ACR+ international conference on waste and climate change

Introduction

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INTRODUCTION

WHAT'S ACR+?

WHICH ARE THE KEY-ISSUES ABOUT WASTE AND CLIMATE CHANGE?

WHAT'S ACR+?

Association of Cities and Regions for Recycling and Sustainable Resource Management

A C R +

We are:

An association of nearly 90 members who have the shared aim of promoting the sustainable consumption of resources and management of waste through :

-Waste REDUCTION

-Product REUSE

-Waste RECYCLING

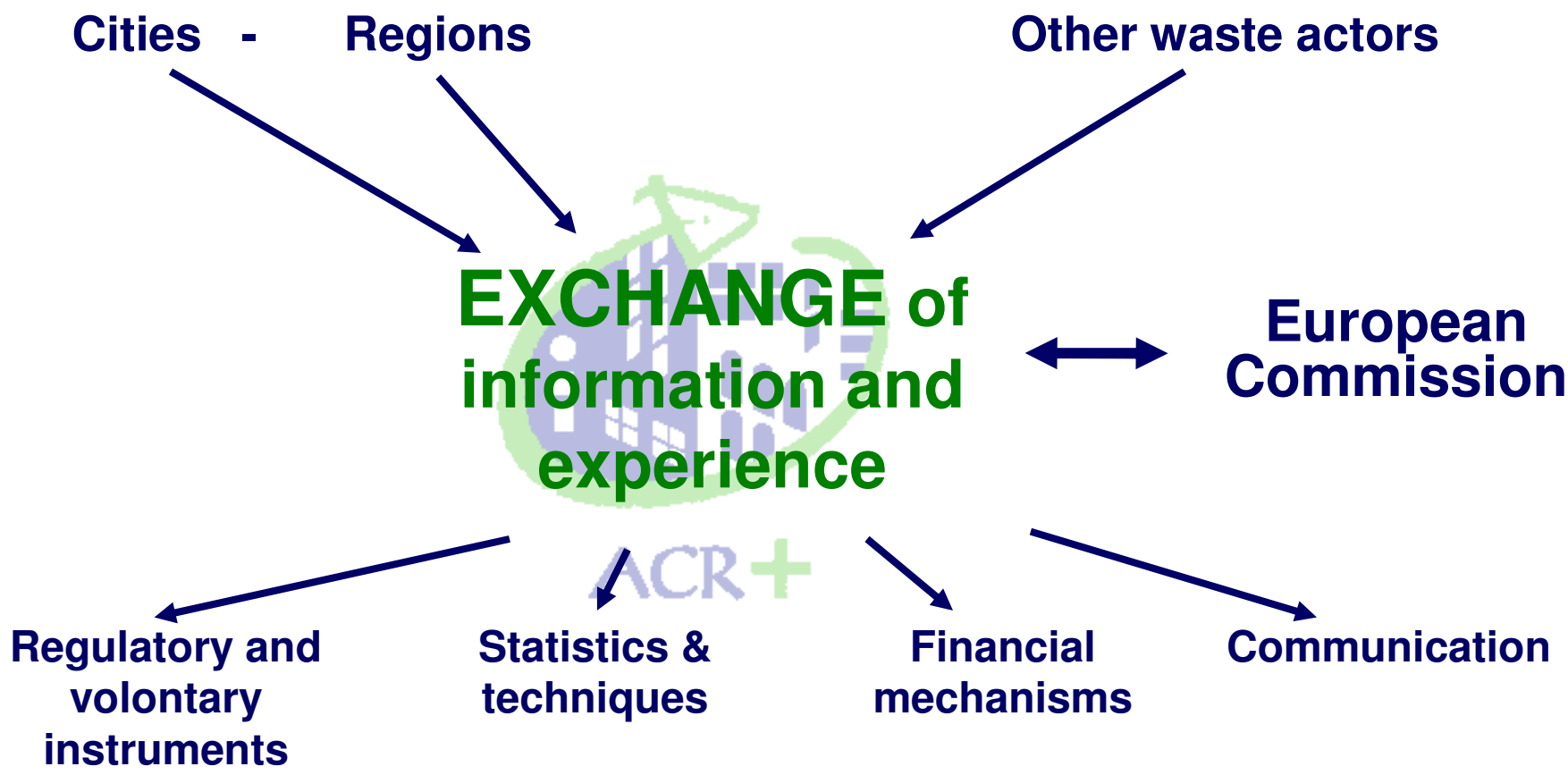
-Waste RECOVERY

-New Cycle RESSOURCES.

