

Residential Monitoring to Decrease Energy Use and Carbon Emissions in Europe

Module A: Household details

A1 Location and contact details

Post code	
Phone number ¹	

¹required if you would like an evaluation of your electricity consumption

A2 How many persons live in the household in the following age groups?

Age 12 and less	
Age from 13 to 18	
Age from 19 to 65	
Age more than 65	

A3 What is the highest education level in the household? (tick the relevant choice, one box only)

No degree or certificate	
High school or equivalent	
Trade/Vocational certificate or equivalent	
University degree or equivalent	

A4 What was your electricity consumption invoiced by your electricity company last year?

In euros	
In kWh (if known)	

A5 What type of building do you live in?

Single family house Multi-occupancy building

A6 Do you use electric space heating?

Yes No

A7 Do you use electric water heating?

Yes No

Module B: Cold appliances

B1 Do you have one or several refrigerators without a freezer compartment?

Yes No

If yes, please specify the age, the volume and the energy class (A++, A+, A, B, C, D, E, F, G) if known:

Refrigerator	Age			Volume (liters)	Energy class
	Less than 5 years	From 6 to 10 years	More than 10 years		
1					
2					
3					

B2 Do you have one or several refrigerators with a freezer compartment?

Yes No

If yes, please specify the age, the volume and the energy class (A++, A+, A, B, C, D, E, F, G) if known:

Refrigerator	Age			Vol.fridge (liters)	Vol.freezer (liters)	Energy class
	Less than 5 years	From 6 to 10 years	More than 10 years			
1						
2						
3						

B3 How often do you clean the grid at the rear of the refrigerator ?

Every month Every year Never

B4 How often do you defrost your refrigerator ?

Every month Every year Never Refrigerator has automatic defrost function

B5 How do you adjust the thermostat of your refrigerator?

Minimum (the coldest) Middle position Maximum (the warmest)

B6 Is (one of) your refrigerator(s) located against a cooking appliance (cooker, oven, hobs...)?

Yes No

B7 Do you have one or several freezers?

Yes No (à go to question B10)

If yes, please specify the age, the volume and the energy class (A++, A+, A, B, C, D, E, F, G) if known:

Freezer	Age			Volume (liters)	Energy class
	Less than 5 years	From 6 to 10 years	More than 10 years		
1					
2					
3					

B8 How often do you defrost your freezer ?

Every month Every year Never freezer has automatic defrost function

B9 How do you adjust the thermostat of your freezer?

Minimum (the coldest) Middle position Maximum (the warmest)

B10 Is your freezer located against a cooking appliance (cooker, oven, hobs...)?

Yes No

B11 Do you put cooked food into your refrigerator/freezer before it has cooled?

Yes No

B12 Do you systematically cover the dishes before introducing them in the refrigerator ?

Yes No

B13 Do you check the energy label when purchasing a refrigerator or freezer?

Yes No



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Module C: Washing appliances

C1 Have you got a washing machine?

Yes No (à go to question C6)

If yes, please specify the age, the capacity and the energy class (A, B, C, D, E, F, G) if known:

Age			Capacity		Energy class
Less than 5 years	From 6 to 10 years	More than 10 years	5 kg or less	More than 5 kg	

C2 Do you usually load your washing machine to

25% 50% 75% 100%

C3 Do you pack clothes when loading the washing machine?

Yes No

C4 If known, indicate the spin speed you usually use for:

Cotton : turn/min
 Synthetic : turn/min
 Sensitive linen (wool...): turn/min

C5 Do you usually use the ECO button (if there is one on your machine)?

Always Sometimes Never Not applicable

C6 Have you got a tumble dryer?

Yes No (à go to question C9)

If yes, please specify the age and the energy class (A, B, C, D, E, F, G) if known:

Age			Energy class
Less than 5 years	From 6 to 10 years	More than 10 years	

C7 How does the drying cycle stop?

With a timer (set by the user) Automatically (sensor)

C8 How frequently do you use your tumble dryer

(in % of wash-for example 50% if you use it 1 wash out of 2)

Winter	Autumn	Summer	Spring

C9 Have you got a dish washer?

Yes No (à go to question C15)

If yes, please specify the age and the energy class (A, B, C, D, E, F, G) if known:

Age			Energy class
Less than 5 years	From 6 to 10 years	More than 10 years	

C10 Is your dish washer fed with hot water?

Yes No Don't know

C11 Do you usually use the ECO button (if there is one on your machine)?

Always Sometimes Never Not applicable

C12 At which temperature is your dish washer usually set to?

Don't know 50°C 65°C Other :

C13 Do you rinse the dishes before putting them in the dish washer ?

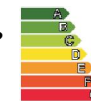
Yes No

C14 How do you load the dish washer most of the time?

25% 50% 75% 100%

C15 Do you check the energy label when purchasing a washing appliance?

