CEPIS

Green ICT Taskforce

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**Honorary Secretary, CEPIS
Vice-President, HePIS**

Organized by

HEPIS

HELLENIC PROFESSIONALS INFORMATICS SOCIETY
ΕΛΛΗΝΙΚΟ ΔΙΚΤΥΟ ΕΠΑΓΓΕΛΜΑΤΙΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ

Strategic Objectives

1. Skills

2. Professionalism

3. Education & Research

4. **Green ICT**

5. Women in ICT

6. Member Relationships & Communication

CEPIS Strategic objective 4: Green ICT

´´Through active **member engagement**, the purpose is to understand the breadth of this topic area, and agree on **a common area of interest** for **CEPIS** Member Societies, where **CEPIS** can bring relevant and common communications to the relevant **European Institutions**´´

Green ICT Taskforce

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Established in March 2010 the members of the Taskforce are:

- AICA
- ATIC
- ATI
- BCS
- CSM
- GI
- HePIS
- ICS
- NGI,VRI
- SI
- VDE

Green ICT Taskforce Main Goals

Products

Mobilizing ICT products end users **in order to change habits** and to ensure that they purchase Green ICT devices
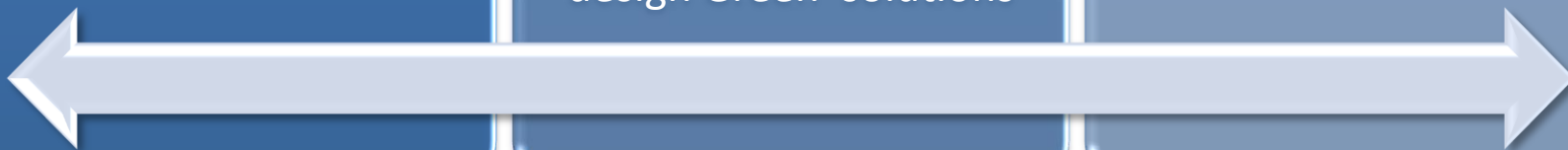
Professionals

Ensuring that the ICT professionals **have the required knowledge** to handle the Green ICT issues and are capable to design Green solutions

Organisations

Awarding organisations that **adopt** and **apply** Green ICT.

Pan European– Green ICT Survey

Target Audience: ICT professionals

Scope: Test the validity of **CEPIS draft position paper**

Questionnaire distributed in 3.000 ICT Professionals

Number of Respondents: 342

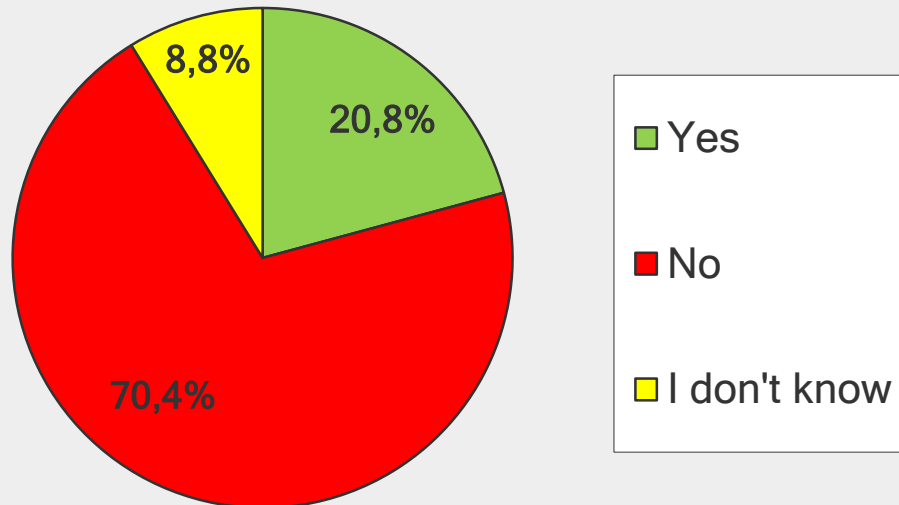**Method:** Survey Monkey Online Questionnaire

Number of Questions: 33

Purpose:
•A **pan-European snapshot** of how ICT Managers in different countries implement energy efficient methods in their organisations.

•**Guide** CEPIS on Green ICT Policy Adoption in Europe

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Is there an energy manager/ officer for your organisation?

- Yes
- No
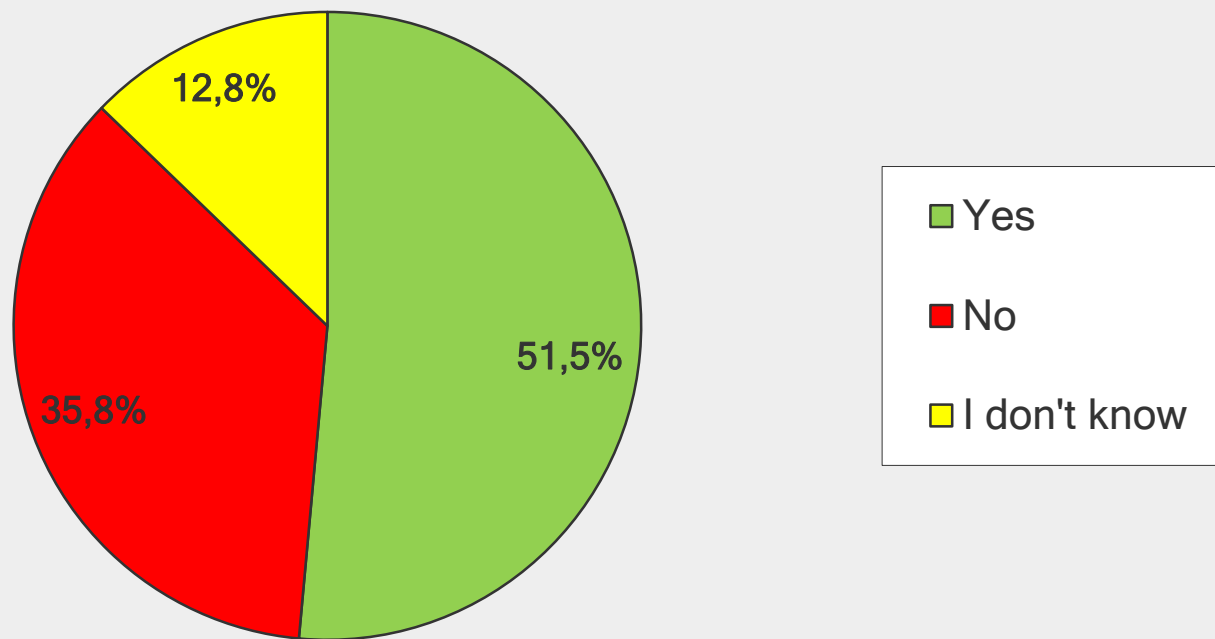- I don't know

8,8%
20,8%
70,4%

The **energy manager** is responsible for:

- Implementation of the Green ICT practices and services

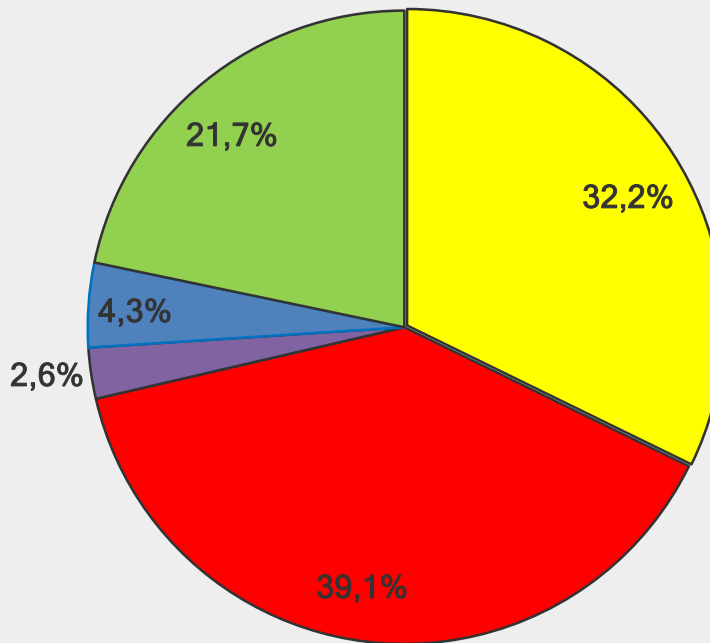- Meeting the company's climate targets

- Reduction of electricity costs

Question 2

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Does your organisation implement green IT practices?

51,5% — Yes
35,8% — No
12,8% — I don't know

Question 3

In your opinion why are green IT practices not implemented in your organisation?

