

BUSINESS PLAN 2011-15

Consumer Strategies for reducing GHG Emissions

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Resource Efficiency

Resource Efficiency

“...reducing the environmental impact of the consumption and production of goods and services over their full life cycle.”

Cropper A. (2009) Decoupling Economic Growth from Environmental Degradation – The Crucial Role of Resource Efficiency, speech notes to the Resource Panel of the United Nations of the Division of Technology, Industry and Economics. Available from:
http://www.unep.fr/scp/rpanel/pdf/opening_angela_cropper.pdf

UK Waste (Per tonne)

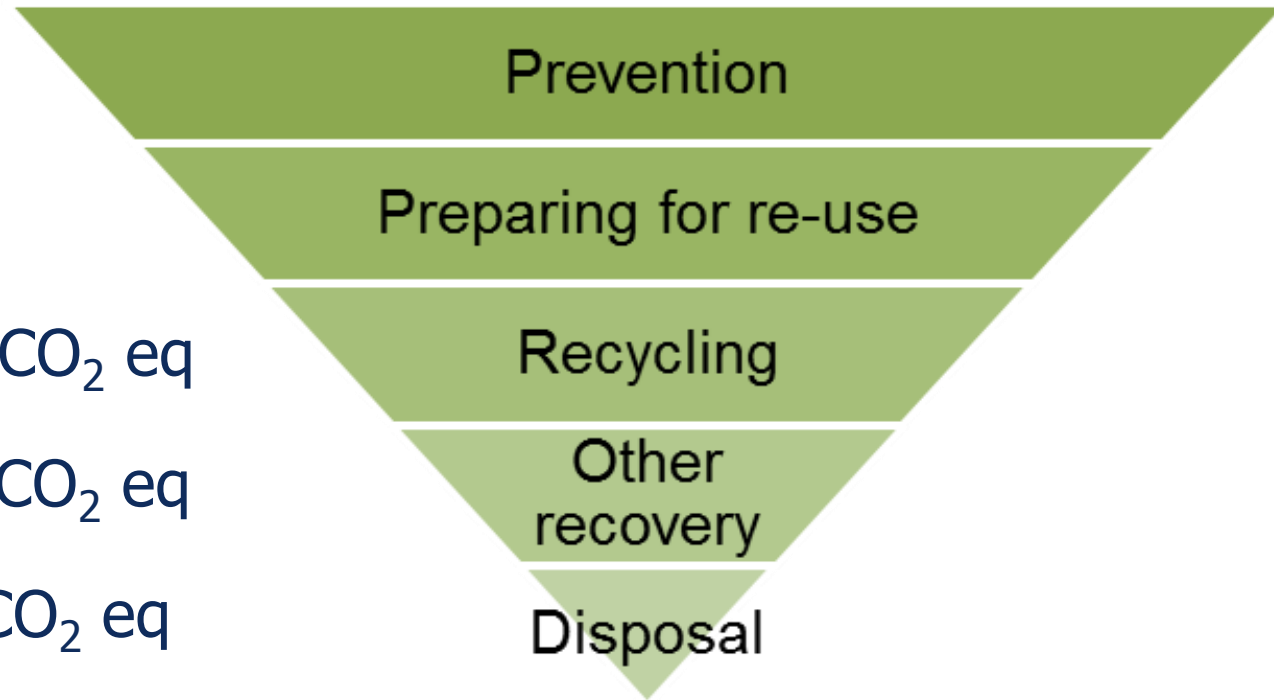
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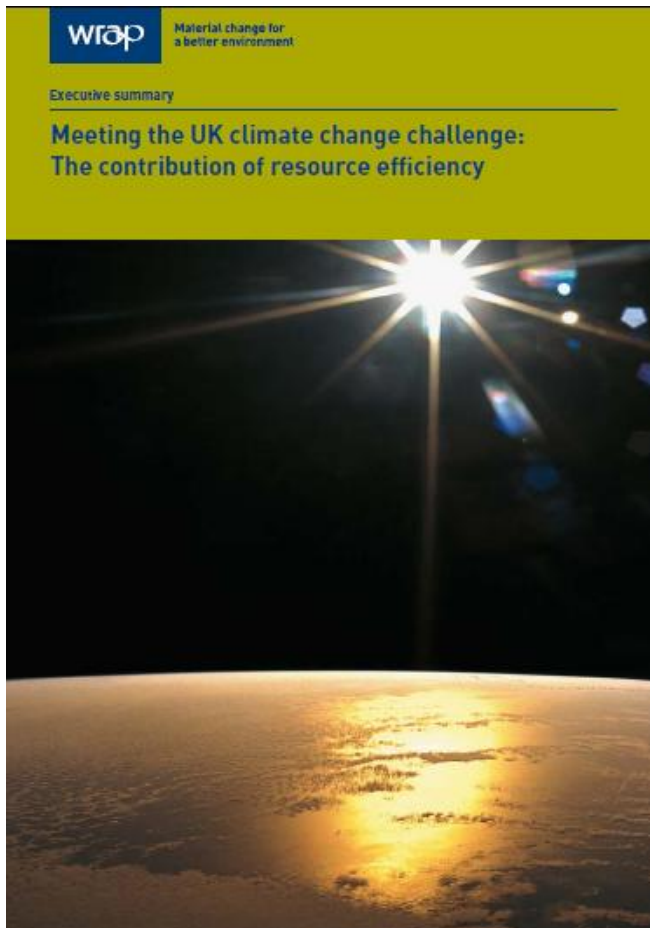
-18 million tonnes CO₂ eq

