbon reduction has clear business benefits

- Cost savings: ~£120/tCO<sub>2</sub> from energy alone
- Build brand and reputation
- Respond to customer/supply chain demand
- Mitigate regulatory risks/costs (e.g. CRC)

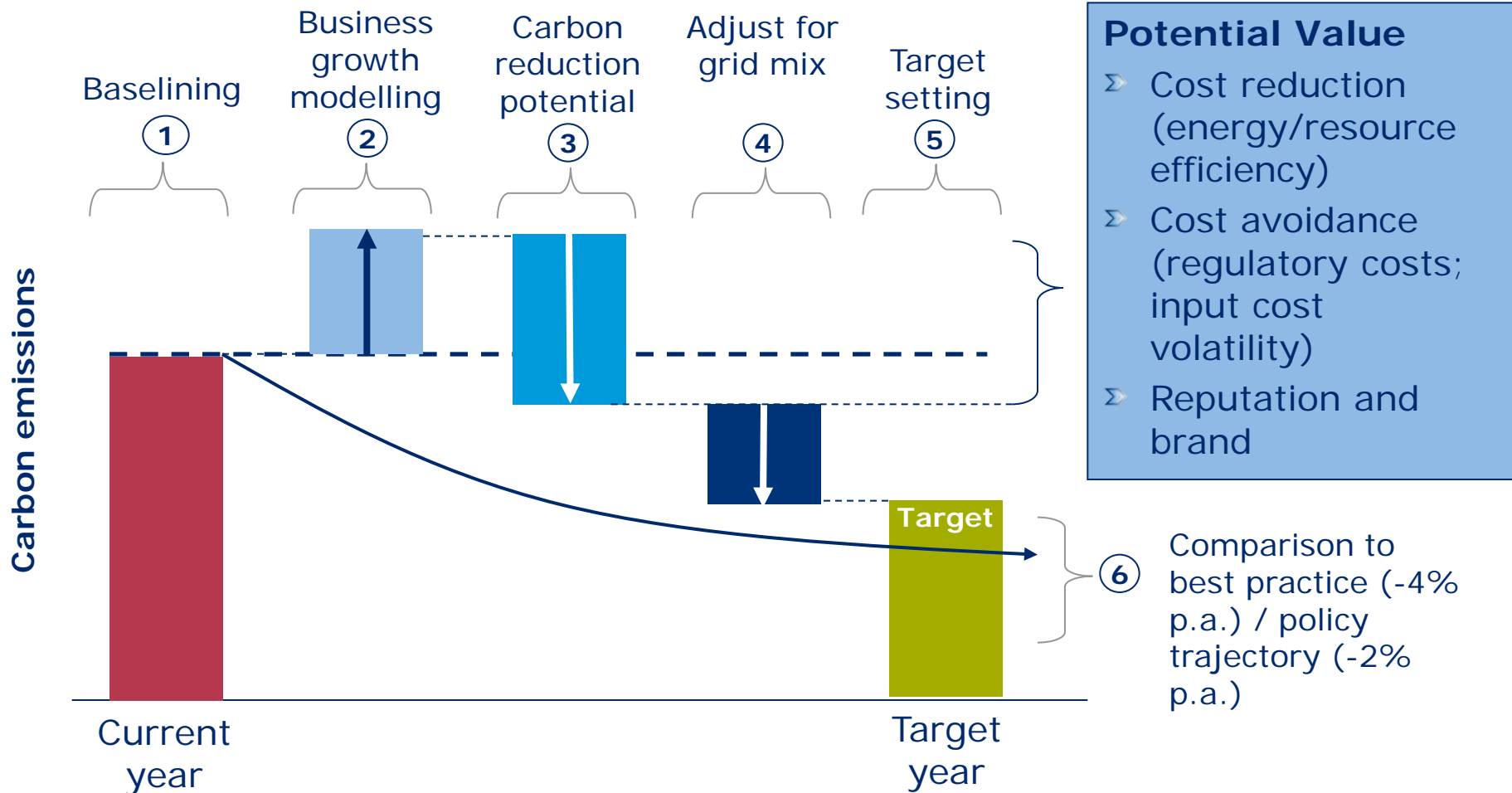


But only 13% of large companies have a publicly stated carbon reduction target\*

