

Physical Energy Flow Accounts – Training Materials

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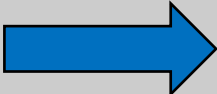
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preliminary



Manual for Physical Energy Flow Accounts (PEFA-Manual)

Draft version: 9 January 2011

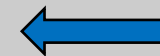
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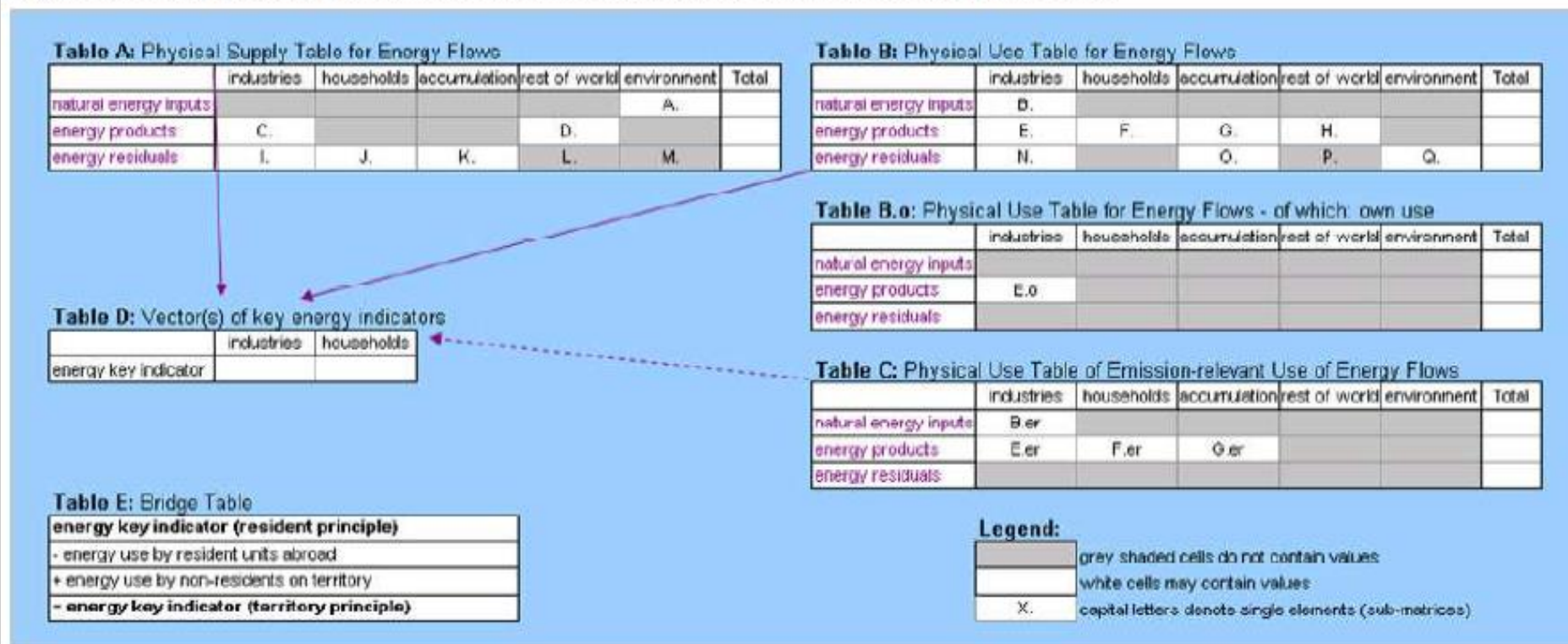