Aims:

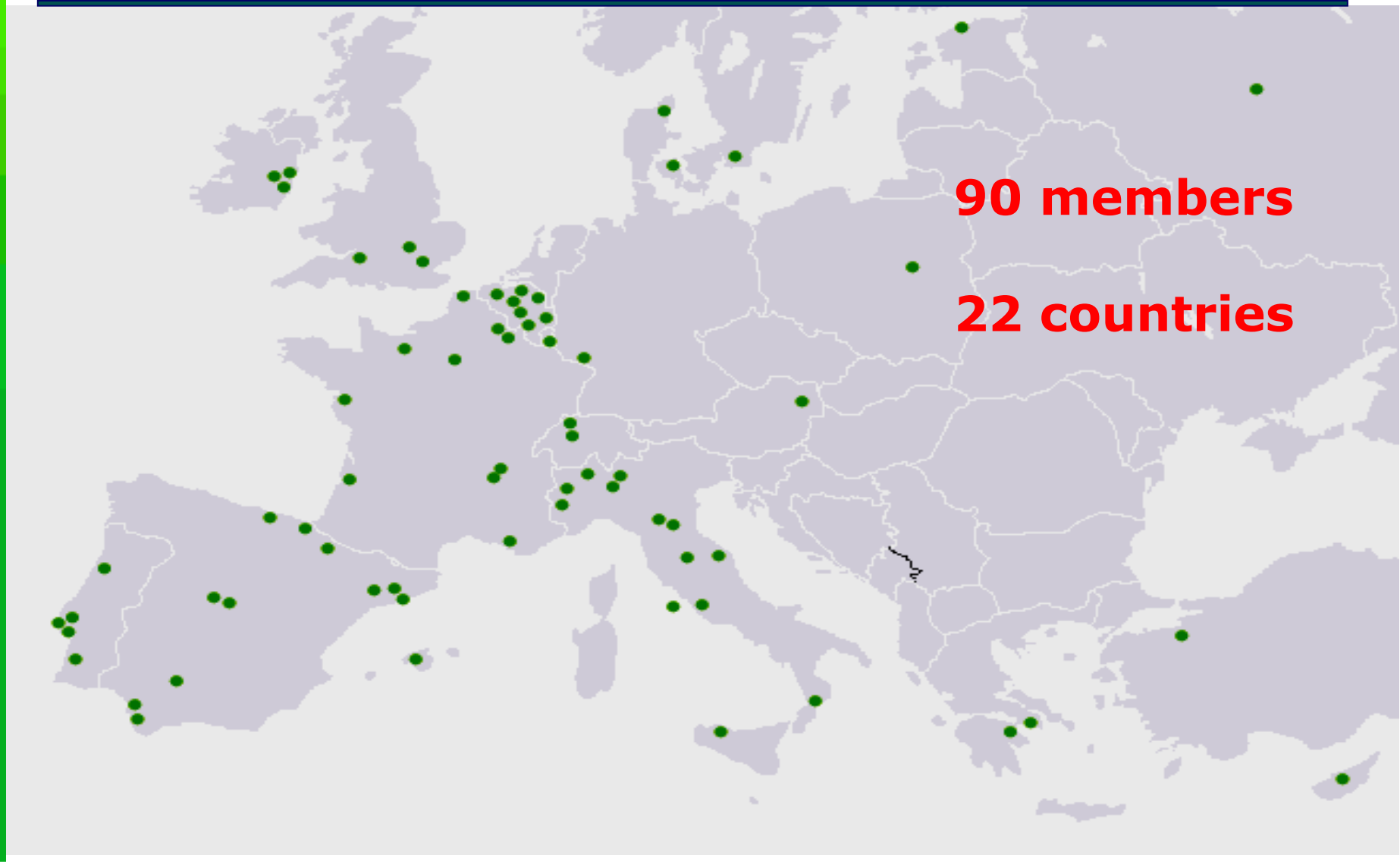
- expertise and skills of public authorities
- practical action in waste management and sustainable consumption
- cooperation and partnership for eco-efficient solutions

ACR+



…about WASTE-PRODUCT-RESSOURCE

ACR+ =




Exchange &
partnerships
Newsletters
Conferences and
Seminars
Working groups
Studies
Projects
Campaign…