# Defining a corporate target and strategy can be challenging



# 6 steps to a setting a strategic carbon target

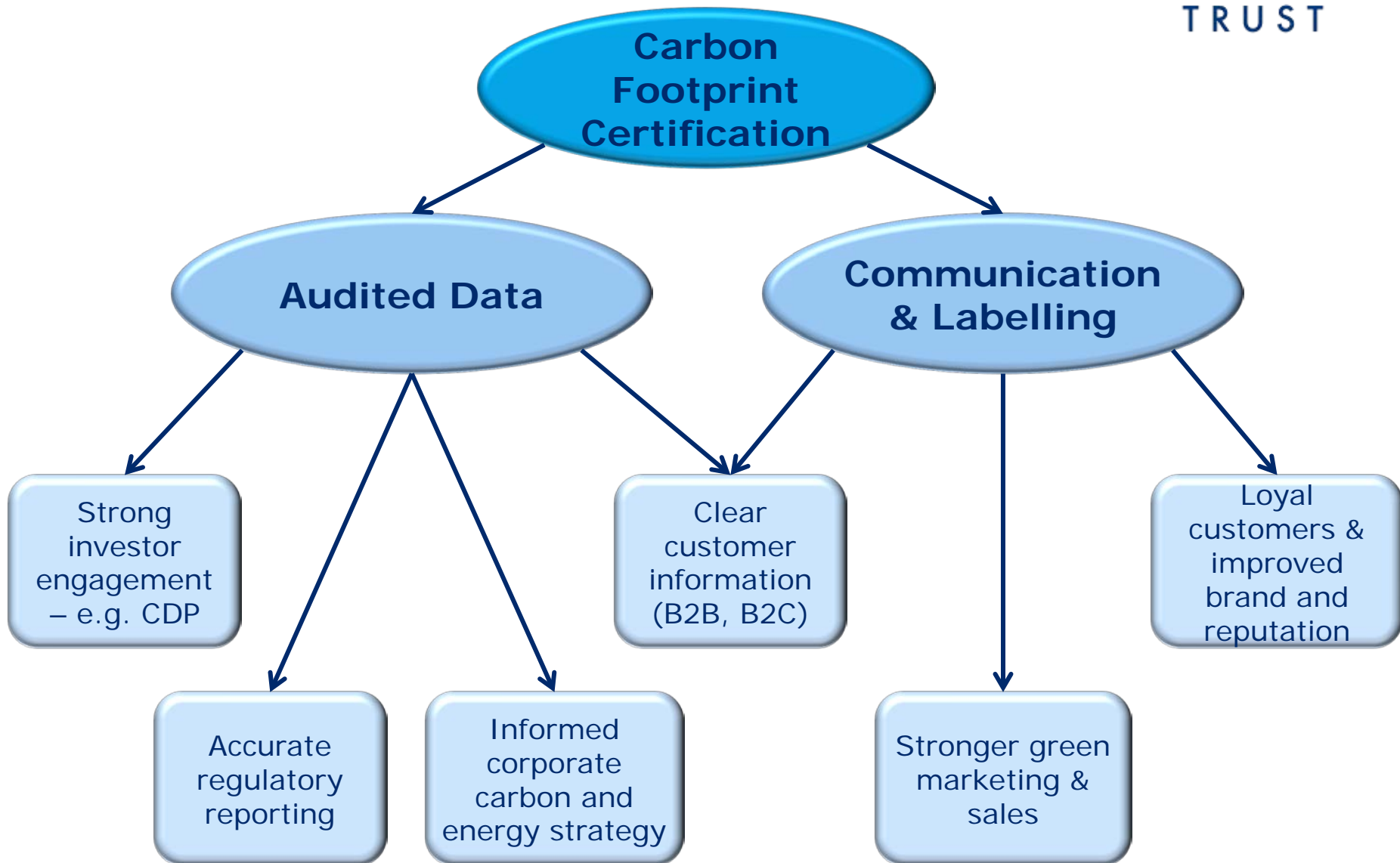


# Agenda



- Emissions reduction: UK context
- Organisational footprint certification
- Addressing supply chain emissions