- No pressure from organisation management/customers
- No official legislation enforcing green IT practices
- Competitors not doing anything either
- No agreement on ICT policy between IT department and end-users
- Employees lack the appropriate knowledge/training

32,2%
39,1%
2,6%
4,3%
21,7%

When you remove old computers from usage, what procedures does your organisation follow?
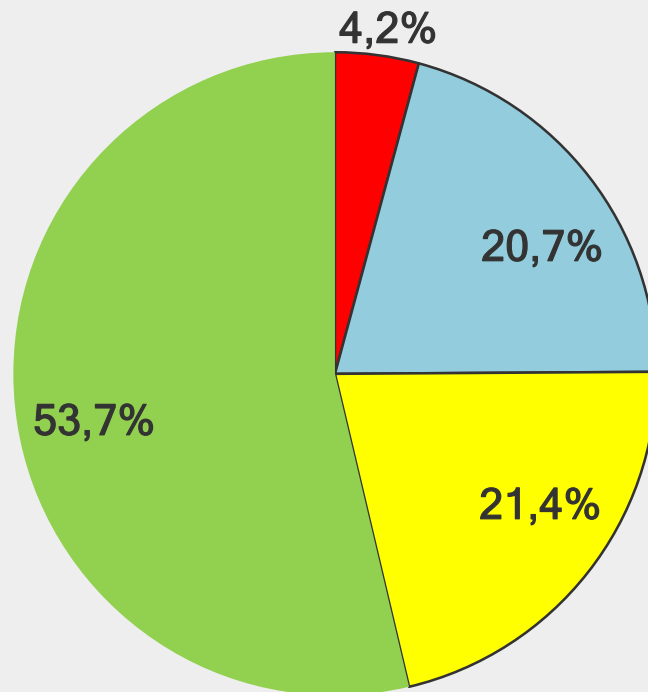
Legend:
- **We throw it away with the normal waste** — 4,2%
- **We store it until we decide what we will do** — 20,7%
- **We donate it to organizations with charitable status** — 21,4%
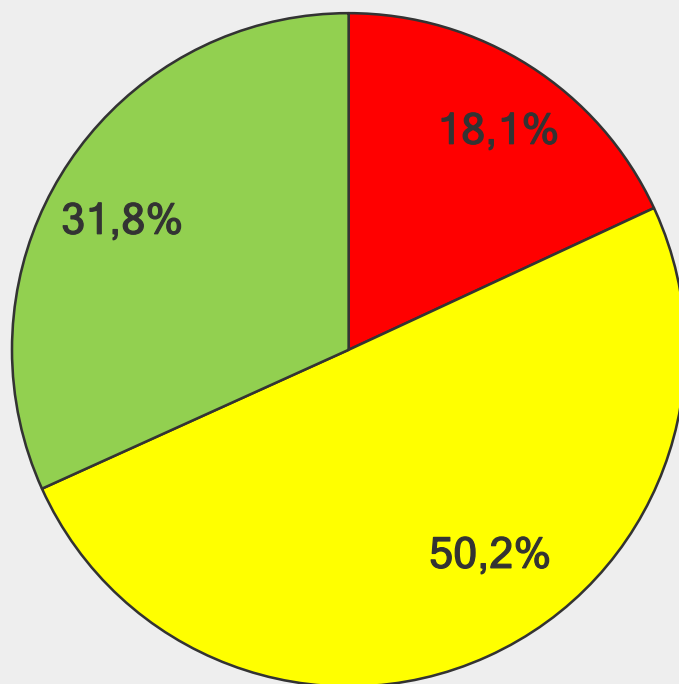- **We arrange for it to be collected by an electronics recycling company** — 53,7%

Do you use recycled printer supplies/cartridges?

- Yes — 63,1%
- No — 28,4%
- I don't know — 8,4%
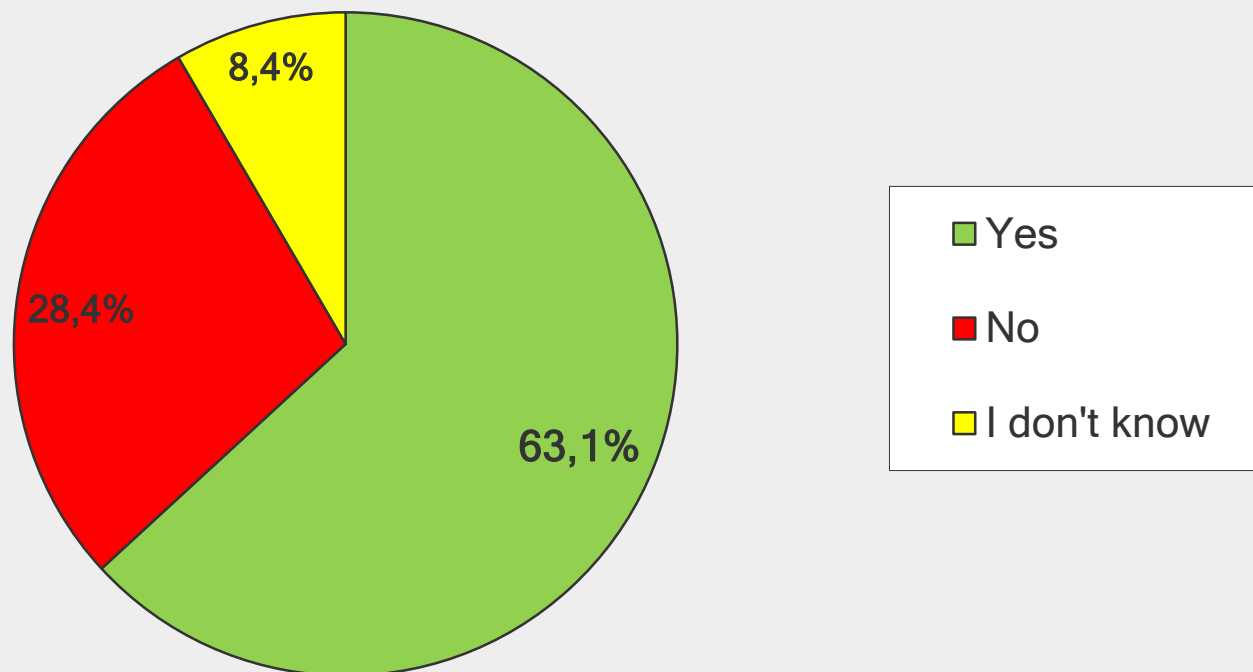
Question 6

When you dispose of a used ink cartridge or toner, what procedures does your organisation follow?

- We throw it away with the normal waste — 18,1%
- We return it for a small fee to a company that recycles printer accessories — 50,2%
- We return it to the manufacturer company which has a system of waste collection — 31,8%

Are there any government directives and/or control systems for energy saving that are implemented in your organisation?

- 28,8% — Yes
- 46,6% — No
- 24,6% — I don't know
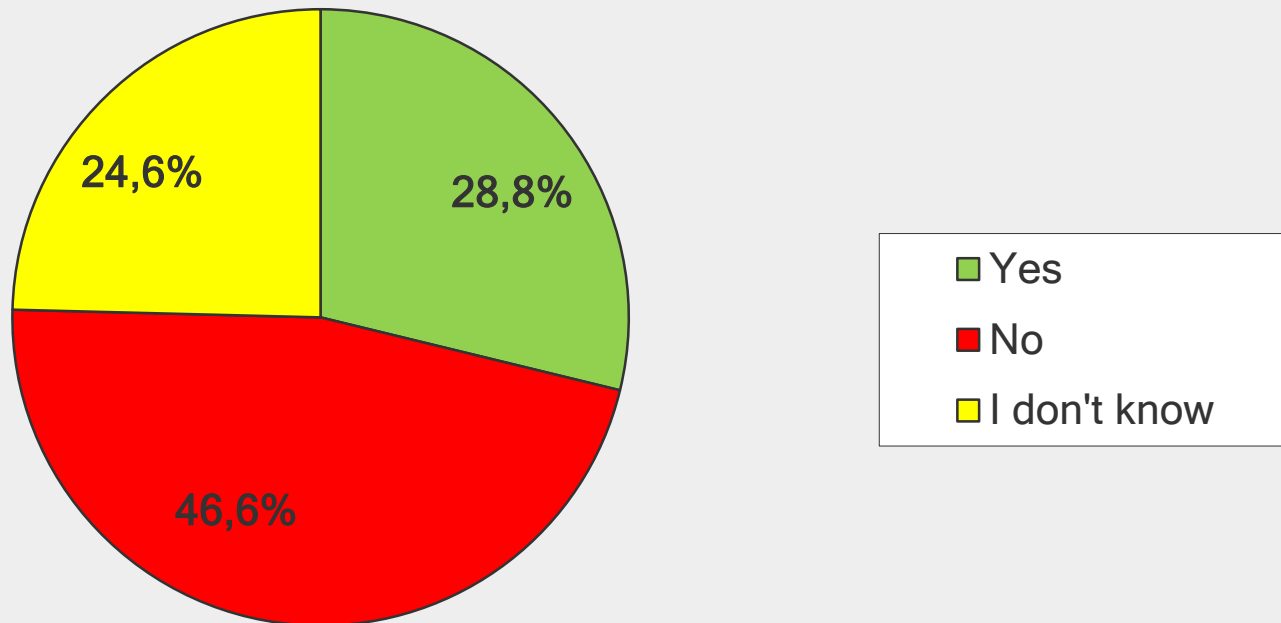
Over a third of organisations in Europe do not implement green IT practices, the most prominent reason being that there is no official legislation in their countries enforcing green IT practices
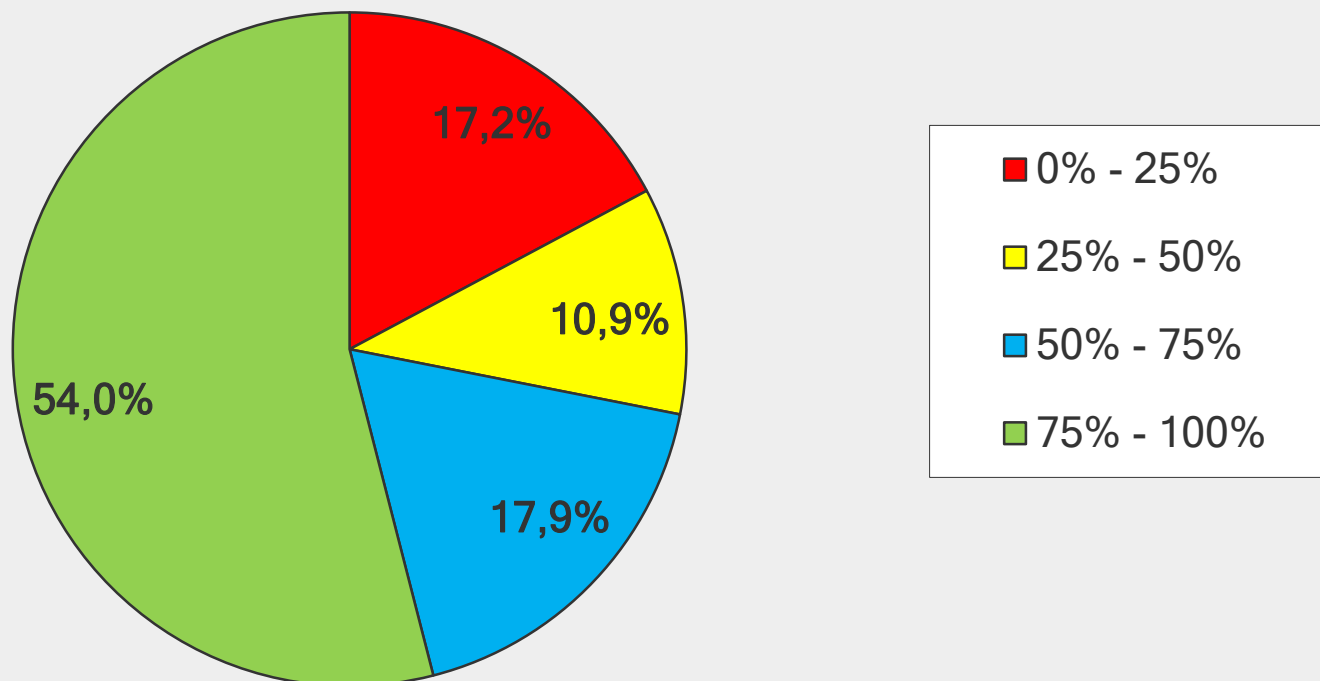
Is there a system that automatically switches off the lights in rooms where no motion is detected for some time?