THE MANAGEMENT OF
WASTE
ELECTRICAL &
ELECTRONIC
EQUIPMENT
A Guide for Local and Regional Authorities
EMPFEHLENSWERTE VERFAHREN
ZUM RECYCLING VON KUNSTSTOFFABFALL
EIN WEGWEISER VON UND FÜR
LOKALE UND REGIONALE BEHÖRDEN
• 23 • BIM-RAPPORTEN
Voluntary actions supported by local authorities to encourage waste prevention in Europe
PUBLICATIONS
ACR+
Managing Biodegradable Household Waste : What prospects for European Local Authorities
Gestión de residuos domésticos biodegradables: ¿Qué perspectivas tienen las autoridades locales europeas?
LA TERRE, MODE D'EMPLOI
Consommer des produits sans déchets et des produits recyclés

CAMPAIGN

European Campaign for Waste Reduction

- Based around “100kg less waste per inhabitant per year” concept

- “Clusters” of experts on four main waste flows

- European Week on Waste Reduction

WHICH ARE THE KEY-ISSUES ABOUT WASTE AND CLIMATE CHANGE?

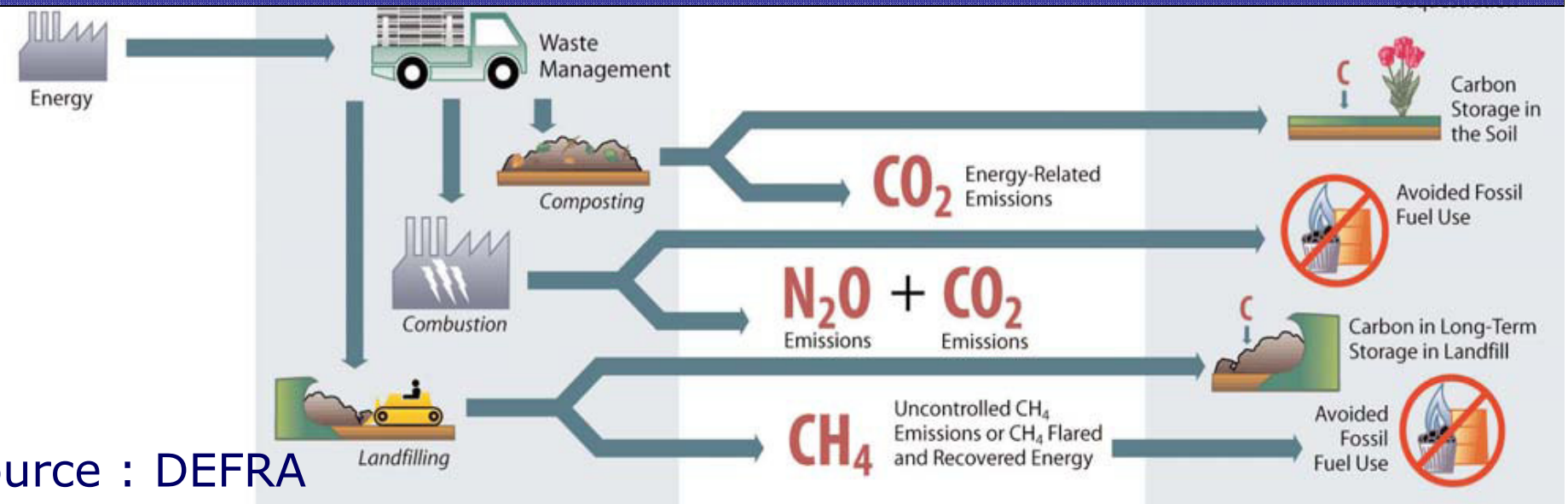
WHICH ARE THE KEY-ISSUES?

- WASTE DISPOSAL AND CLIMATE: A RATHER WELL KNOWN DIMENSION
- RECYCLING: AN INCREASINGLY WELL KNOWN DIMENSION
- WASTE PREVENTION: THE MISSING LINK

Waste and climate change

Waste disposal:

