



Statistics Sweden

Statistiska centralbyrån

Training material EPEA

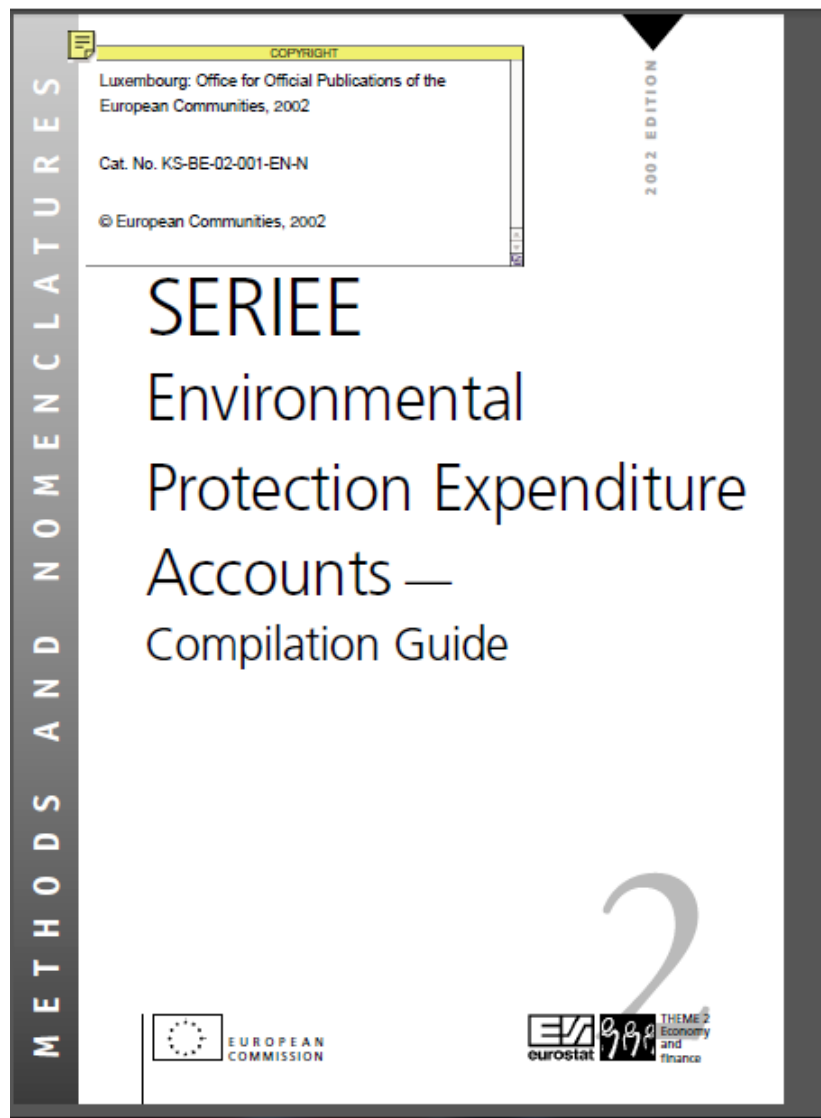
19th London group meeting November 2013

Nancy Steinbach,

Environmental accounts and natural resource unit, SCB



Existing documents





Statistiska centralbyrån Statistics Sweden

METHODS AND NOMENCLATURES

ISSN 1725-0218

2005 EDITION

Environmental expenditure statistics

Industry data collection handbook



ISSN 1977-0375

eurostat
Methodologies &
Working papers

Environmental expenditure statistics

General Government and Specialised Producers data collection handbook

2007 edition



European training courses

- So called ESTP courses have been held for Europe on EPEA through Eurostat
- Most recent in 2012
- New course on EPEA planned march 2014
- Statistics Austria course trainer
- The training material available on CircaB (see technical note for link)
- Regional training workshops (Balkan, Mediterranean etc).
- Bilateral training courses



Four approaches of tables

- EPEA á la SEEA CF
- EPEA á la 2002
- EPEA á la EU regulation 691/201X
- OECD/Eurostat Joint Questionnaire on Environmental Protection Expenditure and Revenues



SEEA CF tables:

Table 4.3.1 Production of environmental protection specific services (currency units)

	Producers				Total
	Specialist producers		Non-specialist producers	Own account producers	
	Government producers	Other specialist producers			
Output of environmental protection specific services	3 000	6 500	2 400	1 600	13 500
Intermediate consumption	2 000	3 000	600	400	6 000
Environmental protection specific services	1 800	1 500	500	300	4 100
Other goods and services	200	1 500	100	100	1 900
Gross Value Added	1 000	3 500	1 800	1 200	7 500
Compensation of employees	600	2 000	1 200	800	4 600
Taxes less subsidies on production					
Consumption of fixed capital	400	1 000	600	400	2 400
Net Operating Surplus		500			500
Supplementary items					
Labour input (hours worked)	4 000	10 000	4 500	4 000	22 500
Gross fixed capital formation	1 100	1 000	2 000	500	4 600
Acquisition less disposal of non-produced, non-financial assets		200			



Continued...