- Yes
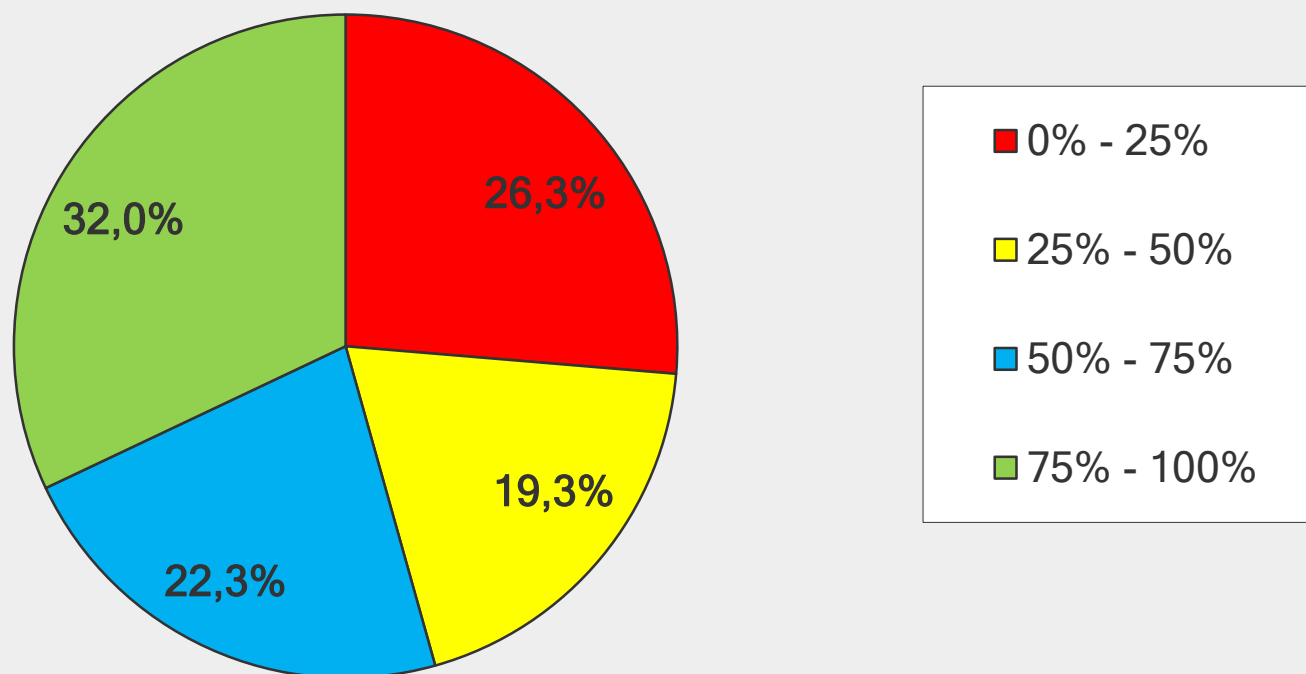- No
- I don't know

3,6%

17,5%

78,9%
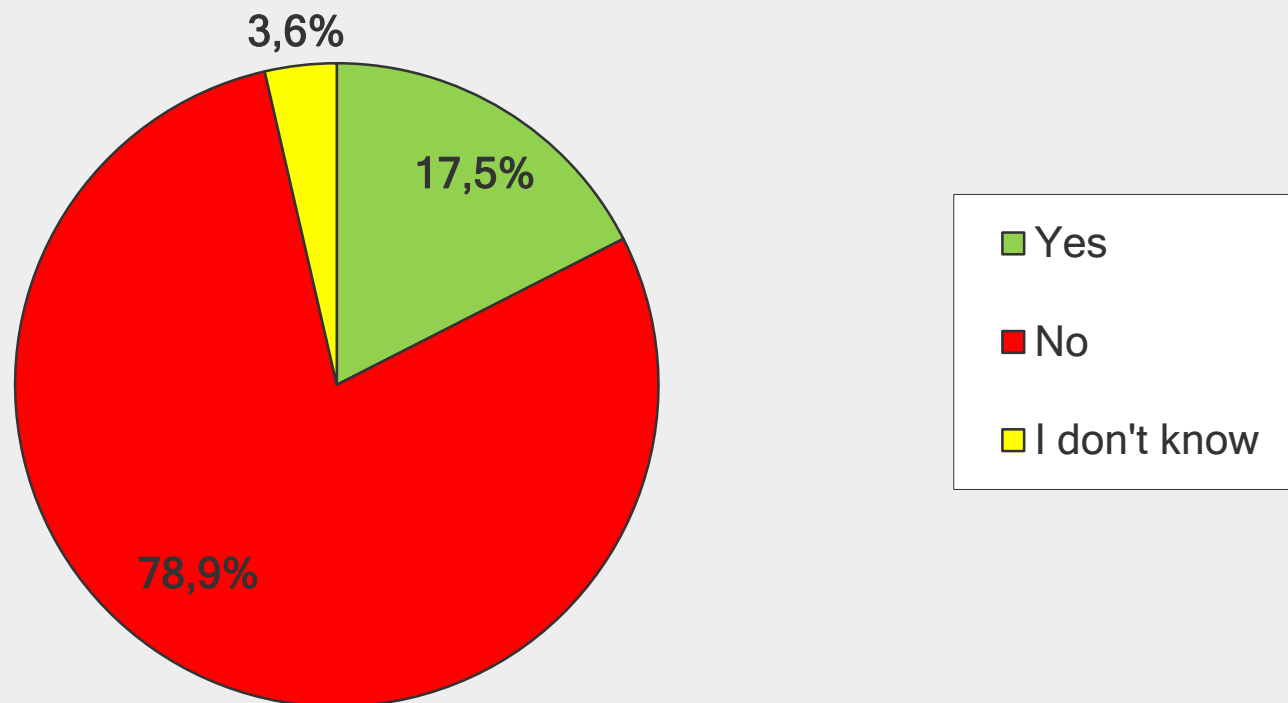
Question 9

What is the percentage of printers that are connected to LAN and shared with other users?

- 17,2% — 0% - 25%
- 10,9% — 25% - 50%
- 17,9% — 50% - 75%
- 54,0% — 75% - 100%

Question 10

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What is the percentage of printers which can print double-sided documents?

