

Notes on data & data management

Working Paper

Version 2 JR
20-05-06

1. Data workbooks for download:

(Available on www.eco-region.org)

C&I waste:

<<EcoNW – C&I waste & MFA tables May06>>: (CURE)
waste data based on EA survey 2003, released 2005

- full 123 sector mass balances,
- 123 sector waste arising, recycling / re-use,
- 123 sector waste composition.
- To follow – calculation of footprint / carbon lost / potential
- To follow – matching with Envirowise sector data.

MSW waste

<<EcoNW – MSW waste footprint May06>> (SEI)

- Full MSW composition & recycling data (WRAP)
- Disaggregated by local authority in the NW (all England available)
- Calculates eco-footprint lost / potential through management / recycling
- Provides detailed account for individual LAs

Business benchmarks

<<EcoNW – business benchmarks May06>>

This is a demonstration (not operational) of a 'REAP-business' benchmarking scheme

- full 123 sector resource productivity benchmarks, based on mass balances,
- energy by 10 fuels from ONS 76 sector environmental accounts: allocated to 123 sectors
- air emissions by 26 substances from ONS 76 sector environmental accounts: allocated to 123 sectors
- C&I waste as above.

Local area footprints

Local area footprints breakdowns are available individually on www.sei.se/reap/local

This file provides a full set for analysis.

These are calculated statistically from:

- ACORN social group distribution by local area:
- ACORN expenditure data
- Household expenditure from COICOP
- Consumption based footprint as from REAP system

Activity accounts

Activity accounts are a prototype supply chain analysis system. This works well as a summary overview of a more detailed structural path analysis approach to follow.

<<EcoNW – activity accounts March06>>

- 24 sector input-output tables
- 24 sector Mass balance summaries
- 24 sector Energy & emissions
- Activity sector supply chain accounts

2. Data formats:

- REAP software system: enables export to xls format.
- Otherwise, xls spreadsheets: some with macros
- Data refers to NW region & UK level unless otherwise specified.
- Regional allocations in England can be generally cross-referenced top/bottom
- Local authority allocations are generally statistically derived via Acorn classification
- In Scotland, Wales & NI various data formats are in use.

Summary of meta-data

PRODUCTION	ONS / NACE / SIC – 123 & broad groups	Direct	Indirect / embedded	Imports	Regional allocation	Local authority allocation	Social group allocation	Main sources
	MFA		•	•	•			
	Energy & emissions (ONS EA)		•	•	•			
	CO2		•		•			
	Other GHG (ONS EA)	?						
	Other air emissions	?						
	Eco footprint 6 categories		•	•	•	•	•	•

CONSUMPTION	COICOP classification based on FES, Prodcom	Direct	Indirect / embedded	Exports	Regional allocation	Local authority allocation	Social group allocation
	Resource productivity indices: each of the above / GVA / employment		•	•	•		
	MFA		•	•	•		
	ONS Energy & emissions		•	•	•		
	CO2		•	•	•		
	Other GHG (ONS EA)	?					
	Other air emissions	?					
	Eco footprint 6 categories		•	•	•	•	•
	Resource productivity indices: each of the above / GVA / employment		•	•	•		
WASTE	Env Agency categories:	Direct	Indirect / embedded	Imports / exports	Regional allocation	Local authority allocation	Social group allocation
	C&I waste arisings (EA 2003)				•		
	C&I waste comp (EA 2003)				•		
In progress	C&I footprint component				•		
	MSW arisings (SWMA)				•	•	
	MSW composition (SWMA)				•	•	
	MSW footprint component				•	•	
In progress	Household product stock-flow-waste						
In progress	Resource productivity indices: each of the above / GVA & employment		•	•	•		
ACTIVITY SECTORS (in progress)							
	Basic supply chain breakdowns of economy, material & energy.						
Food							
	NFS breakdown with import / coefficients model						
Housing							
	Basic Stock - condition - demand - efficiency model						
Transport							
	Basic mode-fuel - occupancy-efficiency model						
Energy							
	Basic demand / supply / emissions model						