



Third meeting of the project

“Monitoring of EU and national energy efficiency targets”

(ODYSSEE-MURE 2010)

Varsaw, 6-7 October 2011

Eurostat Activities on Households

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Working Party on Energy Statistics, Luxembourg 21-22 June 2011

All documents:

[http://circa.europa.eu/Public/irc/dsis/chpwg/library?l=/
statistics_21-22_1&vm=detailed&sb=Title](http://circa.europa.eu/Public/irc/dsis/chpwg/library?l=/statistics_21-22_1&vm=detailed&sb=Title)

Paper on ESSNet :

[http://circa.europa.eu/Public/irc/dsis/chpwg/library?l=/
statistics_21-22_1/consumption_essnet/ EN 1.0 &a=d](http://circa.europa.eu/Public/irc/dsis/chpwg/library?l=/statistics_21-22_1/consumption_essnet/EN_1.0_&a=d)

What the Regulation says

Article 9:

“[...] the Commission (Eurostat), in collaboration with the Member States, shall [...] :

(a) [...]

*(b) reviewing and determining the methodology used at national and Community level **to generate final energy consumption statistics** (sources, variables, quality, costs) based on the current state of play, existing studies and feasibility pilot-studies, as well as cost-benefit analysis yet to be conducted; and evaluating the findings of the pilot studies and cost benefit analysis with the view to establishing breakdown keys for final energies by sector and main energy uses **and gradually integrating the resulting elements in the statistics from 2012 (reference year) onwards.**”*

History: Actions until now (residential sector)

Task Force:

- Members:
Volunteering countries: AT, FR, DE, DK, UK
- Work done:
 1. elaborated elements to be included into Review Reports of national systems
 2. elaborated recommendations for a data collection (coverage)

Working Group (8/12/2008):

- Approved proposed structure of a country review report and recommended coverage of a survey
- MS submitted the required country review reports; available on:
http://circa.europa.eu/Public/irc/dsis/chpwwg/library?l=/consumption_8122008/household_consumption&vm=detailed&sb=Title&cookie=1

History: Task force proposal for survey coverage

1. Housing Stock Characteristics

Ownership type, dwelling type, age, insulation, surface heated / air-conditioned

2. Household characteristics

Household size, income, intensity of occupation of the dwelling

3. Consumption / expenditure of energy commodities

Consumption and associated cost per type of energy commodity (electricity, heat and major fuels)

4. Space Heating

Main/supplementary space heating system: fuel type, type of heating equipment, age of equipment

Availability and type of temperature control instruments (thermostats)

5. Hot Water

Water heating equipment: fuel type, tank size, age

6. Cooking

Cooking equipment: fuel type, equipment type, age

7. Electrical appliances

Availability of electrical appliances: type, number, age

8. Air conditioning

Air conditioning equipment: type, age

9. Penetration of Energy efficiency Technologies

labelled equipment by appliance type, high efficiency condensing boilers, high efficiency lamps

Retrofitting in view of improved energy saving: dwelling, heating / air-conditioning equipment

10. Energy service demand

Intensity of use of heating, air conditioning; heating and cooling setpoints (thermostats)

11. Penetration of renewable Energy Sources

Solar panels (surface, power, type), biomass (by type), heat pumps (type/power, electricity consumption)

12. Energy consumption by end-use

Based on modelling: space heating, water heating, cooking, space cooling, lighting and electrical appliances

History: Actions undertaken until now

Eurostat:

- reviewed these reports
- Prepared a call for proposals and sent it to all MS and EEA countries
(2009 and 2010):
 - 2009: AT, BG, CY, ES, FI, IT, LT, LV, MT, PL, PT, RO, SI
 - 2010: BE, DK, EE, EL

Working Party 11/12/2009:

- Discussion of the proposed data collections

Most important new development: Methodology: Manual/Training (ESSNet)

The most important new development is the launching of an ESSNet project for a manual on energy consumption in households

Spain (IDEA) has volunteered to take on a coordinating role

Possible interests in partnership: AT, CY, DE, SI, UK and PL

Work planning: 2012-2013

Objectives:

- Review of national practices
- Best practices/lessons learned
- Recommendations for an EU approach

Other ideas and suggestions from the ESWP

ESSNet: Production of a manual for statistics on energy consumption in households

The origin of this initiative comes from the negotiations on the Regulation on Energy Statistics 1099/2008 in the European Parliament and in the Council

- WP 1: Management
- WP 2: Review of current international methodological handbooks, guidelines and practices
- WP 3: Produce the chapters of the manual
- WP 4: Dissemination (Part 1) – Production of a high quality publication on energy statistics for household consumption
- WP 5: Dissemination (Part 2) - Training

Conclusions, June 2011

- Methodology: Contributions will soon be invited
- Views on potential expansion of the Regulation to energy consumption in households
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