Legend:
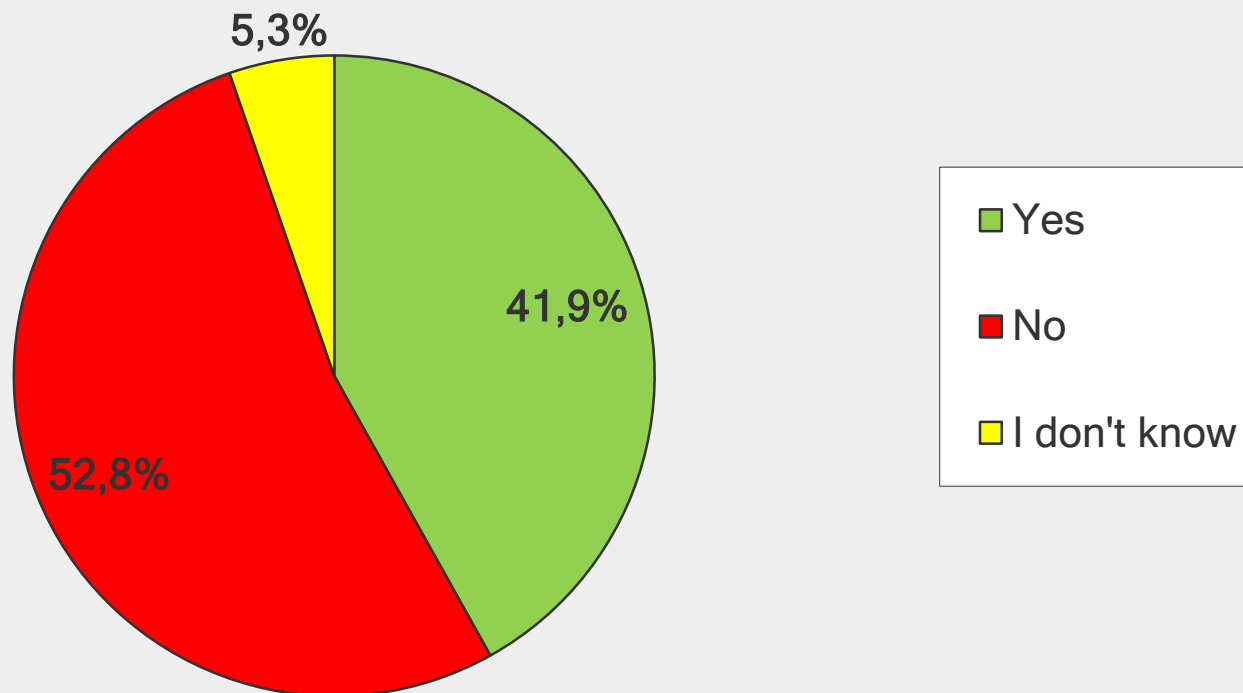- 0% - 25% — 26,3%
- 25% - 50% — 19,3%
- 50% - 75% — 22,3%
- 75% - 100% — 32,0%

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Do printers that are capable of double-sided document printing, have double-sided printing as the default option?

- 42,2%
- 45,5%
- 12,3%

Legend:
- Yes
- No
- I don't know
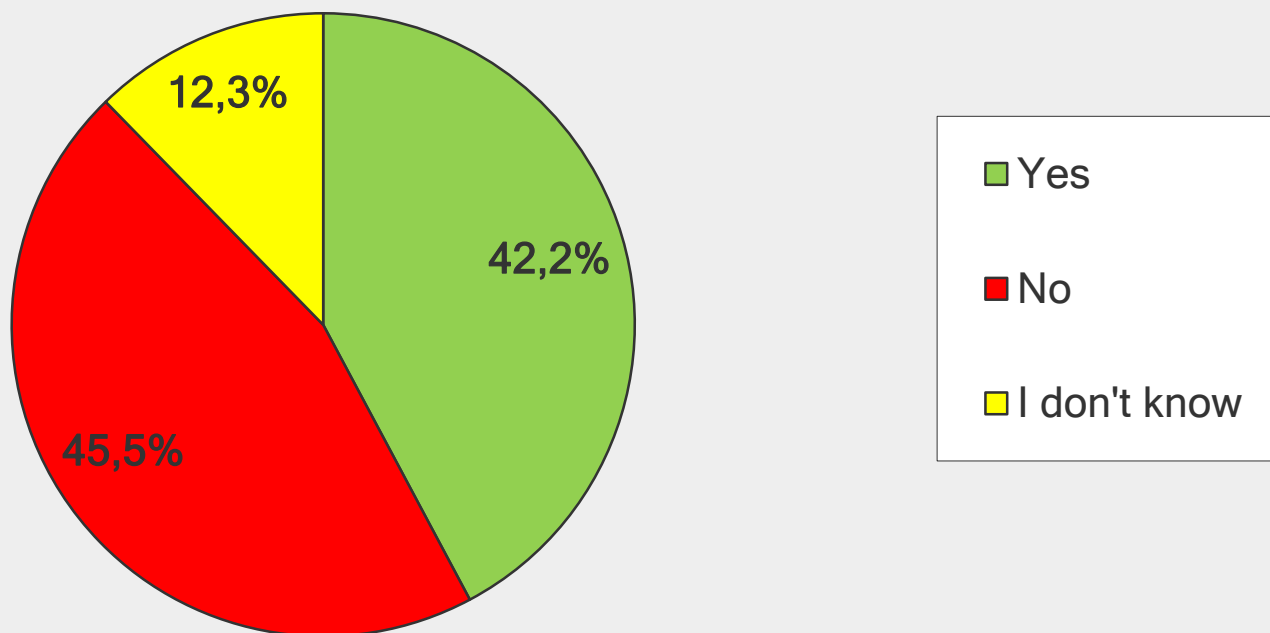
Question 12

Are there any printing restriction policies in your organisation?

- Yes — 41,9%
- No — 52,8%
- I don't know — 5,3%

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Are there any printing restriction policies in your organisation?

- Yes
- No
- I don't know

5,3%

41,9%

52,8%

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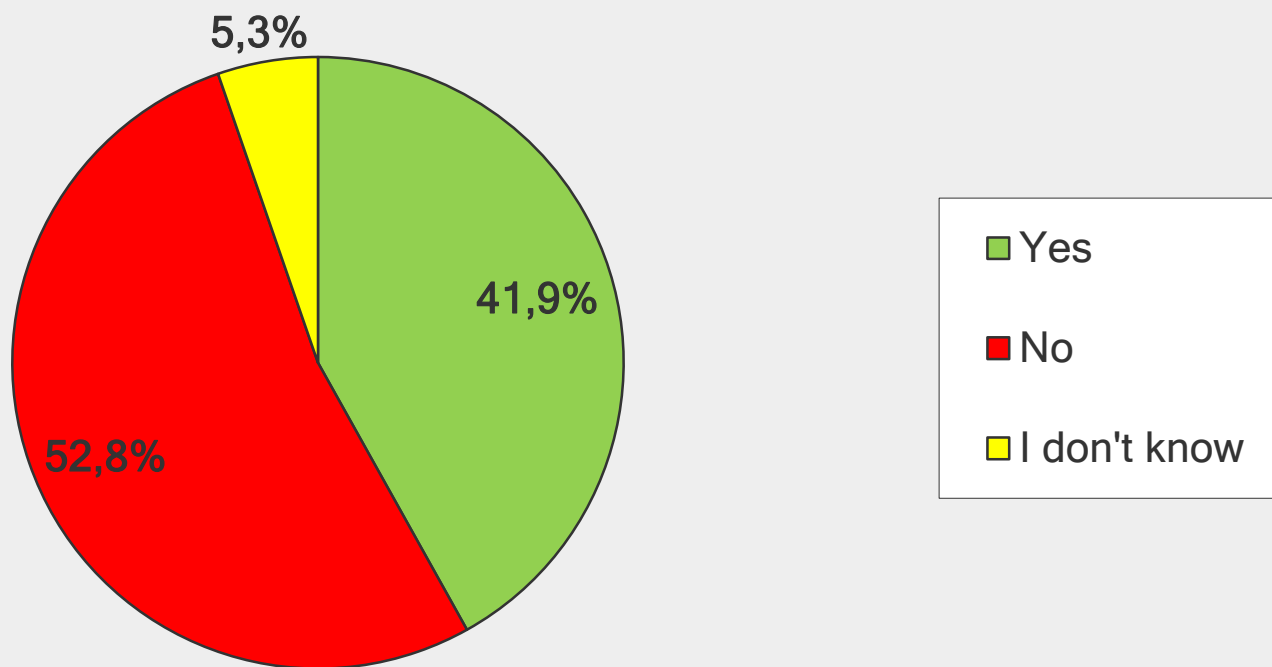
What kind of reduction measures are in place?
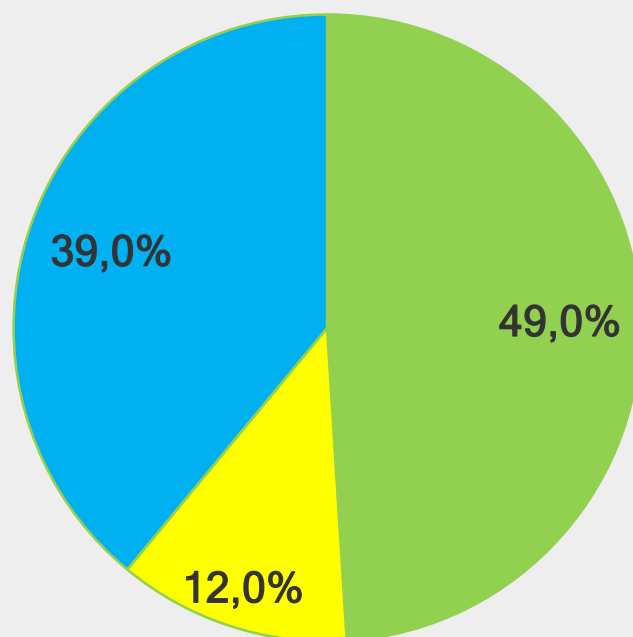
49,0% — There is a specific number of users that have the right to print

12,0% — There is a monthly limit of printed pages allowed per user

39,0% — There is a monthly report that monitors the number of printed pages for each user.