# Certification services: building trust and engaging customers



# Our services



## Training

Footprint Verified by



## Verification



## Gap Analysis



## Certification

# The Carbon Trust Standard: Recognition for real carbon reduction



- Robust certification based on strict criteria and detailed assessor audit
- Prepare your organisation for the low carbon economy
- Communicate your carbon credentials with integrity

"The experience of striving for carbon accreditation in the UK was hugely beneficial – from a financial, ethical, operational and reputational point of view and demonstrated the value of applying for the Carbon Trust Standard"

*- Richard Pamerter, Head of Sustainability, GlaxoSmithKline*

# Standard Bearers lead the way



500+ certified organisations:

- Over 43 Mt CO<sub>2</sub>e certified footprints
  - Equivalent to nearly 18% of UK business and transport emissions
- Over 3.6 Mt CO<sub>2</sub>e certified reductions
  - Equivalent to over £165m cost saving
- 3.7% p.a./ 7.8% overall average reduction



Trinity Mirror plc



J Sainsbury plc



MORRISONS



MARKS & SPENCER

Edinburgh Napier UNIVERSITY



# How is the Standard being used?



**HOT DRINKS**

- Hot Chocolate (Medium) £2.00
- Hot Chocolate (Large) £2.10
- Hot Chocolate (Small) £1.90
- Hot Chocolate (Tall) £2.20
- Hot Chocolate (Short) £1.80
- Hot Chocolate (Double) £2.30
- Hot Chocolate (Triple) £2.40
- Hot Chocolate (Quadruple) £2.50
- Hot Chocolate (Pentuple) £2.60
- Hot Chocolate (Hexuple) £2.70
- Hot Chocolate (Septuple) £2.80
- Hot Chocolate (Octuple) £2.90
- Hot Chocolate (Nonuple) £3.00
- Hot Chocolate (Decuple) £3.10
- Hot Chocolate (Undecuple) £3.20
- Hot Chocolate (Dodecuple) £3.30
- Hot Chocolate (Tridecuple) £3.40
- Hot Chocolate (Tetradecuple) £3.50
- Hot Chocolate (Pentadecuple) £3.60
- Hot Chocolate (Hexadecuple) £3.70
- Hot Chocolate (Heptadecuple) £3.80
- Hot Chocolate (Octadecuple) £3.90
- Hot Chocolate (Novecentuple) £4.00
- Hot Chocolate (Centuple) £4.10
- Hot Chocolate (Centuple and a Half) £4.20
- Hot Chocolate (Centuple and a Quarter) £4.30
- Hot Chocolate (Centuple and a Third) £4.40
- Hot Chocolate (Centuple and a Fifth) £4.50
- Hot Chocolate (Centuple and a Sixth) £4.60
- Hot Chocolate (Centuple and a Seventh) £4.70
- Hot Chocolate (Centuple and an Eighth) £4.80
- Hot Chocolate (Centuple and a Ninth) £4.90
- Hot Chocolate (Centuple and a Tenth) £5.00

**CHILLED DRINKS**

- Apple Juice £1.50
- Apple Juice £1.60
- Apple Juice £1.70
- Apple Juice £1.80
- Apple Juice £1.90
- Apple Juice £2.00
- Apple Juice £2.10
- Apple Juice £2.20
- Apple Juice £2.30
- Apple Juice £2.40
- Apple Juice £2.50
- Apple Juice £2.60
- Apple Juice £2.70
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- Apple Juice £4.70
- Apple Juice £4.80
- Apple Juice £4.90
- Apple Juice £5.00

**LITTLE CHEF**

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Advanced technology provides cost effective processing

Some of the state of the art technology at the heart of our new £20m recycling plant in Newport.