Yes No



Module D: Cooking appliances

D1 How do you defrost your food most of the time? (only one answer)

Micro-wave Refrigerator Left outside to defrost In the pan

D2 Do you usually put a lid on the pan when you cook?

Always Sometimes Never

D3 How much of your cooking do you make with a pressure cooker?

0% 10% 25% 50% 90%

Module E: Office appliances

E1 Do you have an internet connection?

Yes No

If yes, please specify the type of connection:

- Dial up phone line (analogue, ISDN)
- Broadband or LAN (wireless, cable)
- Don't know

E2 When you are not using the following equipment, do you usually

(tick the boxes only if you own the appliance)

Device	Turn it off	Leave it on standby	Leave it on
Desktop			
Monitor			
Laptop			
Printer			
Multifunction printer (printer/scanner/copier)			
Scanner			
Copier			
Fax			
Modem			
Speakers			
Router/hub			
Other :			

E3 When you leave your computer on without using it, what is the reason ?

No need to boot it at each use Worried about damaging it Tasks running (download, backup, etc)

E4 Are the electricity saving handler active on your monitor? (placing inactive monitor into a low power sleep mode)

Yes No Don't know

E5 Are the electricity saving handler active on your desktop? (placing inactive computer into a low power sleep mode)

Yes No Don't know

E6 In your opinion does the activation of the screen saver save electricity?

Yes No

E7 What do you think the Energy Star label refers to?

- Electromagnetic compatibility
- Electricity saving handling
- Use of recyclable material
- Low energy consumption

Don't know



E8 When you buy an office appliance (computer, printer...) do you choose one with the energy star label?

Always Sometimes Never

Module F: Home entertainment

F1 When you are not using the following equipment, do you usually (tick only if you own the appliance)

Device	Turn it off with the on/off button	Turn it off with the remote control	Leave it on standby	Leave it on
TV				
Home cinema				
VHS recorder/player				
DVD recorder/player				
Hi-Fi				
Satellite/cable set top box				
Hard disc				
Video game				
Other :				

F2 What will you choose to replace your existing TV?

Plasma Flat screen(LCD) Cathode ray screen Projector

F3 Do you know that some appliances use electricity even when they are turned off with the ON/OFF button but not unplugged?

Yes No

F4 Do you usually leave chargers (phone, batteries...) plugged in without using them?

Always Often Sometimes Never

F5 Do you use multiple sockets with a switch to disconnect all appliances from the mains?

Yes No

Module G: Air conditioning/Comfort cooling

G1 Do you use an air conditioning system?

Yes No (à go to question H1)

G2 What is the floor area of your place of residence which is air conditioned ? m²

G3 Which part of the dwelling does it represent? %

G4 Specify the type of air conditioning and its energy class in known (A, B, C, D, E, F, G, "don't know"):

Air conditioning appliance	Number	Energy class 1
Centralized air conditioner (multi occupancy buildings)		
Heat pump		
Monosplit		
Multisplit		
Mobile air conditioner		
Humidifier		
Fan		
Other		

G5 Do you leave some outside doors or windows of the air conditioned room open while the air conditioning is on?

Yes No

G6 What temperature do you set your air-conditioning to? °C

G7 What do you consider as the inside comfort temperature in summer? °C

Module H: Lighting

H1 Specify the number of light bulbs of each type and the room in which they are used

Type	Living room	Bed rooms	Kitchen	Bath rooms	Hallways	Outdoors	Other rooms
Incandescent 							
Low wattage halogen 							
High wattage halogen (>70W) 							
Fluorescent 							
Compact Fluorescent 							

H2 Do you leave the light on in unoccupied room?

Often Sometimes Never

H3 Do you buy low consumption light bulbs (Compact Fluorescent or Fluorescent lamps) when you replace a bulb?

Most of the time Sometimes Rarely Never

H4 If you never or rarely use them, why? (tick all the boxes which apply)

Price Lighting quality Size Appearance lifespan Other :

H5 Have you changed your lighting habits with the lamps you have replaced by low consumption bulbs?

Yes, I let them burn longer No, I haven't changed anything

Module I: General points

I1 Rank the following criteria from 1 to 7 according to their importance when you purchase a new domestic appliance (1: more important, 7: not important)

Price	
Design/style	
External dimensions	
Capacity	
Electricity consumption	
Ease of use	
Other (specify:)	

I2 Why do you think it is necessary to save electricity ? (1: more important, 5: not important)

Financial savings	
Depletion of energy supplies	
Greenhouse effect/Global warming	
War risk due to electricity crisis	
Other (specify:)	

I3 Have you heard about electricity savings from any of the following sources?

- | | |
|--------------------|----------------|
| TV | Radio |
| Magazine/Newspaper | Conference |
| School | Work |
| Internet | Friends/family |
| Other : | |