Table 4.3.2 Supply and use of environmental protection specific services (currency units)

Supply table

	Output at basic prices	Taxes less subsidies on products	Trade and transport margins	Output at purchasers' prices	Imports	Total supply
Environmental protection specific services	13 500	270		13 770		13 770

Use table

	Intermediate consumption		Final consumption		Gross fixed capital formation	Exports	Total use
	Specialist producers	Other producers	Households	Government			
Environmental protection specific services	1 500	7 400	2 970	1 800	100		13 770

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Continued...

Table 4.3.3 Total national expenditure on environmental protection (currency units)

Type of expenditure by product	Users					Total	
	Industry		Other producers	Households	General government		NPISH*
	Producers of environmental protection specific services						
	Specialist producers	Non-specialist and own-account producers					
Environmental protection specific services							
Intermediate consumption	NI	4 000	3 400			7 400	
Final consumption				2 970	1 800	4 770	
Gross fixed capital formation	NI		100			100	
Connected products							
Intermediate consumption	NI		200			200	
Final consumption							
Gross fixed capital formation	NI						
Adapted goods							
Intermediate consumption	NI						
Final consumption				600		600	
Gross fixed capital formation	NI						
Capital formation for characteristic	2 100	2 500				4 600	
Transfers for environmental protection not included above							
Environmental protection transfers to and from the rest of the world (net)					200	200	
Total national expenditure on environmental protection	2 100	6 500	3 700	3 570	2 000	17 870	

Note: Dark grey cells are null by definition

NI – Not included in the derivation of total national expenditure on environmental protection

* Non-profit institutions serving households



The other three tables...