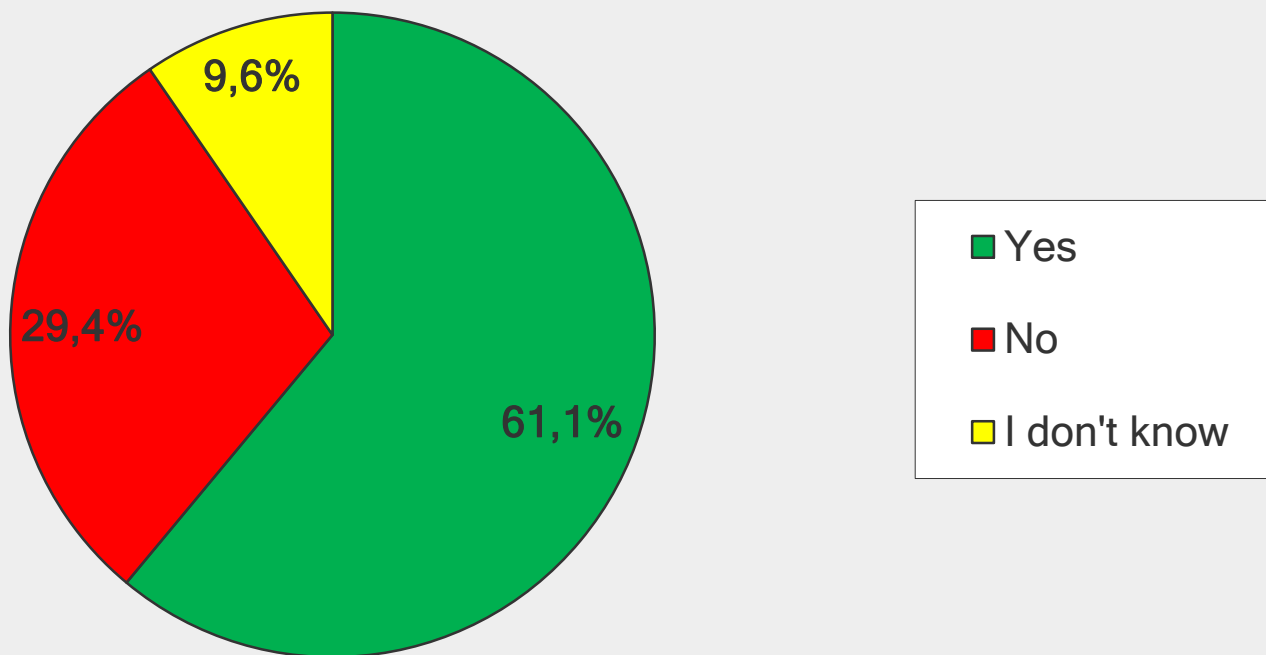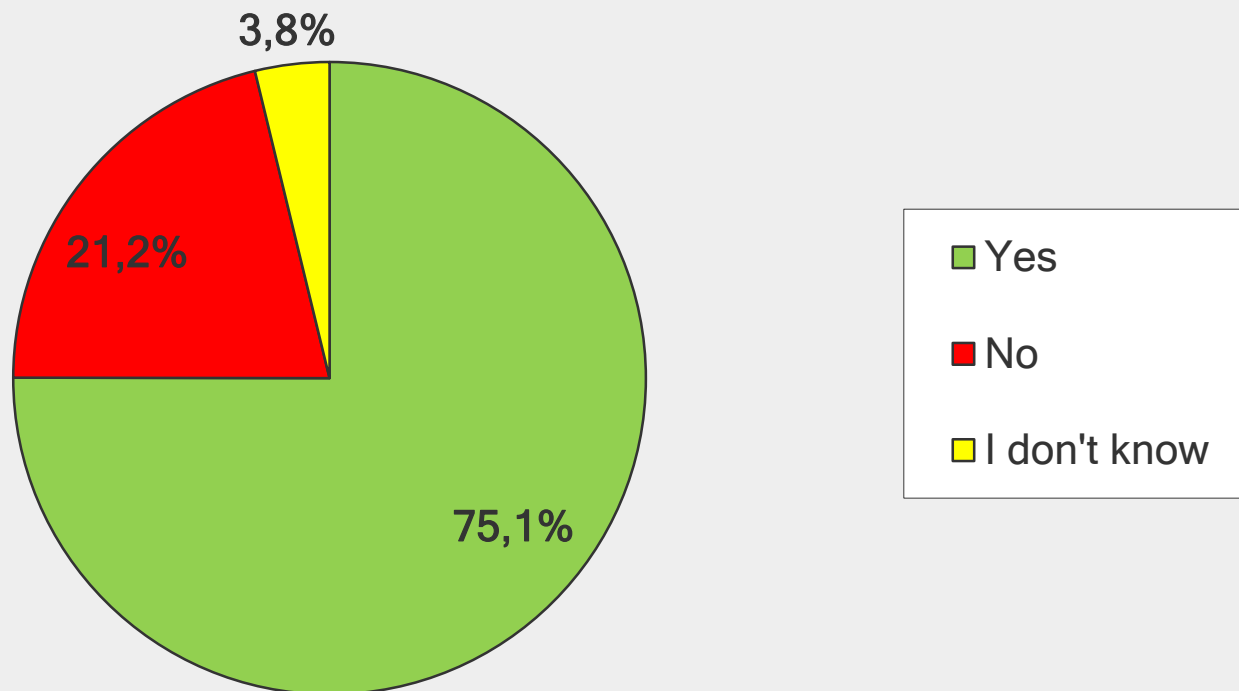Do you ever consider that a device's high levels of energy consumption should be the reason for replacing the equipment you already use?

Legend:
- Yes
- No
- I don't know

Pie chart values: 9,6%, 29,4%, 61,1%

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Monitors and computers can automatically turn themselves off after a period of inactivity. Has this option been enabled in your organisation?

- ■ Yes
- ■ No
- ■ I don't know

3,8%

21,2%

75,1%

Is there a system in your company that checks if the employees turn off their computers, printers, monitors and any other equipment when they leave their desks at the end of the day?
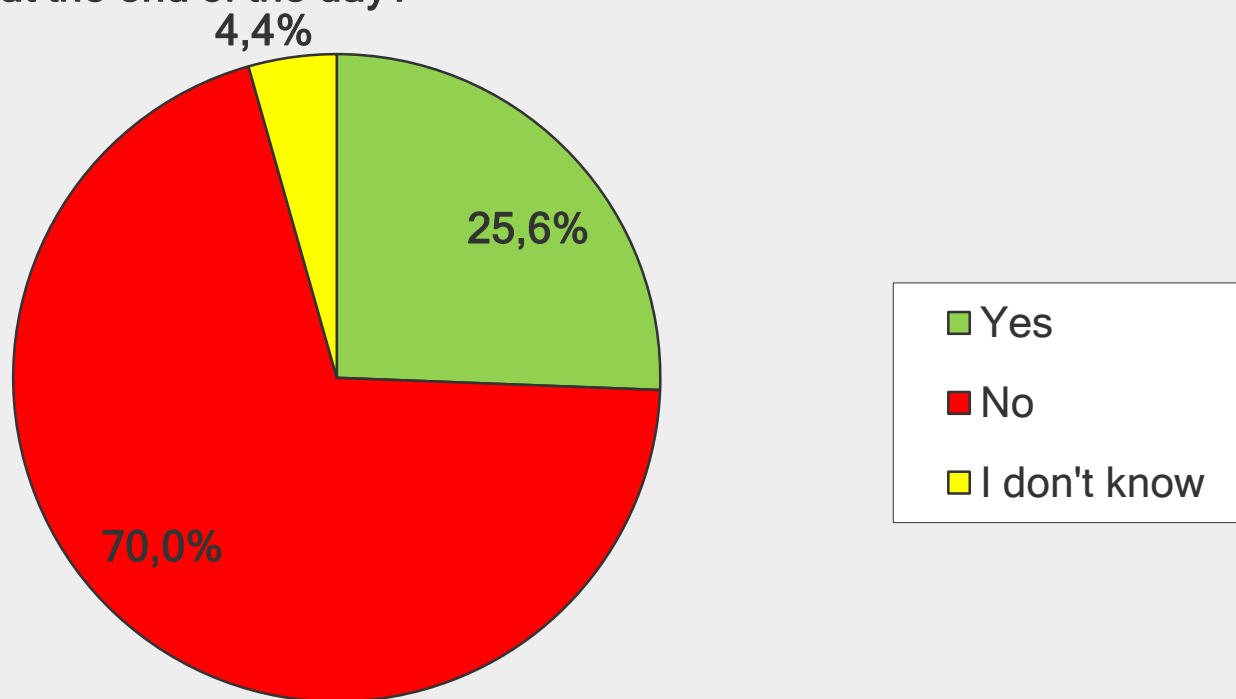

- 4,4%
- 25,6%
- 70,0%

Legend:
- Yes
- No
- I don't know

CEPIS

Is there a system in your company that checks if the employees turn off their computers, printers, monitors and any other equipment when they leave their desks at the end of the day?