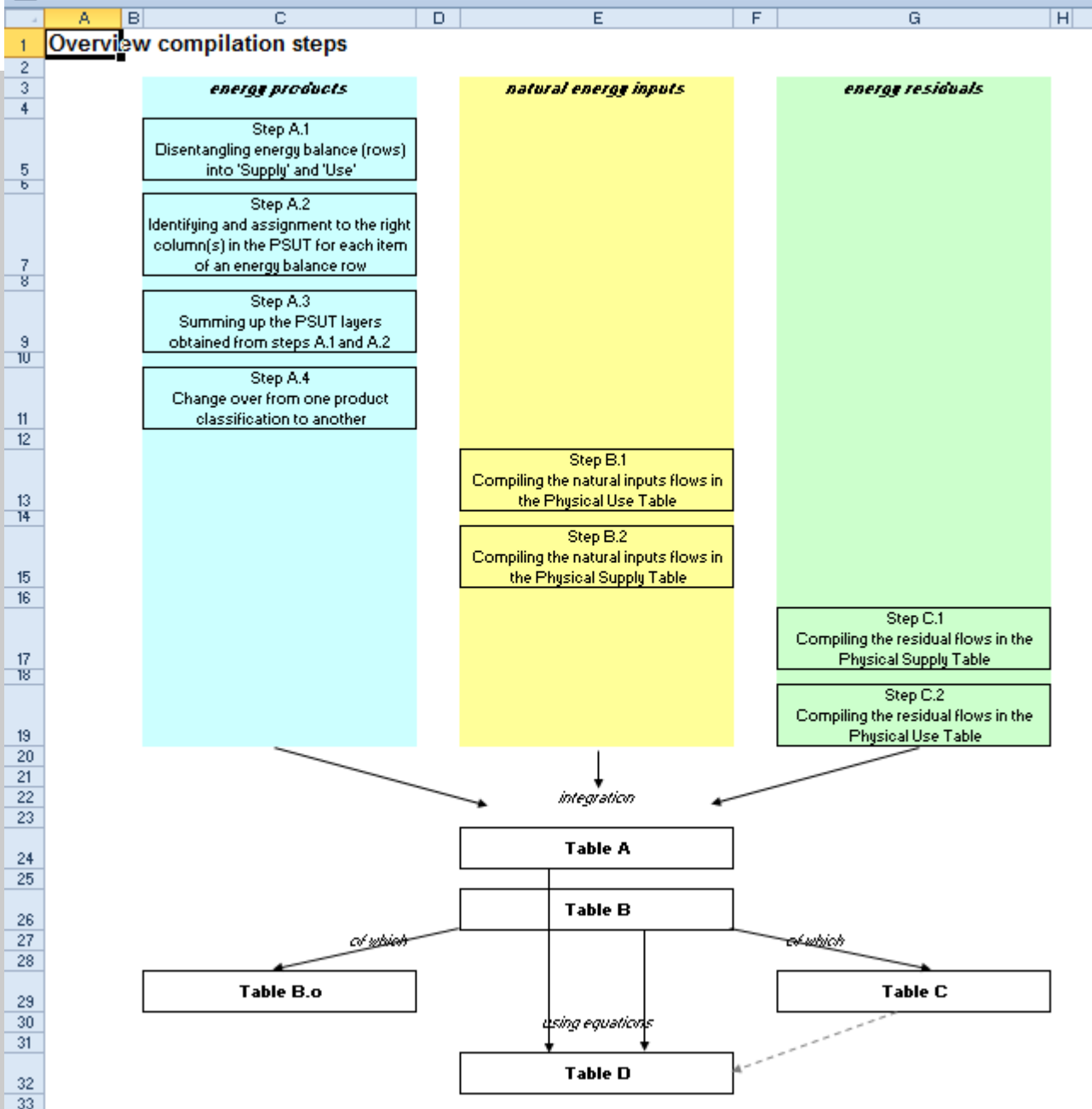
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Eurostat Energy Module: Set of tables

Figure 2: Scheme providing an overview on the set of tables in the PEFA electronic questionnaire





Compilation steps (1)

„selected cases“

Manual: chap. 6

Ppt: „examples“

PEFA_Manual_graphs_annexes_&_tables[1].xls [Geschützte Ansicht]

1. Supply and use of energy (electricity) produced by autoproducers

SUPPLY

| | | INDUSTRIES (NACE) | | | | | | IMP | HH | fr. ENV | TOT |
|-------------|--------------|-------------------|-----|-----|------|------|--|-----|-----|---------|-----|
| | | code | 10 | 24 | 40.1 | oth. | | | | | |
| nat. inputs | hard coal | AA 21 | | | | | | | | 150 | 150 |
| prod. | hard coal | 10.10 | 150 | | | | | | | | 150 |
| | electricity | 40.1 | | 50 | | | | | | | 50 |
| resid | loss transf. | CD | | 90 | | | | | | | 90 |
| | dissip h. | CF | | 5 | | 10 | | 45 | | | 60 |
| TOT | | | 150 | 145 | | 10 | | 45 | 150 | | |

input NACE output (2) selected cases biomass products (1)