Key indicators

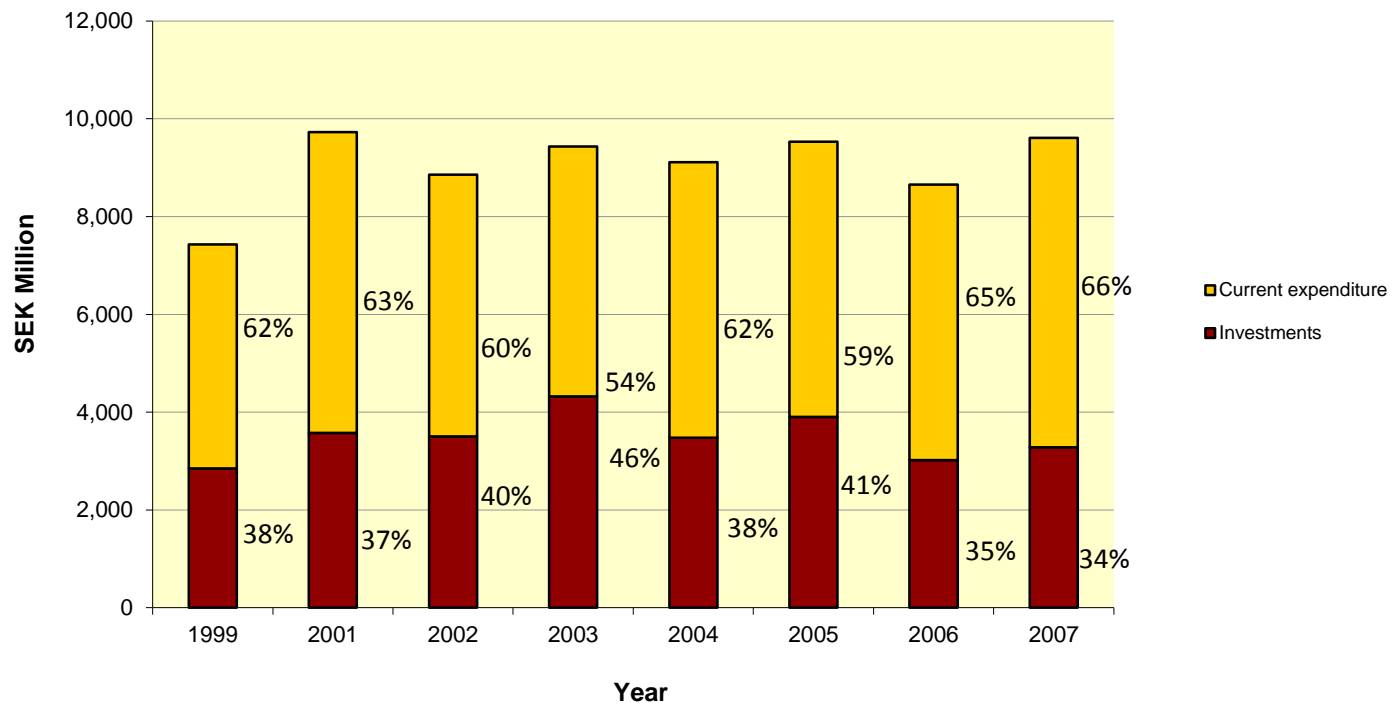
- Depends on what tables to go for

But examples would be:

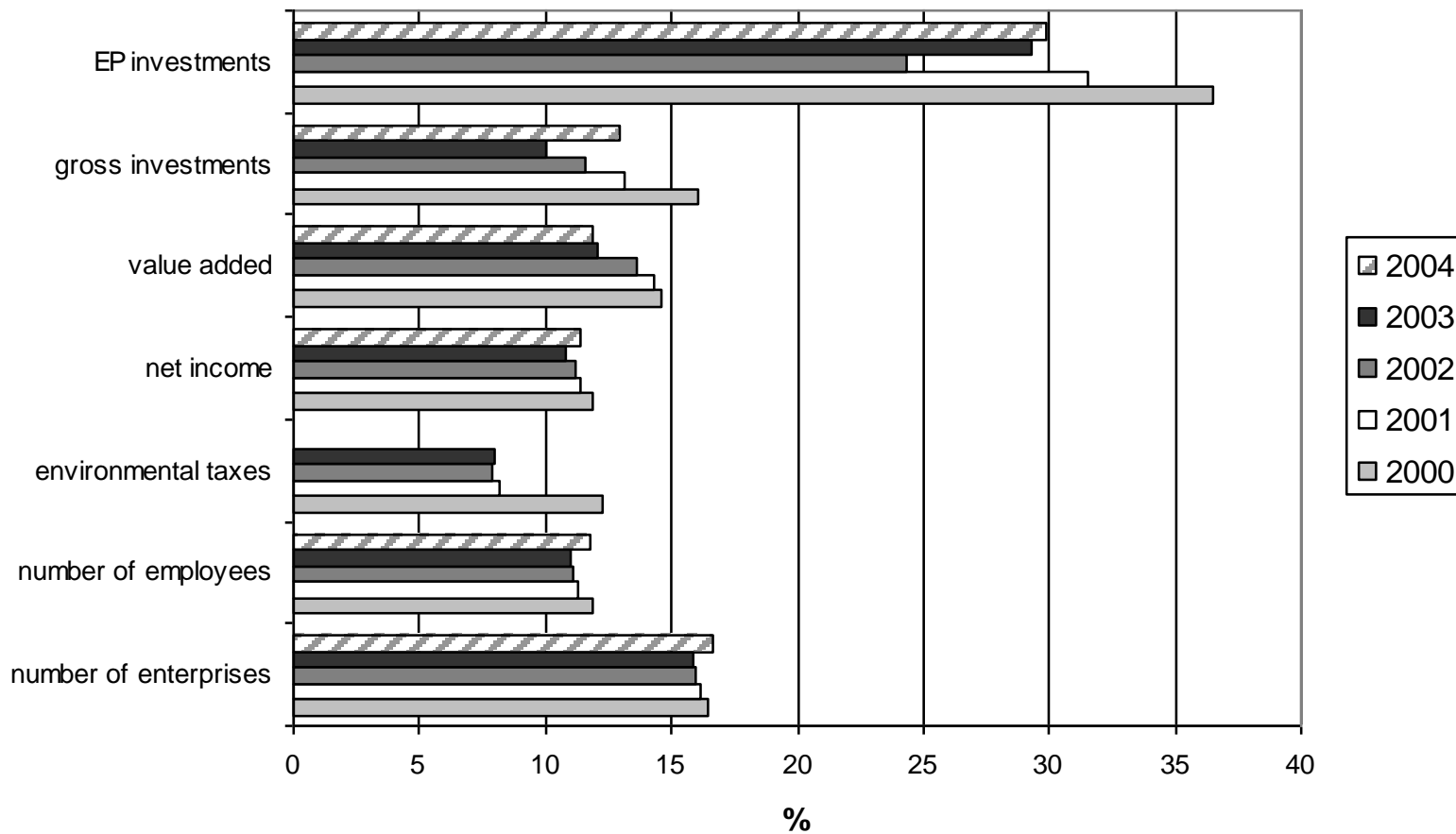
- Net EP expenditure
- Total GFCF
- % GDP
- % GFCF
- % generated waste
- % generated air pollutions
- ..