0.5 million tonnes CO₂ eq

18 million tonnes CO₂ eq



Meeting the UK Climate Challenge



Reference Scenario

Quick Wins

Best In Class

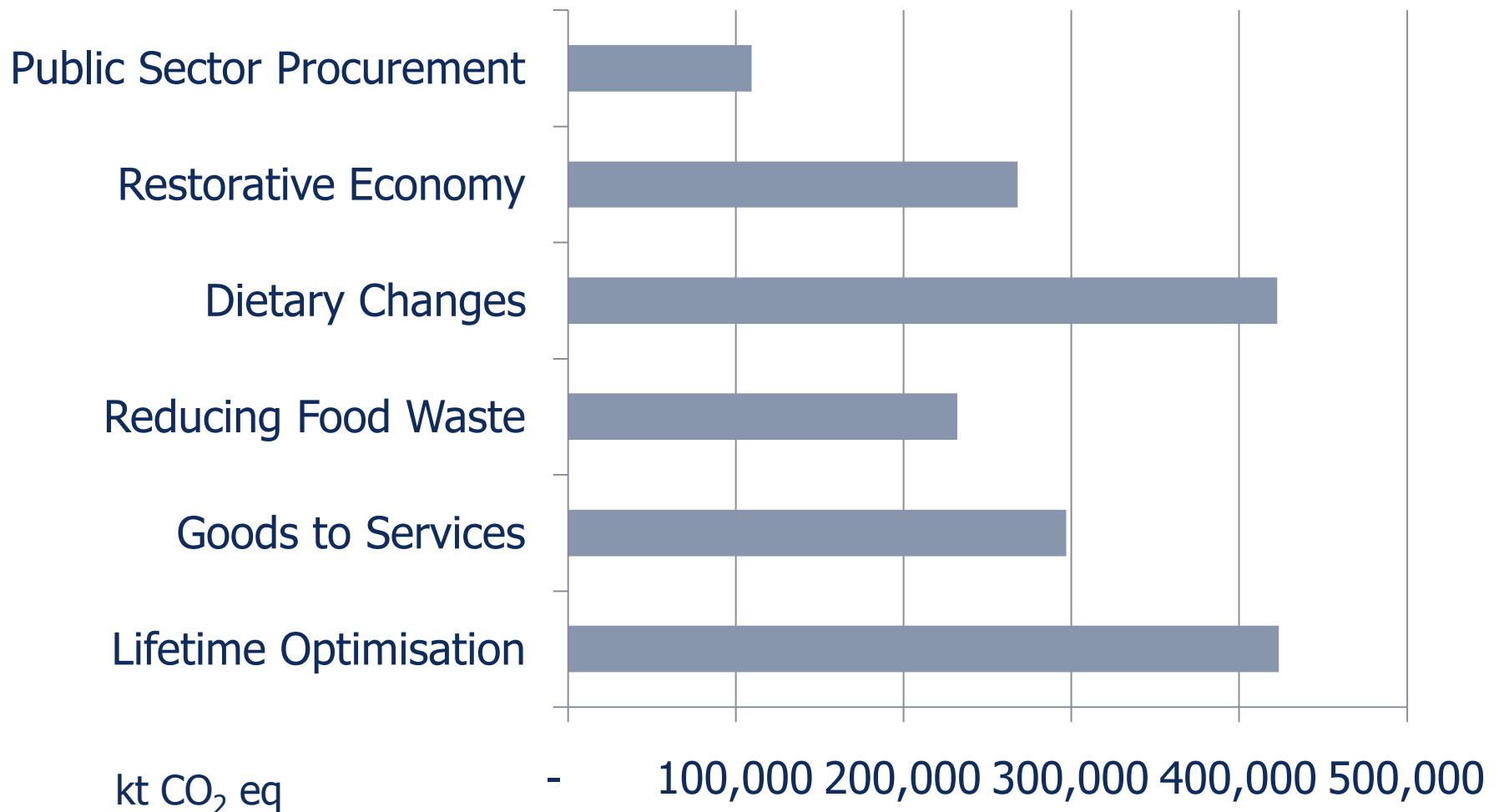
Beyond Best In Class

CO₂ eq savings to 2020

Production Strategies – Savings from Quick Wins



Consumption Strategies – Global Savings Quick Wins



Consumption Strategies – Territorial Savings Quick Wins

Public Sector Procurement

Restorative Economy

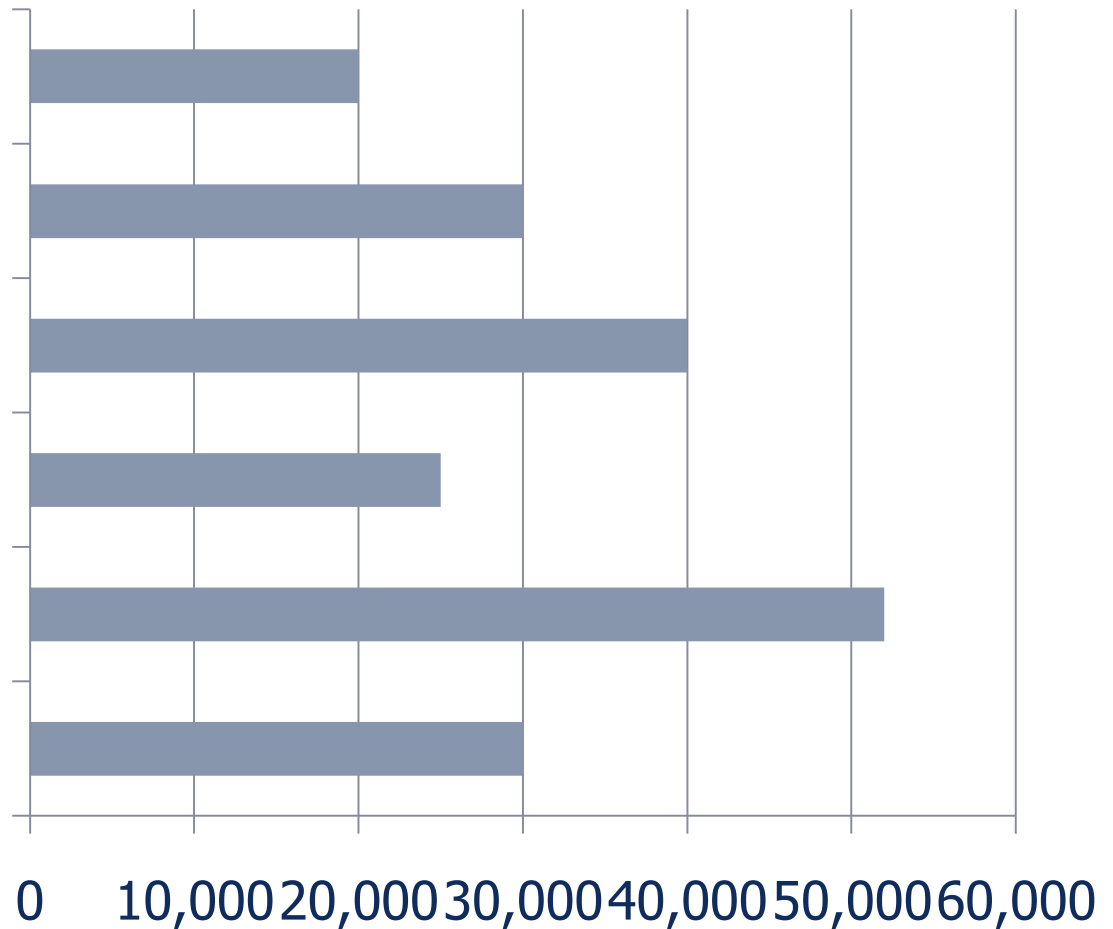
Dietary Changes

Reducing Food Waste

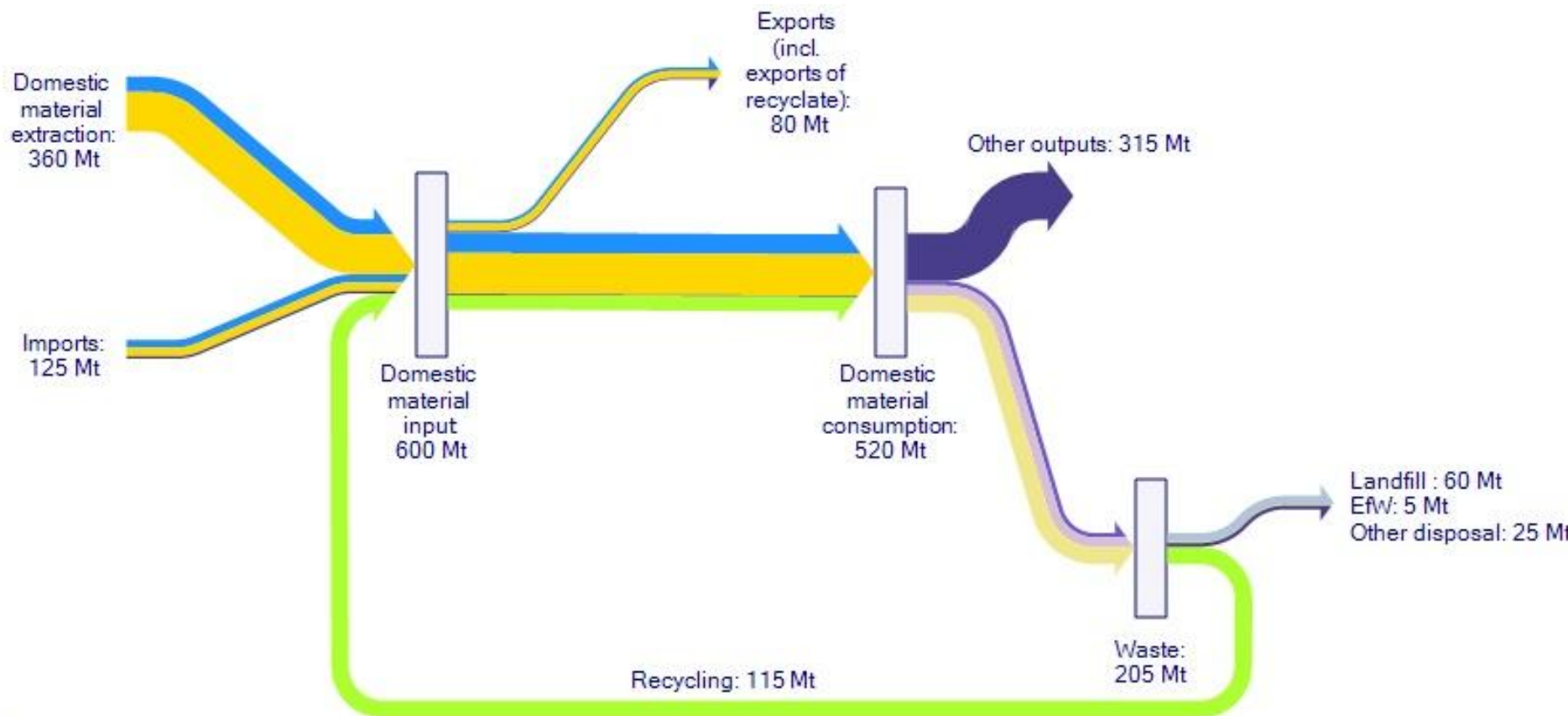
Goods to services

Lifetime optimisation

kt CO₂ eq



UK Material Flows



Notes:

1. Other outputs include food and drink consumption (est. 35Mt), fixed assets and dissipative outputs to land and air.
2. Other disposal includes use on exempt sites (particularly for construction wastes).

Source: WRAP

Selected Material Flows

Quick win strategies only

Wood and Pulp Products 7.7
million t.p.a. (23%)

Iron Ore and Steel 3 million t.p.a.
(29%)

Plastics 2.6 million t.p.a. (20%)

Cobalt 200 tonnes p.a. (14%)*

Rare Earths 200 tonnes p.a.
(13%)*

Lithium 140 tonnes p.a. (21%)*

* = demand strategies only

Securing the future – The role of resource efficiency



This report quantifies how resource efficiency actions, as well as reducing greenhouse gas emissions, can reduce abstracted water, ecological footprint and the use of specific resources.

Benefits of Reuse

Purpose:

- To agree the method for quantifying environmental and economic impacts

Outputs:

- Methodology
- Tool
- Case Studies



WRAP Business Plan 2011-15

- Avoid 7 million tonnes of CO₂eq.
- Divert 3 million tonnes of biodegradable waste from landfill
- Deliver £1.9 billion cost savings to the economy
- Save 3 million tonnes of primary resources
- Prevent 2 million tonnes of waste from occurring in the first place



**Working together for
a world without waste**

Thank You