a rather well known dimension



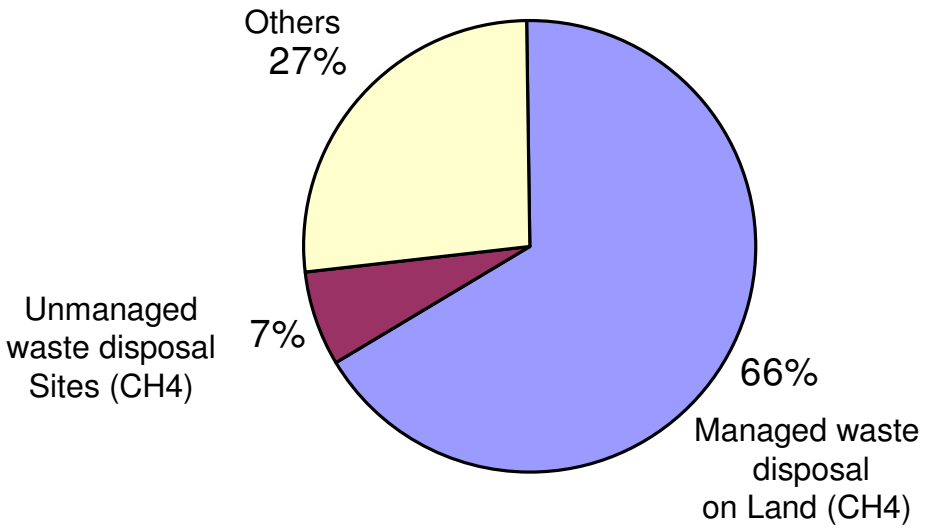
Source : DEFRA

DISPOSAL :
a rather well known dimension

GHG emissions from the waste management sector in EU15-2003

Waste disposal =

2.6% of total GHG emissions in the EU25

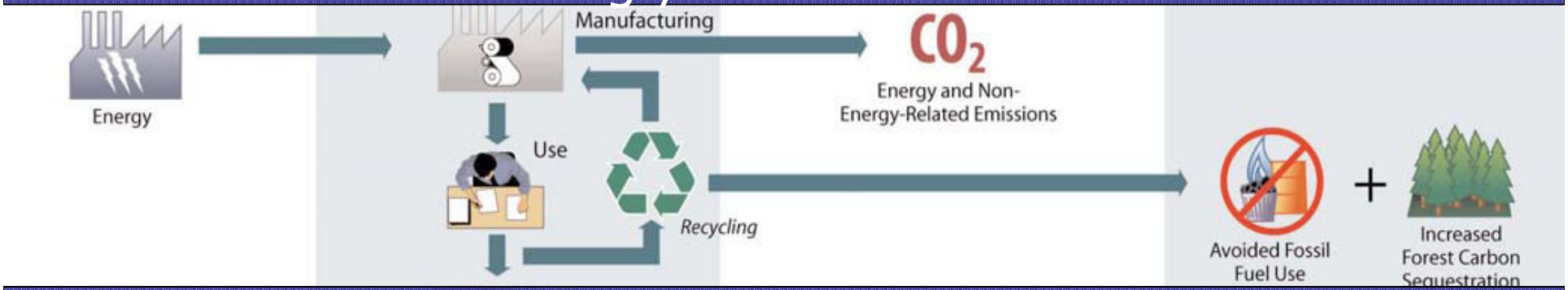


Environmental Outlooks : municipal waste, ETC/RWM 2007

Waste and climate change

Recycling :

an increasingly well known dimension



Source : DEFRA

Recycling :