- Yes — 25,6%
- No — 70,0%
- I don't know — 4,4%
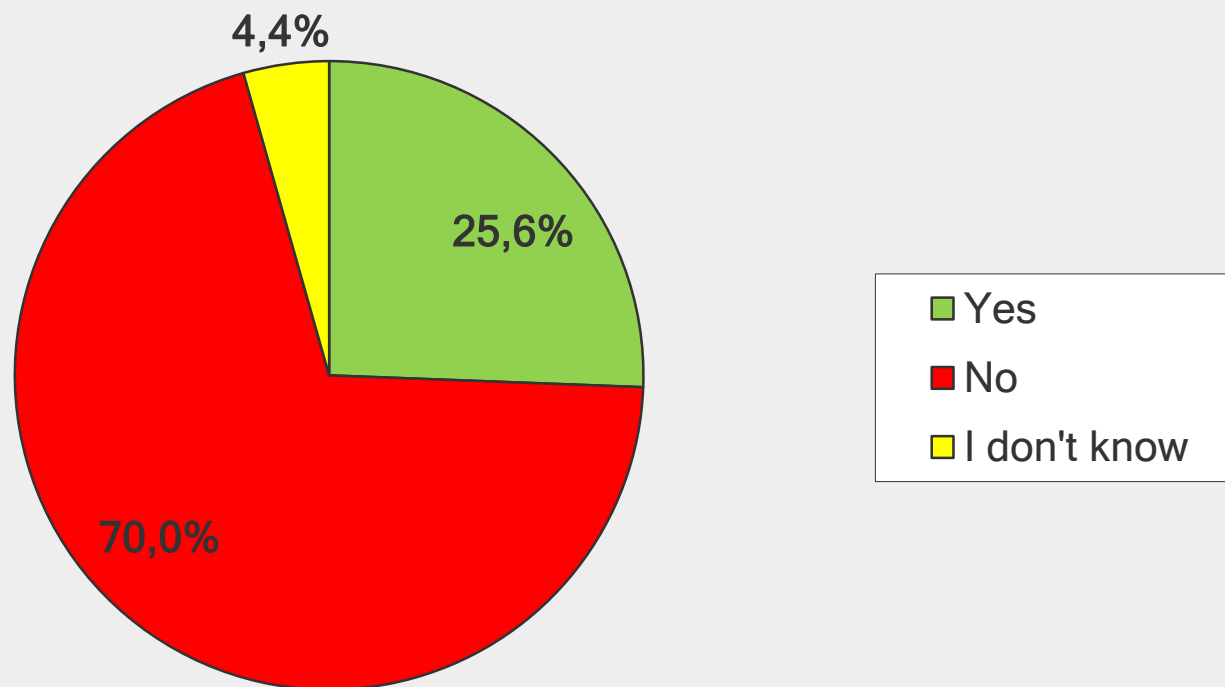
Have the computer users in your organisation been informed of/trained in energy consumption reduction procedures?

Legend:
- Yes (44,9%)
- No (45,5%)
- I don't know (9,6%)
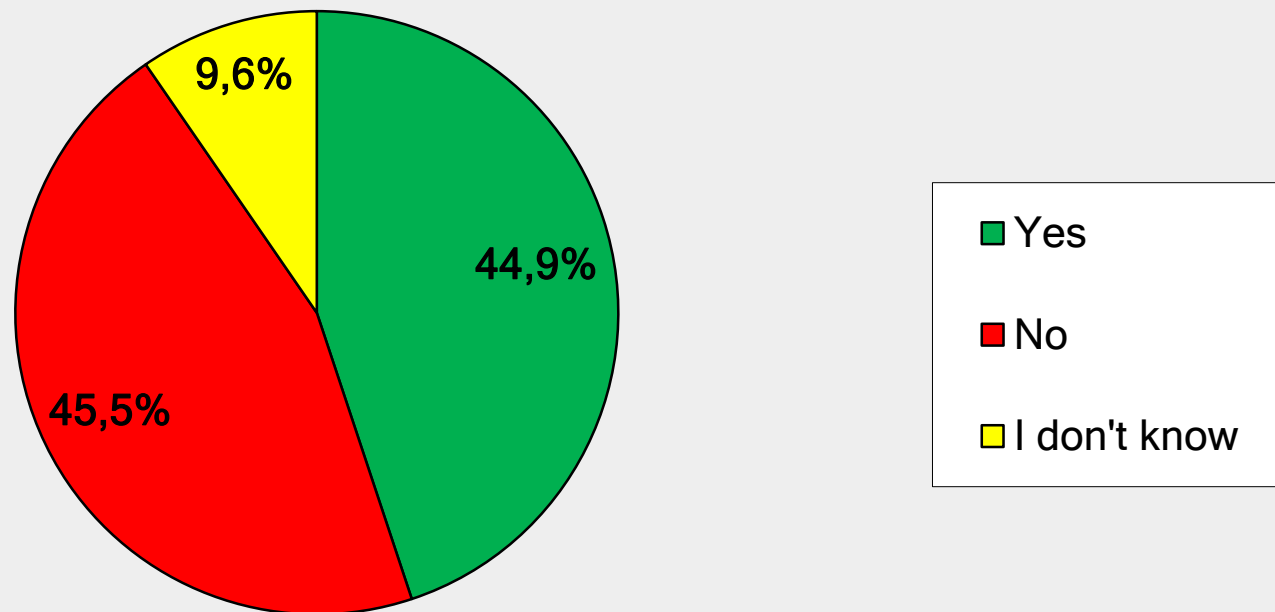
Less than 50% of employees is aware of energy consumption procedures

Question 19

Have you developed a system to monitor how employees reduce their energy consumption?

- 6,5%
- 14,7%
- 78,8%

Legend:
- Yes
- No
- I don't know
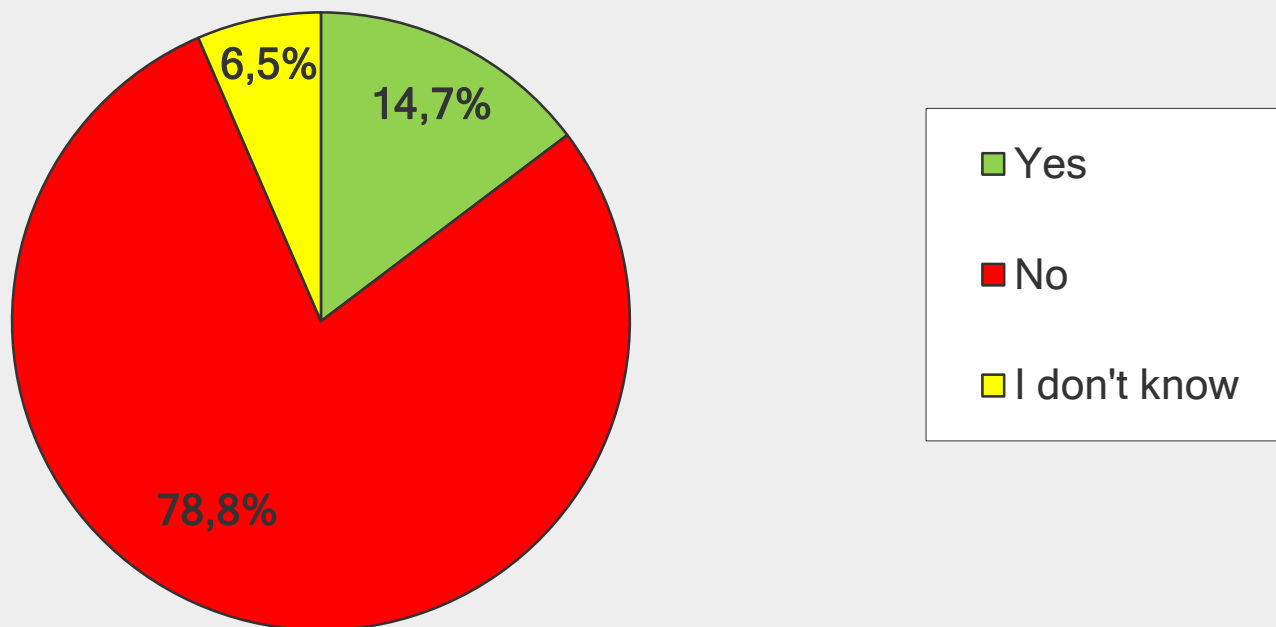
What are the results of monitoring employees' energy consumption?

- 41,7% — The consumption of energy was reduced after 3 months
- 16,7% — The consumption of energy remained at the same level
- 5,0% — The consumption of energy increased
- 36,7% — I don't know
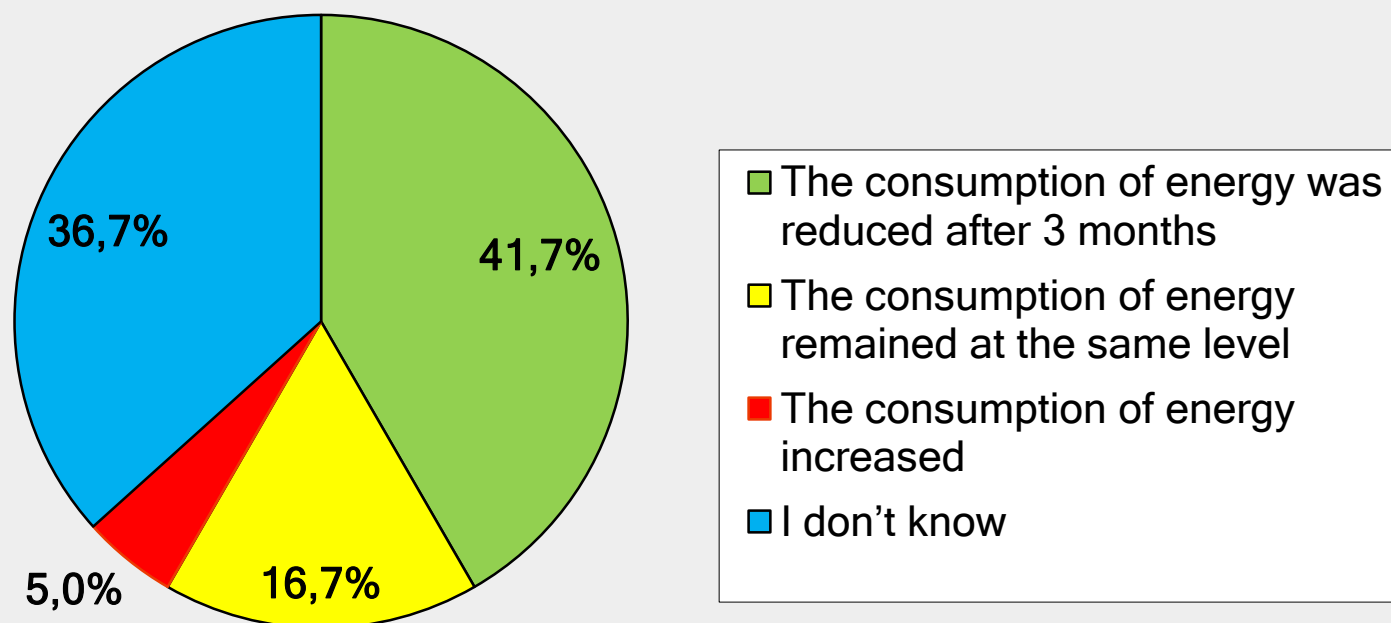
Question 21

Have you developed an energy-management monitoring system in any area of your own IT department?