PEFA_Manual_graphs_annexes_&_tables[1].xls [Geschützte Ansicht]

USE

| | | INDUSTRIES (NACE) | | | | | | EX | HH | to ENV | TOT |
|-------------|--------------|-------------------|-----|-----|------|------|----|----|-----|--------|-----|
| | | code | 10 | 24 | 40.1 | oth. | | | | | |
| nat. inputs | hard coal | AA 21 | 150 | | | | | | | | 150 |
| prod. | hard coal | 10.10 | | 140 | | 10 | | | | | 150 |
| | electricity | 40.1 | | 5 | | | 45 | | | | 50 |
| resid | loss transf. | CD | | | | | | | 90 | | 90 |
| | dissip h. | CF | | | | | | | 60 | | 60 |
| TOT | | | 150 | 145 | | 10 | | 45 | 150 | | |

input NACE output (2) selected cases biomass products (1)

„selected cases“

- 1. Supply and use of energy (electricity) produced by autoproducers**
- 2a. Biomass: 'natural' biogas and landfill gas**
- 2b. Biofuels**
- 3. Supply and use of wind and solar energy**
- 4. Supply and use of cokery and blast-furnace gas**
- 5. Supply and use of waste**
- 6. Supply and use of energy for non-energy use**
- 7. Supply and use of natural gas**
- 8. Supply and use of nuclear energy**

PEFA_Manual_graphs,_annexes_&_tables[1].xls [Kompatibilitätsmodus]

| | A | B | C | D | E | F |
|----|---|---|---|--|--|---------------------------------|
| 1 | Industries receiving renewable natural energy inputs | | | | | |
| 2 | | | | | | |
| 3 | | input natural energy input | | Industry NACE rev. 1.1 | | output energy product |
| 4 | AB.5541x | Biomass for energy use (resource) | | NACE 01 Agriculture etc. | Other vegetal material and waste (straw and forage | BA.55412.CPA.01.11.60 |
| 5 | AB.5541x | Biomass for energy use (resource) | | NACE 02 Forestry etc. | Wood (fuel wood) | BA.55411.CPA.02.01.14 |
| 6 | AB.5510 | Hydro power (resource) | | NACE 40 Electricity supply etc. | Electricity from hydro power | BA.5510.CPA.40.11.10 |
| 7 | AB.5520 | Wind power (resource) | | | Electricity from wind power | BA.5520.CPA.40.11.10 |
| 8 | AB.5532 | Solar thermal (resource: solar radiation) | | | Electricity from solar thermal | BA.5532.CPA.40.11.10 |
| 9 | AB.5534 | Solar PV (resource: solar radiation) | | | Electricity from solar PV | BA.5534.CPA.40.11.10 |
| 10 | AB.5535 | Tide, Wave and Ocean (resource) | | | Electricity from tide, wave and ocean | BA.5535.CPA.40.11.10 |
| 11 | AB.5550 | Geothermal energy (resource) | | | Electricity from geothermal energy | BA.5550.CPA.40.11.10 |
| 12 | AB.5532 | Solar thermal (resource: solar radiation) | | | Solar thermal heat | BA.5532.CPA.40.30.10 |
| 13 | | | | | | |

European Statistical Training Programme (ESTP)

13-14 February Vienna

Energy consumption in Other sectors (commerce)

1. Coverage
2. Databases - indicators
3. Compilation tool

European Statistical Training Programme (ESTP)

13-14 February Vienna

Energy consumption in **ROAD TRANSPORT**

1. Conceptual matters
2. Compilation strategies
3. Base data
4. Calculation tool

For discussion

**Manual on Physical Energy Flow Accounts – elements:
set of tables, classifications, base statistics,
compilation steps, allocation (services, transport),
indicators
... necessary on an international level?**

**Thank you very much for
your attention!**

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