an increasingly well known dimension

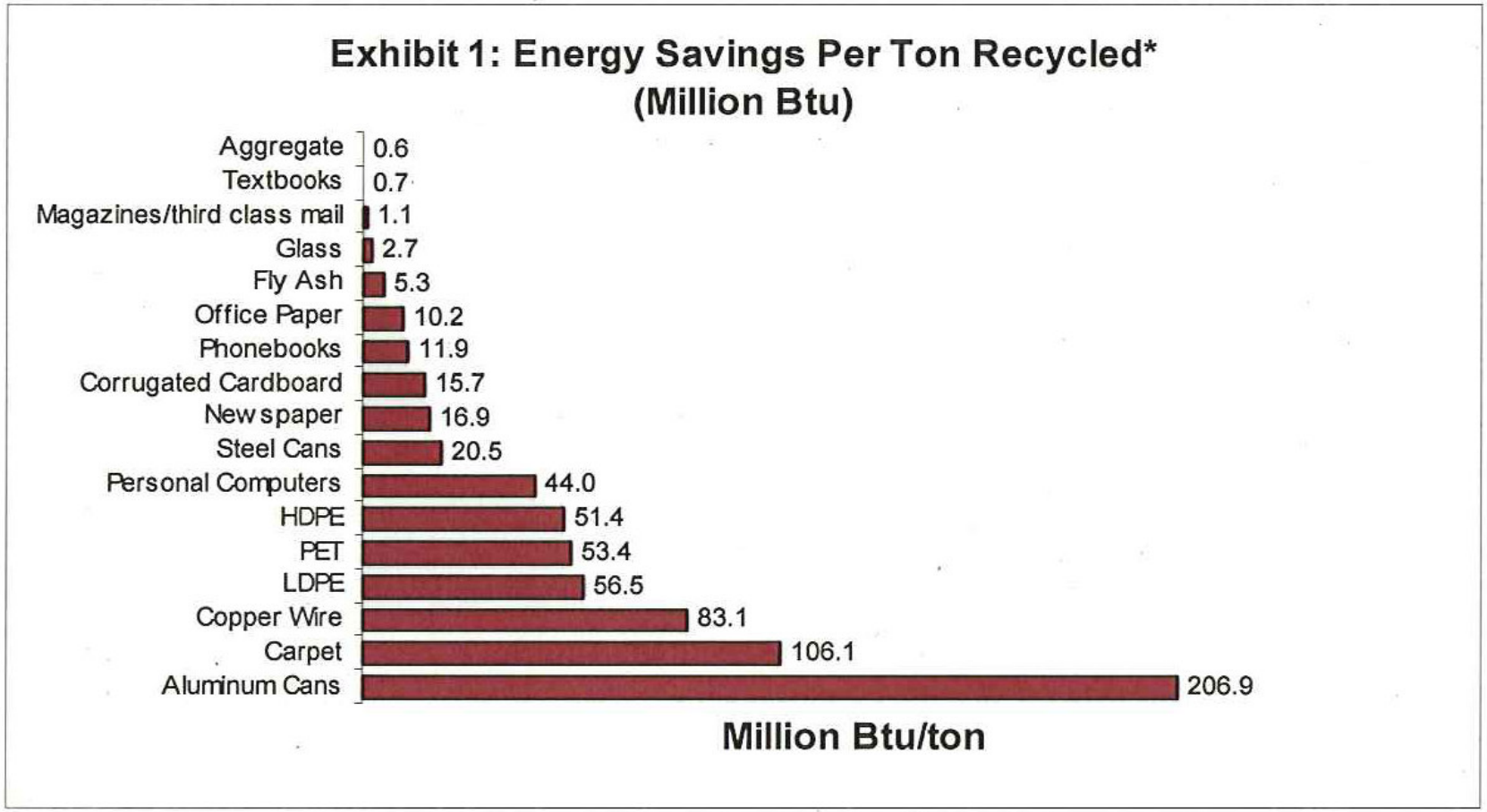
GHG emissions savings in EU

	Amounts recycled (Mt)	GHG emissions savings ($MtCO_2eq$)
Aluminium	3.9	35.5
Ferrous metals	86	129
Glass	8.2	2.5
Paper	45.5	41