Online real time asset tracking keeps you fully informed of the disposition progress of each of your ICT assets.

Sims Recycling Solutions employs industry leading data security technologies to protect your data. We also provide comprehensive online real time asset tracking services to help your IT departments keep track of computer equipment disposition.

Our advanced industrial scale mechanical processing techniques for electrical and electronic waste achieve high yields recovering hazardous materials to provide maximum value to our

**What's your water footprint?**

You may be aware of your carbon footprint, but have you ever thought about your water footprint? You may be surprised to find out how much water you actually use each day.

tereducation.co.uk/wfootprint

tips and by using less hot water at home, you can help to combat climate change.

energy bill, which also accounts for 8% of the UK's carbon emissions.

Argos

has been awarded the CARBON TRUST STANDARD which certifies that we have genuinely reduced our carbon footprint.

Reducing CO2 Year on Year

HOME RETAIL GROUP

has been awarded the CARBON TRUST STANDARD which certifies that we have genuinely reduced our carbon footprint.

Reducing CO2 Year on Year

Argos

has been awarded the CARBON TRUST STANDARD which certifies that we have genuinely reduced our carbon footprint.

Reducing CO2 Year on Year

**A BIG THANK YOU FOR YOUR SUPPORT SO FAR**

Helping to improve the environment for us all.

DOING THE RIGHT THING

www.birds.org.uk

synergy/health

has been awarded the CARBON TRUST STANDARD which certifies that we have genuinely reduced our carbon footprint.

Reducing CO2 Year on Year

## Next steps



Ready to begin? Go through this simple checklist:

- Emissions sources and data
- Carbon footprint reduction
- Carbon management policies/procedures
- Assessment
- Achievement

# Agenda



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# What is product carbon footprint certification?



- Certify greenhouse gas emissions of products and services for all stages of the value chain
- Provide comparability over your product range
- Identify and understand carbon hotspots in your supply chain
- Enable low-risk communication of the results to customers



# Engage customers with the leading Carbon Labels



## Carbon Reduction Label



- Communicate your commitment to reduction
- Certification of footprint and reduction

## Carbon Label



- Communication your commitment
- Certification of footprint

# International supply chain recognition



- Only certified products can carry the Label
- Over £3 billion worth of products carry the Label
- Over 8 Mt CO<sub>2</sub>e certified footprints

# Supply Chain Analysis

## Case Study: Allied Bakeries



Products: Kingsmill Great Everyday White, Tasty Wholemeal, and 50/50 loaves

Outcome: Detailed supply chain analysis used as basis for cost reductions and efficiency improvements

Highlights: Working with suppliers to reduce road miles of raw inputs  
Shifting to local production to reduce logistics costs and carbon emissions

Raw Materials	Processing	Packaging	Distribution	Store	In Home	Disposal
45%	21%	2%	4%	2%	23%	3%



"It's about awareness; we are informing our customers and our consumers that we are actively measuring our environmental impact and we are serious about reducing it."

- Nick Law, Operations Director, Allied Bakeries

# Premium Products

## Case Study: New Zealand Wine Co



- Products: 750ml bottles of Mobius Sauvignon Blanc wine
- Outcome: Gained full understanding of carbon hotspots in wine life cycle
- Highlights: First wine in the world and the first product of any kind from New Zealand to be awarded the Carbon Reduction Label



*"Considering the growing demand internationally for carbon labelling, we certainly feel that this certification will be important to our export customers, along with consumers in their markets."*

*- Craig Fowles, Sustainability Manager, New Zealand Wine Company*

# Contact details and more information



- [Harry.morrison@carbontrust.co.uk](mailto:Harry.morrison@carbontrust.co.uk)
- Carbon Trust Standard:  
[www.carbontruststandard.com](http://www.carbontruststandard.com)
- Product Carbon Footprinting:  
[www.carbontrustcertification.com](http://www.carbontrustcertification.com)
- Helpline & account management: 0800 019 1443