

## **Euro TopTen**

### **Monitoring of appliances listed into the national databases**

**Semester 3 (II / 2007), Deliverable 12, Work package 3**

### **Market Monitoring Note n. 3**

**Prepared by SEVEN, The Energy Efficiency Center, Czech Republic**

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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 3822. After the **third semester** the number of appliances increased up to 4 165, that gives the growth of 343 new appliances during the third semester. (For comparison the growth in second semester was 448).

The distribution and organisation of the product categories has not changed during the study period 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 during the 3 semesters have covered the cooling appliances (for the monitoring purpose 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. During the third semester Finland, Italy and the Netherlands have noticeably enlarged the amount of covered categories. Other countries plan to increase the number of categories covered during the next two semesters.

In this semester again no country has any 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, cars and the circulation pumps as a new category) and available widely throughout the EU. During the third semester, minor update changes have occurred in the Electric Tumble Driers, cars and two cooling appliances categories, due to a market development and product changes observed.

During the study period, 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. In the third semester the information was updated: some outmoded appliances were deleted and at the same time some appliances, which just appear at the market were added.

Concrete number in specific categories listed in the annexed table has 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 third semester the following **new** categories have been included into the Euro TopTen project and its national databases:

*France:* Cars (3,5 - 4,4 m wide), Cars (4,5 - 4,9 m. and over wide) with Petrol / Diesel positions, Monitor LCD only;

*Finland:* Refrigerators freestanding, Refrigerators in-build, CFL lamps;

*The Netherlands:* Dishwasher freestanding, Dishwasher in;

*Belgium:* Washing machine top;

*Poland:* CFL lamps;

*Switzerland:* TV (CRT);

*Czech Republic:* Cars (3,5 - 4,4 m wide);

*Italy:* TV (LCD), CFL lamps.

In agreement with the TV-Producers, Austria's national database has discontinued the listing of TVs (CRT, LCD, Plasma) until a new standardized measurement methods are in place.

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):

*The Netherlands:* Cars (3,5 - 4,4 m wide), Cars (4,5 - 4,9 m. and over wide), freezers and dishwashers;

*Austria:* Combined Washers – Driers, Laser-Printer color, Monitor LCD only;

*Belgium:* Electric Tumble Driers.

All other product categories are being updated regularly at least twice a year to check if all products are still on the marker or if new types have entered it. (The list above therefore does not include minor updates of several appliances added or removed on a standard basis).

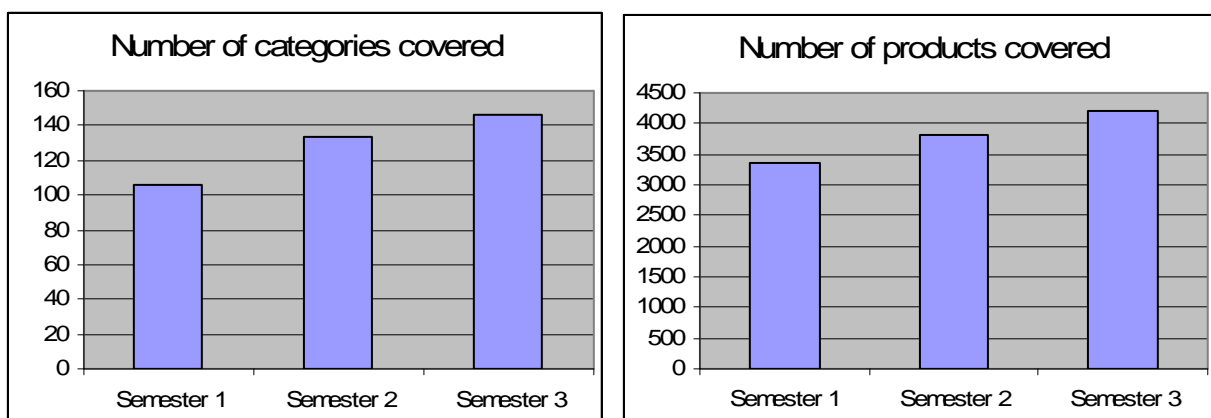
In some cases the update is being done even more often, such as for example in the Netherlands, where the cars database is controlled twice a semester, to ensure that the database contains products directly available on the market.

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 as they are not a formal part of the EIE Euro TopTen project.

**Table 1:** List of participating countries, number of categories covered, and the number of appliances listed nationally in semesters 1, 2 and 3.  
(Total number of categories monitored is 34).

Country	Number of categories covered			Number of appliances listed		
	Semester 1	Semester 2	Semester 3	Semester 1	Semester 2	Semester 3
Austria	23	25	23	959	1104	1020
Belgium	7	7	8	266	266	267
Czech Republic	11	12	13	110	168	142
Finland	0	3	6	0	67	149
France	9	10	10	213	247	246
Hungary	0	10	10	0	102	101
Italy	4	9	12	133	289	491
Netherlands	8	9	12	210	176	247
Poland	6	11	12	148	314	363
Switzerland	29	29	30	1091	843	893
Top Ten EU	9	9	10	244	251	246
<b>Total</b>	<b>106</b>	<b>134</b>	<b>146</b>	<b>3374</b>	<b>3822</b>	<b>4165</b>

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, 12l	AAA	AAA, 12l	AAA	A
Washing machine front load	AAA	AAA, 42l	AAAA, 9l/kg	A+AA, 39l/5kg	n.a.	AAA

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

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

**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
CZ	0	84	3	0	0	A++	0
Finland	117	142	21	41	42	A+	349
France	130	185,3	27	38,6	40,6	A+	299
Hungary	106	126	9	43,4	42,2	A+	144
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
CZ	120	176,5	A++	0	0	19	0
Finland	117	148	A+	36	41	14	249
France	126	174	A+ and A++	35,3	40,8	33	429
Hungary	0	0	A+	30,6	0	1	326
Italy	176	212	A+	31	38	35	557
Netherlands	117	160	A++ and A+	0	0	46	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 third semester.

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Market Monitoring Note number 3  
(Semester II/ 2007)



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#### Databáze spotřebičů TOP TEN

Chladnička a mraznička do š. 55 cm							
▲ ▼ Značka	AEG - Electrolux	Electrolux	Ardo	Candy	Candy	Beko	Beko
▲ ▼ Adresa	<a href="http://www.aeg-electrolux.cz">www.aeg-electrolux.cz</a>	<a href="http://www.electrolux.cz">www.electrolux.cz</a>	<a href="http://www.ardo.cz">www.ardo.cz</a>	<a href="http://www.candy-hoover.cz">www.candy-hoover.cz</a>	<a href="http://www.candy-hoover.cz">www.candy-hoover.cz</a>	<a href="http://www.bekosa.cz">www.bekosa.cz</a>	<a href="http://www.bekosa.cz">www.bekosa.cz</a>
▲ ▼ Model	64190-KA1	ERD 2350	DP 28 SH	CFM 2450 E	CFM 2750 E	CSE 21020	CSE 29020
▲ ▼ Energie/rok v kWh	193.5	285	233.6	248	259	208	245
▲ ▼ Energetická třída (A, A+ nebo A++)	A+	A+	A+	A+	A+	A+	A+
▲ ▼ Výška (cm)	105	140	154	149	163	133	171
▲ ▼ Šířka (cm)	55	54.5	54	54	54	54	54
▲ ▼ Hloubka (cm)	60	60.4	58	60	60	60	60
▲ ▼ Celkový užitečný objem (l)	184	230	256	215	244	174	247
▲ ▼ Přibližné náklady za dobu životnosti 10 let	7740	11400	9344	9920	10360	8320	9800
	