Plastics	2.5	3.6
Total	146	212

Source : European Commission

Recycling :

an increasingly well known dimension



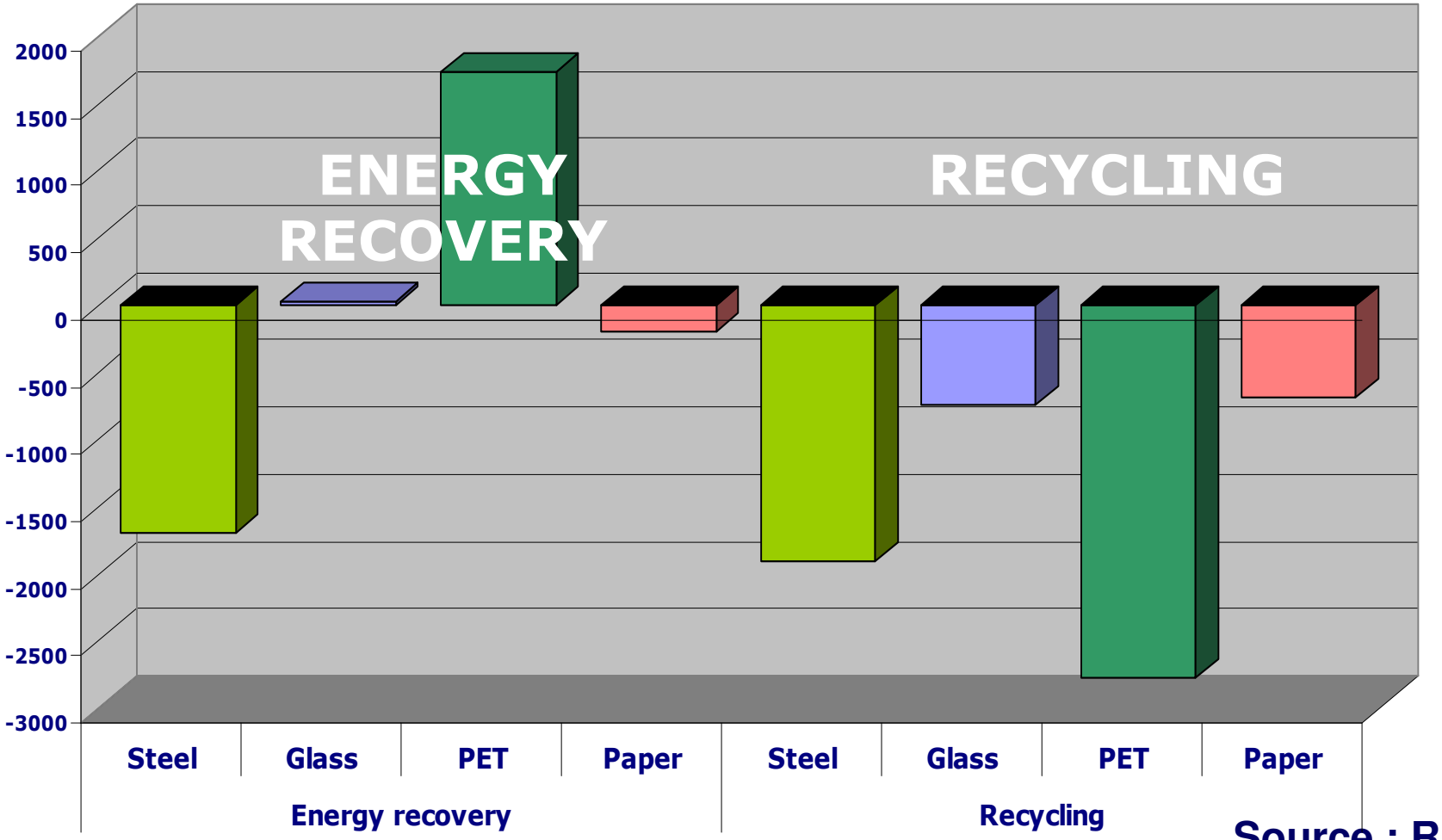
* Assumes recycled materials would otherwise have been landfilled. Includes embedded energy.

