

Euro TopTen

Monitoring of appliances listed into the national databases

Semester 2, Deliverable 11, Work package 3

Market Monitoring Note n. 2

Prepared by SEVEN, The Energy Efficiency Center, Czech Republic

Over the first semester of the existence of the national TopTen databases (launched between September and December 2006), some 3374 appliances have been on-line in 11 national databases. (these national databases include Switzerland, as an associate member, and the common TopTen.euro website).

During the second semester the number of appliances listed has increased to 3586.

The distribution and organisation of the product categories has not changed during the second semester on the central TopTen level. Individual partners list their appliances in various categories, depending on the list of appliances available on their markets. There are 34 product categories specified and monitored.

Almost all countries with products on line in the first two semesters have covered the cooling appliances (divided into 5 sub categories). Most of the countries have also covered dishwashers and washing machines. The most active countries, in terms of the number of categories covered, are Austria and Switzerland. Other countries plan to increase the number of categories covered during the next semesters.

No country so far has any energy using products listed in the PC and notebooks categories.

The common Euro TopTen product categories cover the products with the most outstanding performance (within the cooling appliances, driers, energy saving lamps and cars) and available widely throughout the EU. During the second semester, the Electric Tumble Driers category has been updated, due to a market development and changes observed.

During the two semesters, only products allocated to the highest energy classes have been able to enter the databases. A set of other criteria have been used to select the most energy efficient appliances, which include the energy efficiency index, washing and drying classes, water consumption etc.

Concrete number in specific categories listed in the annexed table have similar values throughout the individual countries. Some differences exist however and the main reason

for this is that different product categories can be covered within the common monitoring tool in various countries.

During the second semester the following **new** categories have been included into the Euro TopTen project and its national databases:

Poland: Washing machines and Dishwashers (and their subcategories)

Finland: Refrigerators and freezers, Upright and Chest freezers

Austria: Ovens freestanding and in-build

Czech Republic: Compact Fluorescent Light Bulbs

Hungary: Refrigerators and freezers, Dishwashers, Washing machines, Cars

Italy: Dishwashers

The following product categories have been **updated** on the national level (in terms of new and more stringent criteria or significantly updated list of appliances):

Topten.info: Electric Tumble Driers.

The Netherlands: Refrigerators, Televisions and Cars

Czech Republic: In-build freezers

Italy: Refrigerators

Austria: Refrigerators freestanding, Refrigerators in-build, 2 Door refrigerator freezer, Upright Freezer, Chest freezer, Dishwasher freestanding, Dishwasher in, Washing machine front, Washing machine top, Electric Tumble Driers, Air conditioner fix, Air conditioner mobile.

Switzerland: Refrigerator freestanding, Refrigerator in, 2 door refrigerator, upright freezer, Oven in, Washing machine front, Electric Tumble Driers, Air conditioner fix, Air conditioner mobile, Induction Hub, Monitor LCD and DVD recorders.

Product categories linked to the Top Ten principle, but not directly associated with the EIE Euro TopTen project exist also in Germany and Portugal. These are not reflected in this market monitoring note.

All participating countries undertake at least one complete review of the database per semester. In some cases this is being done even more often, such as for example in the

Netherlands, where the cars database is controlled twice a semester, to ensure that the database contains products directly available on the market.

Table 1: List of participating countries, number of categories covered, and the number of appliances listed nationally in semesters 1 and 2.
(Total number of categories is 34).

Country	Number of categories covered		Number of appliances listed	
	Semester 1	Semester 2	Semester 1	Semester 2
Austria	23	25	959	1104
Belgium	7	7	266	266
Czech Republic	11	12	110	168
Finland	0	3	0	67
France	9	10	213	247
Hungary	0	10	0	102
Italy	4	9	133	289
Netherlands	8	9	210	176
Poland	6	11	148	314
Switzerland	29	29	1091	843
Top Ten EU	9	9	244	251
Total	106	134	3374	3822

Note: the number of appliances in the databases in individual countries (and in future semesters) is not an indication of the quality of the project, as criteria for selecting the market have been set up individually and do change (towards more strict ones) in time.

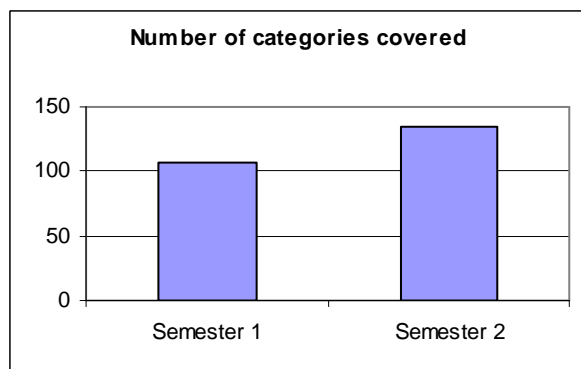
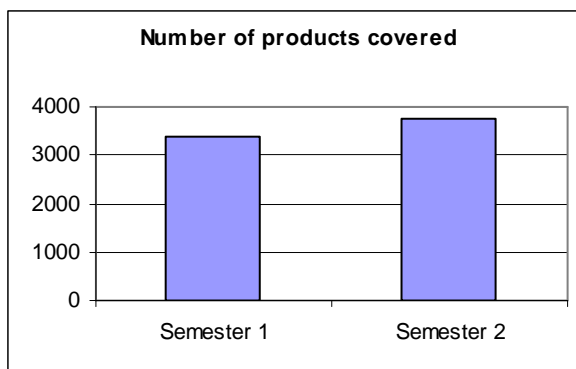