Sweden: Total EPE by investments and current expenditures, MSEK

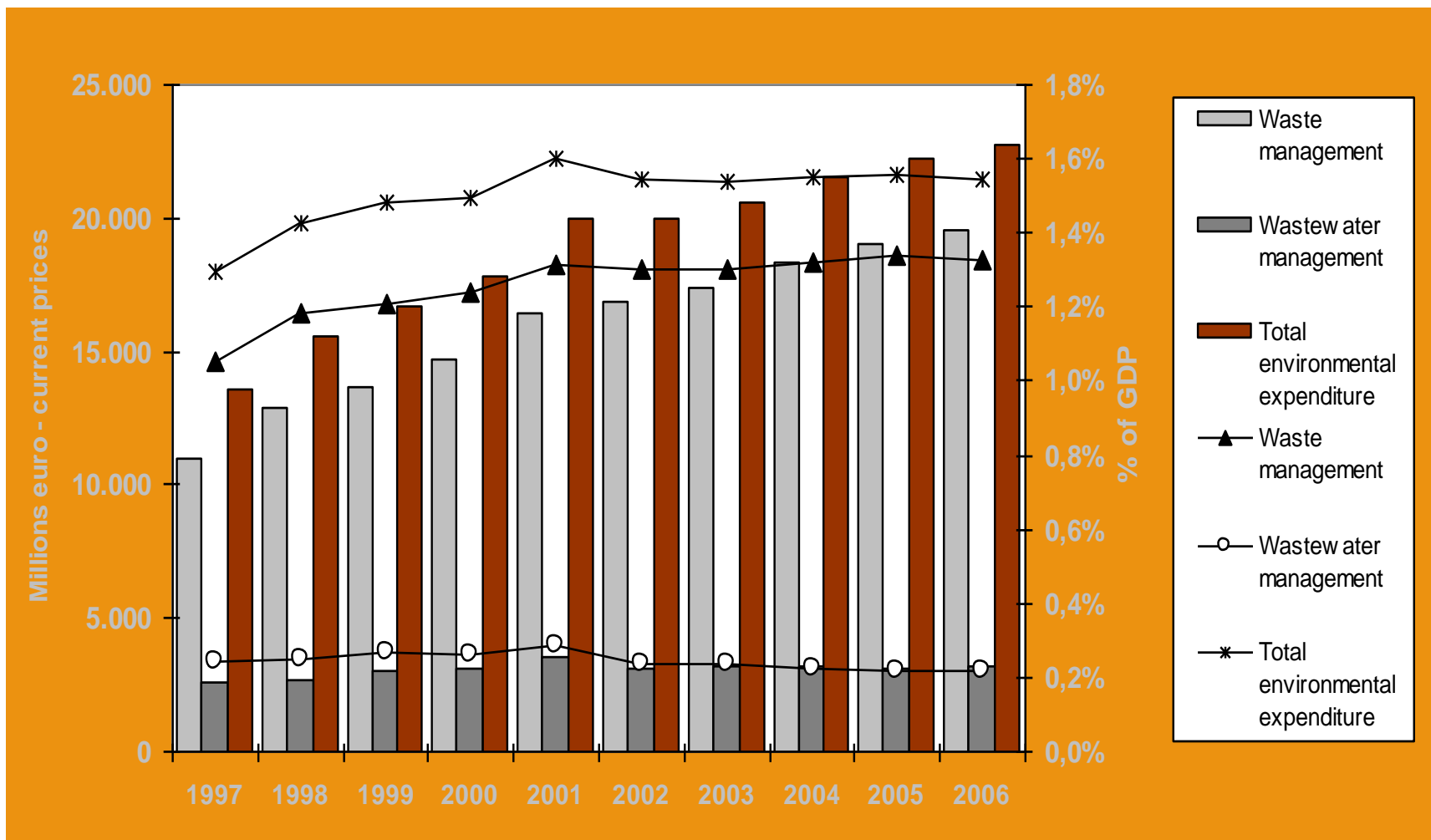


Sweden: Environmental economic profile: pulp and paper industry

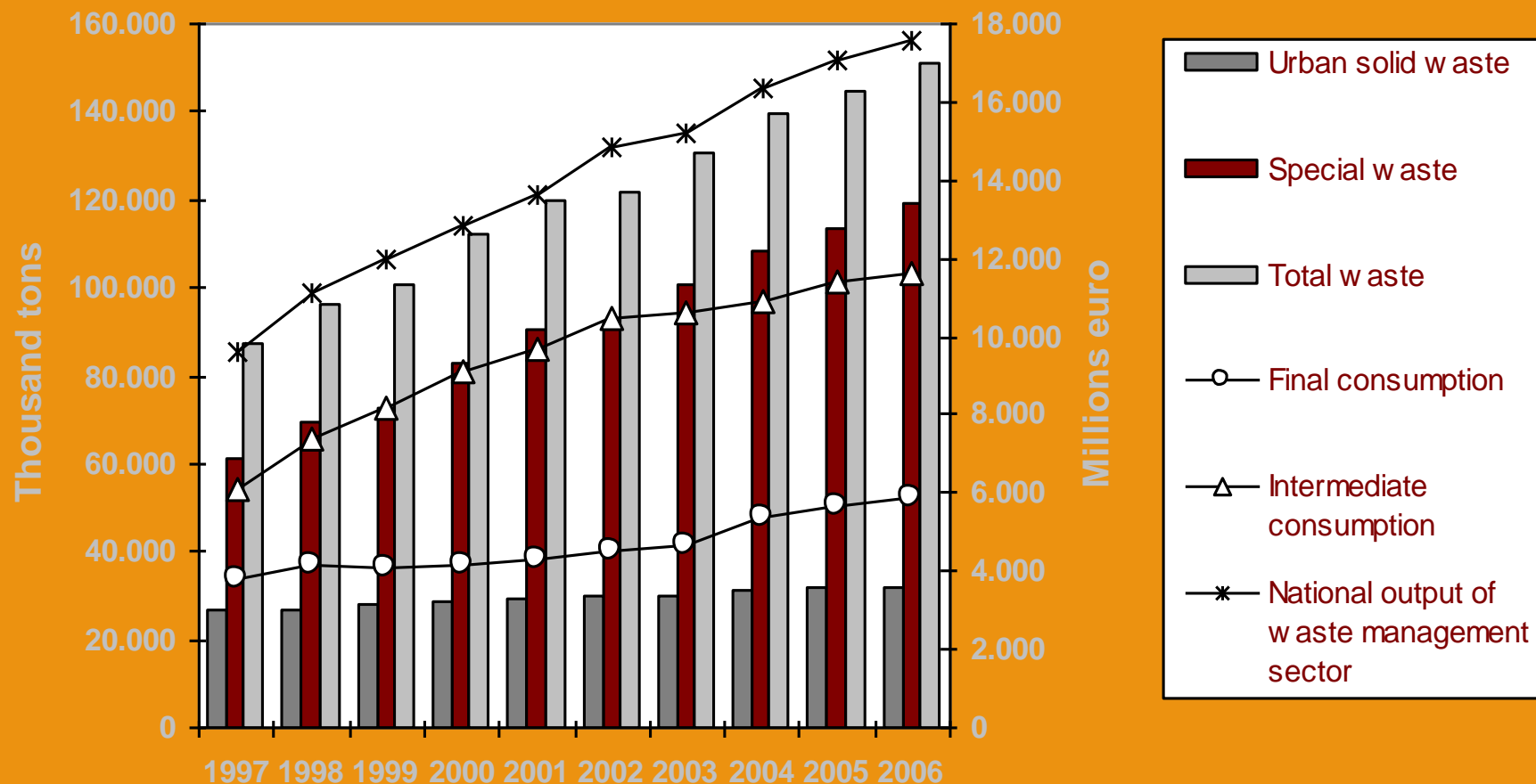


How much does Italy spend for EP?

Statistiska centralbyrån Statistics Sweden



Waste management EPE versus physical quantity of waste - Italy



Some issues of discussions:

- Have you conducted any uncertainty analysis with regards to data gaps of EPEA?
- Have you examples of studies related to adapted products?
- Have you conducted any integrated analysis of EP results to physical accounts?
- Have you thought of how to integrate e.g. energy efficiency to EPEA type framework?