Source : U.S. EPA

And a confirmed hierarchy

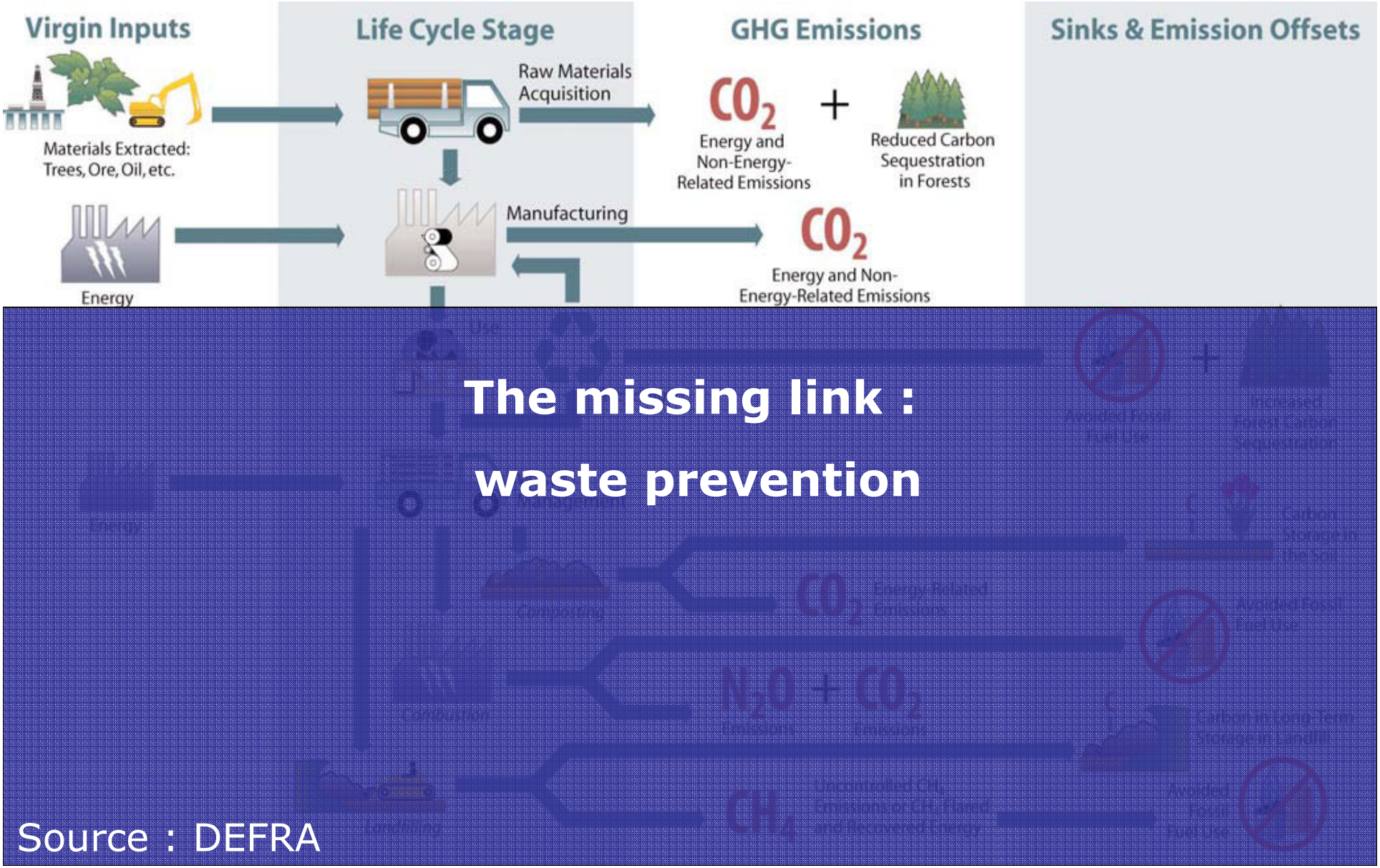
Recycling vs Energy Recovery

(18% ER efficiency, biogenic Carbon excluded)