- 12,3% — All of the department
- 24,9% — Just the data centre
- 62,8% — None of the above
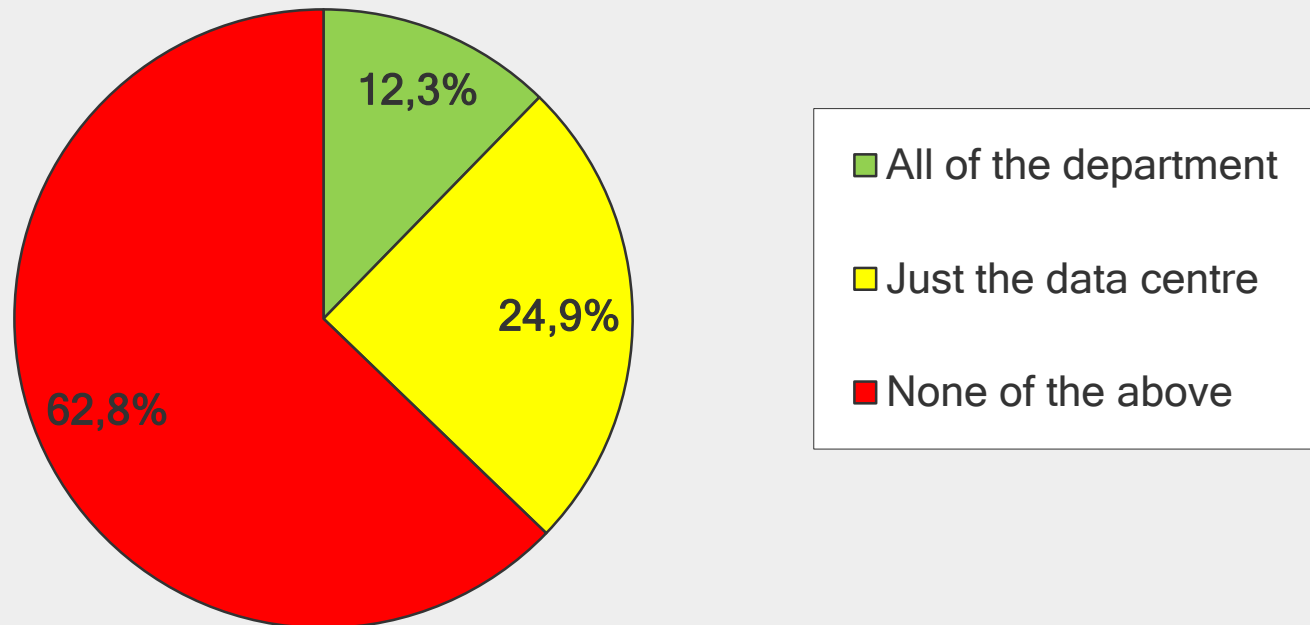
How often is energy consumption measured in your organisation?

- In real time — 11,5%
- Daily — 3,1%
- Weekly — 3,1%
- Monthly — 37,4%
- Never — 33,9%
- Other — 10,8%
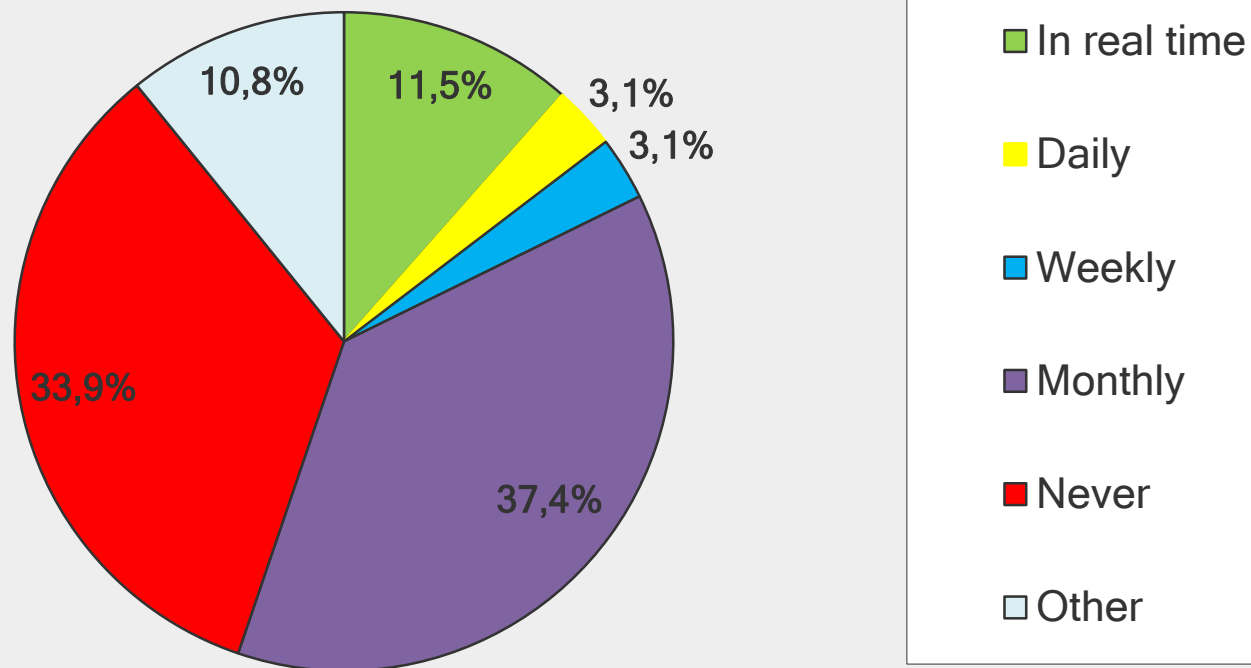
Question 23

For many people the product's energy consumption is one of the factors considered when making purchase decisions. Do you take this into account when making a purchase?

Legend:
- Yes — 61,0%
- No — 25,9%
- I don't know — 13,1%

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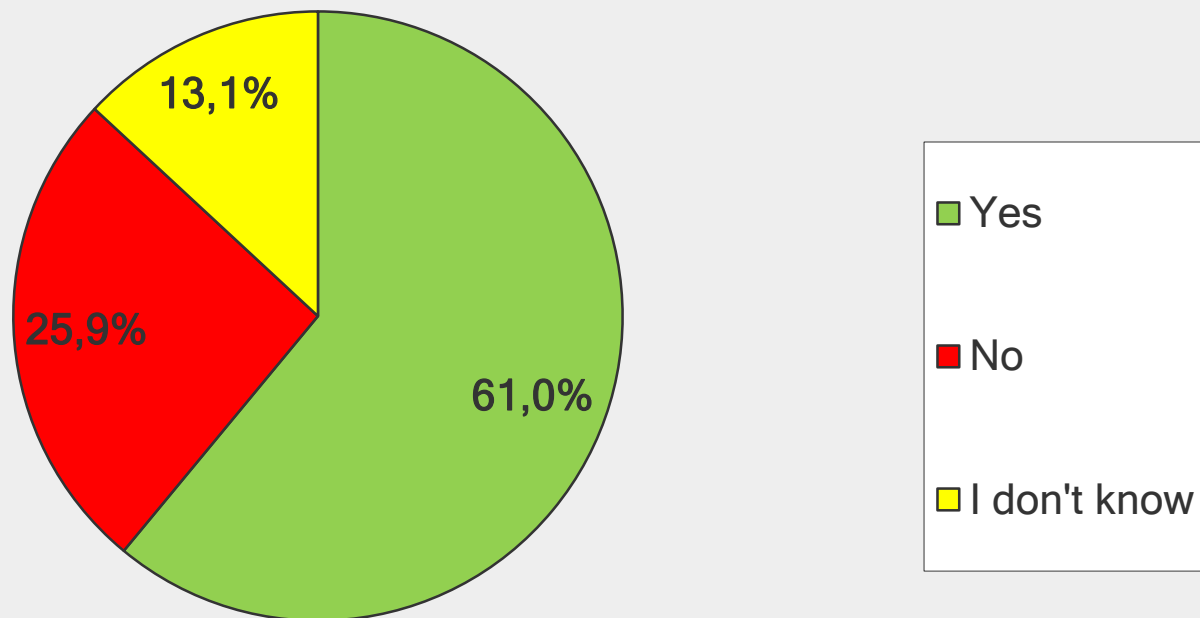
How important is knowing the level of energy consumption for you?