Table 2: Criteria for including appliances into the TopTen database (example of TopTen, Austria, Switzerland, the Czech Republic, France and the Netherlands for selected cooling and cleaning appliances)

<i>Category / Country</i>	<i>TopTen</i>	<i>Austria</i>	<i>Switzerland</i>	<i>Czech Republic</i>	<i>France</i>	<i>The Netherlands</i>
2 door refrigerator freezer	A++	A++	A++	A++	A+	A+
Chest Freezer	A++	A++	A++	A++	A+/A++	A++
Dishwasher freestanding	AAA	AAA, 12 l	AAA	AAA, 12 l	AAA	n.a.
Washing machine front load	AAA	AAA, 42 l	AAA, 9l/kg	A+AA, 39 l/5kg	n.a.	AAA

Picture below: Examples of the project monitoring software (<http://monitoring.topten.info>)

Main Menu:	
List of Appliances	List of Users
Export	Log off
Appliances	
Refrigerator freestanding	Change
Refrigerator in-build	Change
2 Door refrigerator freezer	Change
UpRight Freezer	Change
Chest freezer	Change
Dishwasher freestanding	Change
Dishwasher in	Change
Oven fre	Change
Oven in	Change
Washing machine front	Change
Washing machine top	Change
Combined Washers - Driers	Change
Electric Tumble Driers	Change
Air conditioner fix	Change
Air conditioner mobile	Change
Coffee machine	Change
Induction hub	Change
Humidifier	Change
Inkjet-equipment	Change
Laser-Printer b/w	Change
Laser-Printer color	Change
Laser MFD b/w	Change

Refrigerator freestanding							
state	Energy/annum in kWh best	Energy/annum in kWh mean	Number of appliances	Efficiency index average best	Efficiency index average mean	EU Energy Class (A, A+ or A++)	Price (Eur) best
Austria	84	200.8	23	29.5	72.2	A++	459
belgium	83	217	84	30.85	37.61	A+ or A++	299
Cesko	193	242	33	35	38	A+	0
france	130	185.3	27	38.6	40.6	A+	299
hungary	106	126	10	43.38	42.2	A+	144.7
italy	194	222	60	32	37	A+	445
netherlands	84	127	20	0	0	A++ and A+	259
poland	145	171.7	31	35.1	45.2	A+ or A	187.4
Switzerland	84	115.2	5	28	29.22	A++	465
TopTen association	82	115.5	12	28	29.49	A++	0

Refrigerator in-build							
state	Energy/a (kWh) best	Energy/a (kWh) mean	EU Energy Class (A, A+ or A++)	Efficiency index average best	Efficiency index average mean	Number of appliances	Price (Eur) best
Austria	131	307	A+	40.9	89.4	51	788
belgium	116	178	A+ or A++	33.95	37.35	28	449
Cesko	120	183	A+	0	0	19	0
france	126	174	A+ and A++	35.3	40.8	33	429
hungary	0	0	A+	306	0	1	326.4
italy	176	212	A+	31	38	35	557
netherlands	117	180	A++ and A+	0	0	48	459
poland	171	182	A++, A+ or A	29.7	44.2	20	789
Switzerland	135	167.64	A++	27.1	29.33	11	735
TopTen association	135	163.1	A++	27.1	29.38	14	0

Picture above: The table with all numbers filled in within the second semester.

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Úsporné spotřebiče
v České republice

Databáze spotřebičů TOP TEN

Chladnička a mraznička š. 60 cm, nad 315 l							
▼ Značka	Whirlpool	Whirlpool	Ardo	Haier	Whirlpool	Electrolux	Neúsporný spo
▼ Adresa	www.whirlpool.cz	www.whirlpool.cz	www.ardo.cz	www.haier.cz	www.whirlpool.cz	www.electrolux.cz	
▼ Model	ARC 5773	ARC 5772	CO 2610 SH	HRF 416 KAA	ARC 5783	ERB 4032	neznačkov
▼ Energie/rok v kWh	266.45	266.45	266	260	266	233.6	361.35
▼ Energetická třída (A, A+ nebo A++)	A+	A+	A+	A+	A+	A+	A
▼ Výška (cm)	203	203.2	200	200	203	200	200
▼ šířka (cm)	60	60	60	60	60	60	60
▼ Hloubka (cm)	61	61	60	60	61	62.5	64
▼ Celkový užitečný objem (l)	326	326	332	328	326	338	365
▼ Přibližné náklady za dobu životnosti 10 let	10658	10658	10640	10400	10640	9344	14454