Source : RDC

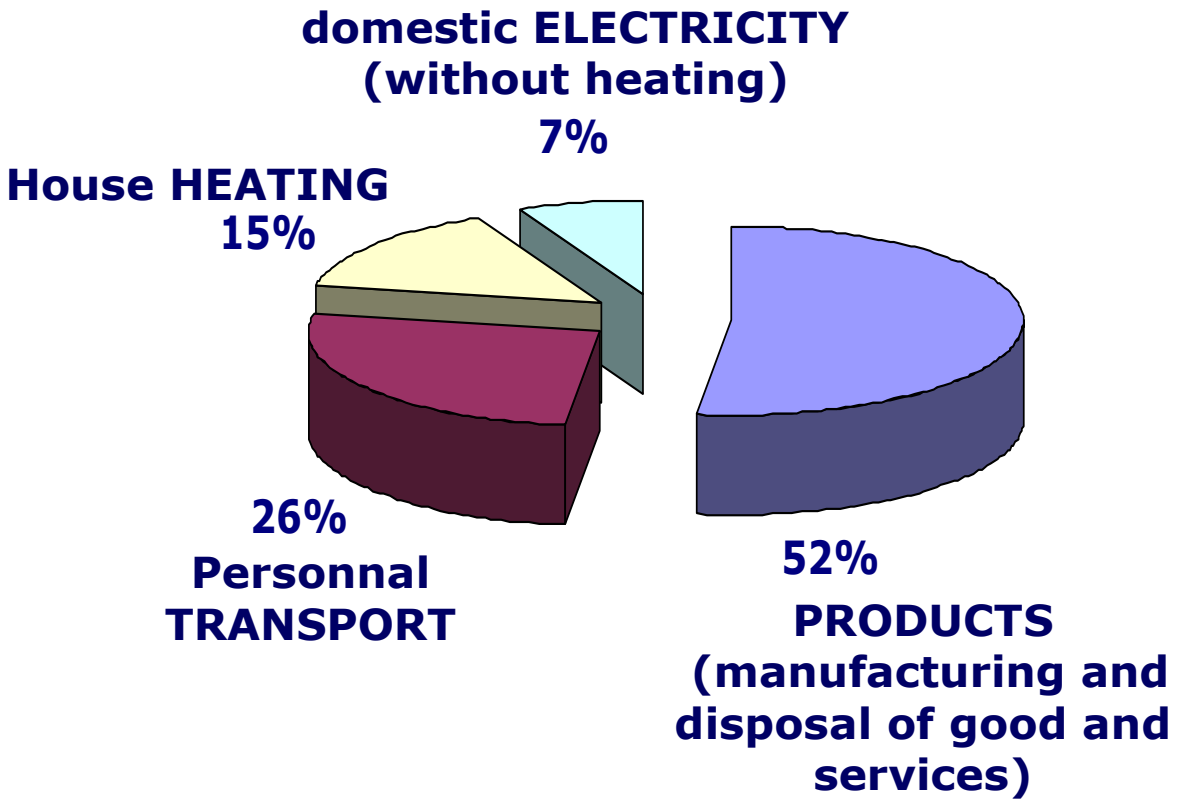
Waste and climate change



Source : DEFRA

Despite its major importance

Distribution of greenhouse effect by field



Source : ADEME

And some pioneering experiences

Walkers' carbon footprint

Carbon Footprint of Standard packet of Walkers Cheese & Onion Crisps = 75 g

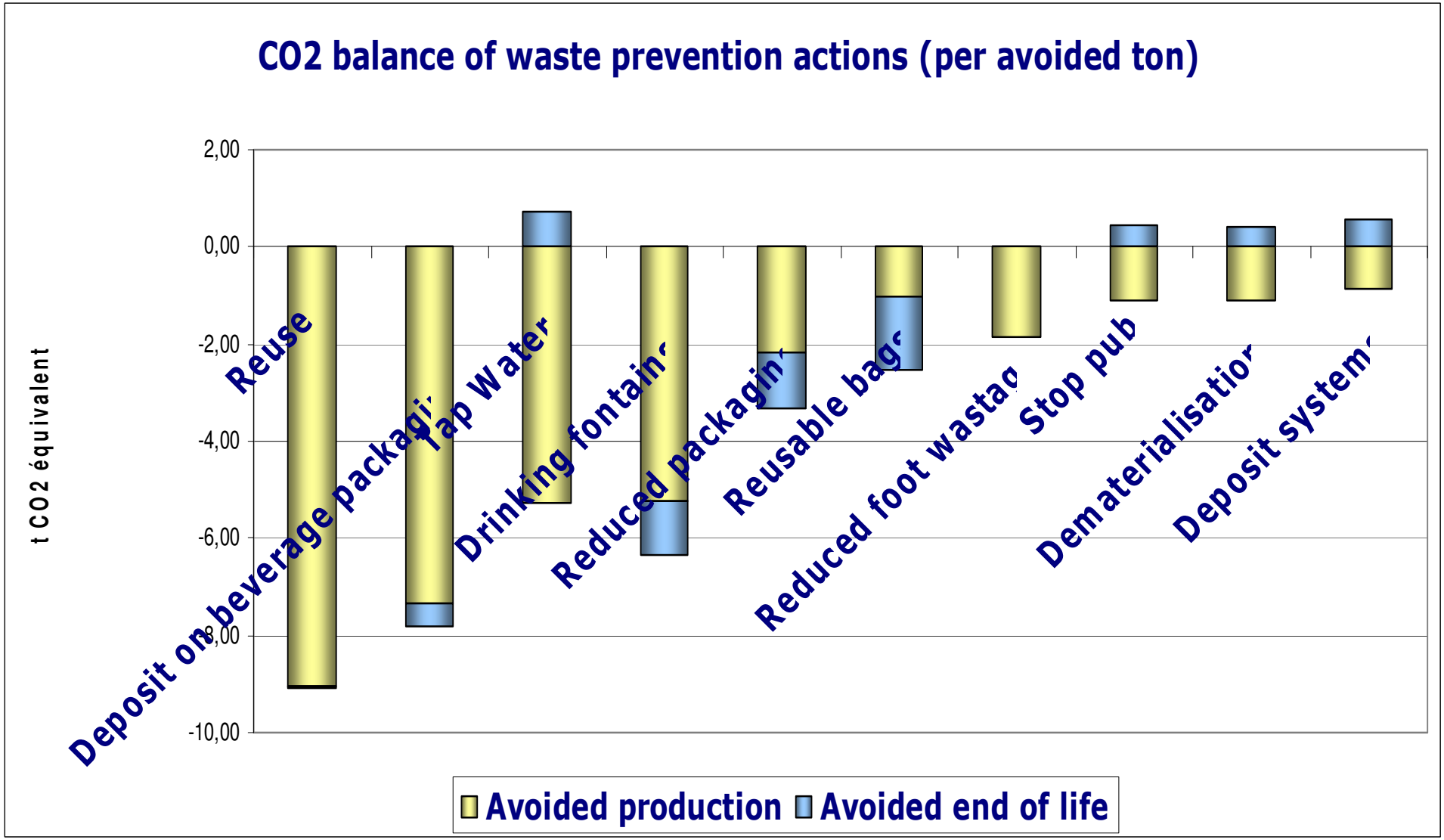
CARBON TRUST

Walkers & the Carbon Trust

Source : walkerscarbonfootprint.co.uk/

GHG emissions savings from waste prevention in Brussels

(RDC Environment)



To discuss

- The links between waste and …energy + sustainability
- The life cycle analysis methodologies
- The CO2 balance of the 5(and more) step-waste hierarchy:

  - reduction at source / remanufacturing and reuse/paper-plastics-others material recycling/composting/anaerobic digestion/ incineration/residual waste management/ waste collection and transport/…