Legend:
- Extremely important — 19,3%
- Very important — 32,1%
- Important — 31,7%
- Somewhat important — 12,8%
- Not important — 4,1%
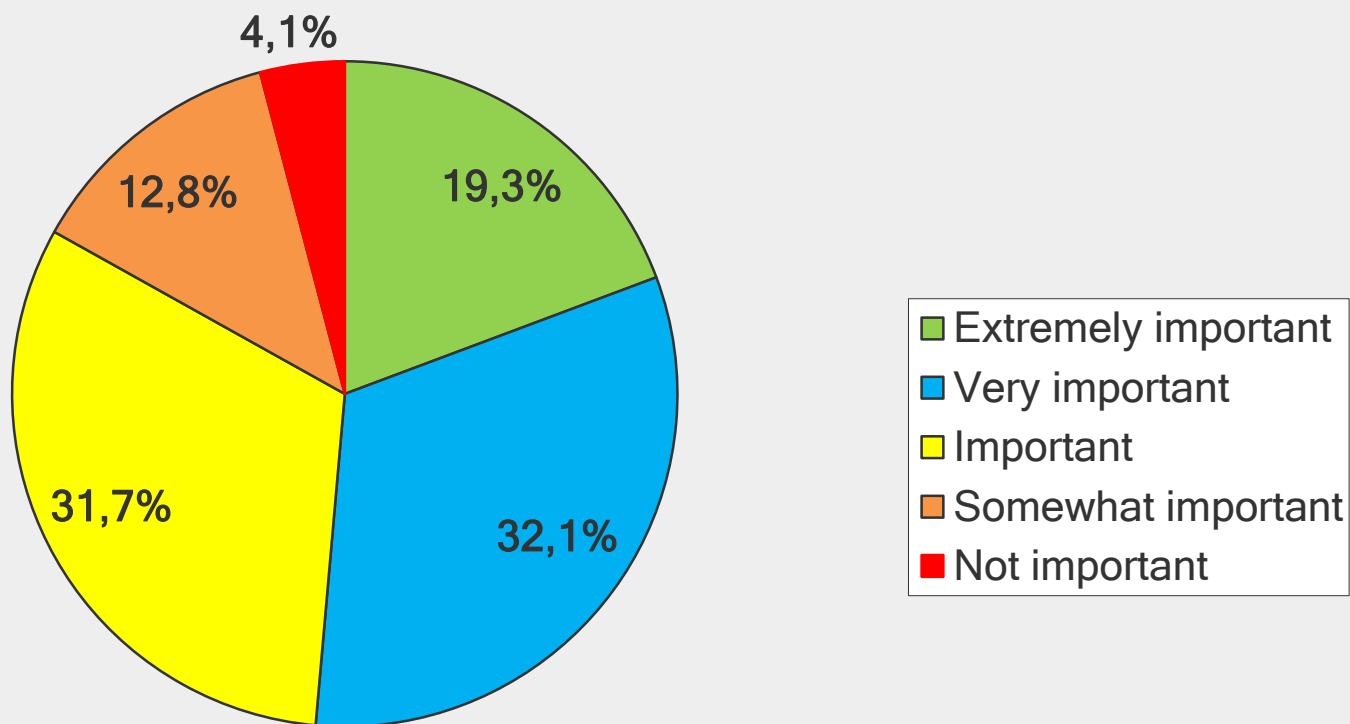
When you decide to purchase IT equipment do you take into consideration whether the product is made of recycled materials?

- Yes
- No
- I don't know

45,5%

46,2%

8,3%

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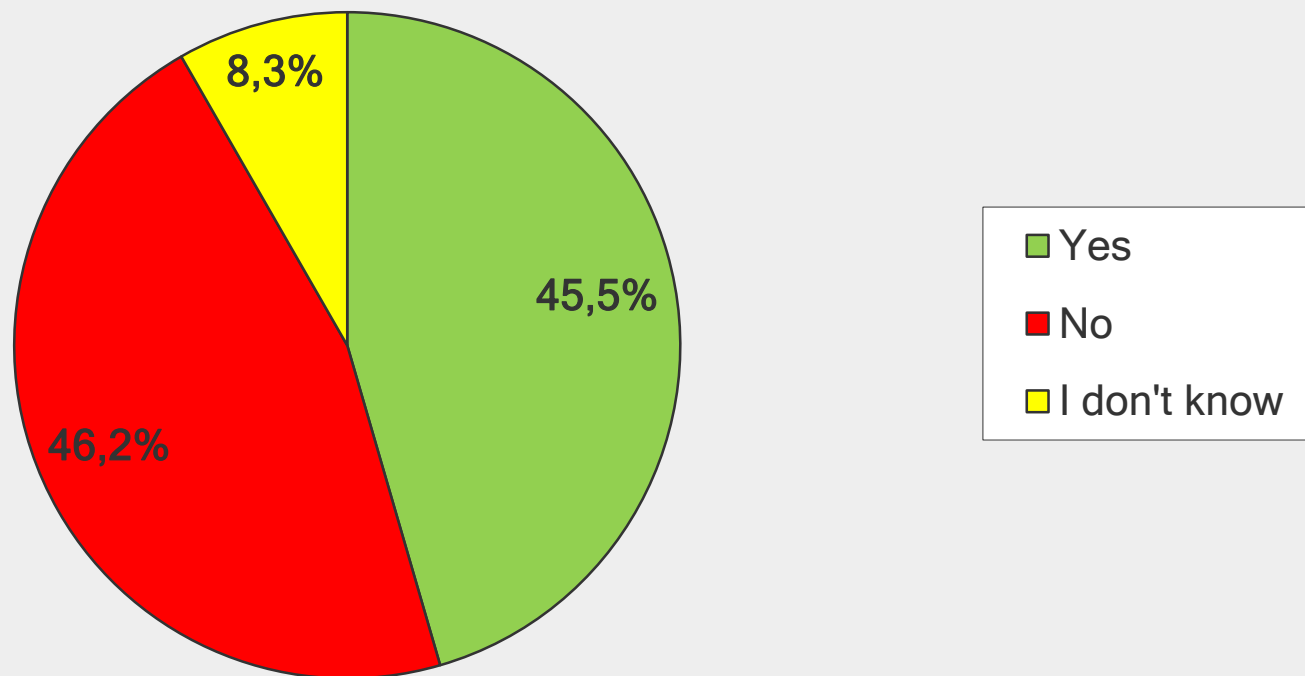
How important is this factor in buying the product?

10,8% — Extremely important
23,3% — Very important
29,9% — Important
25,0% — Somewhat important
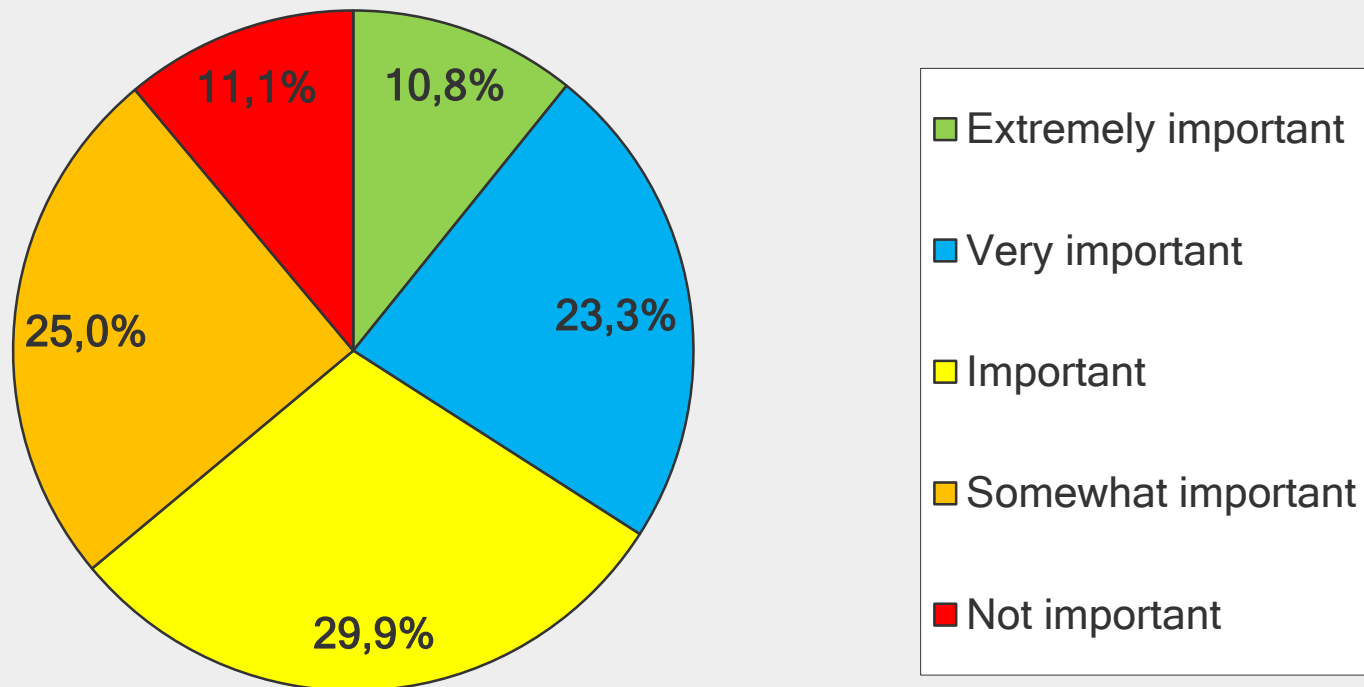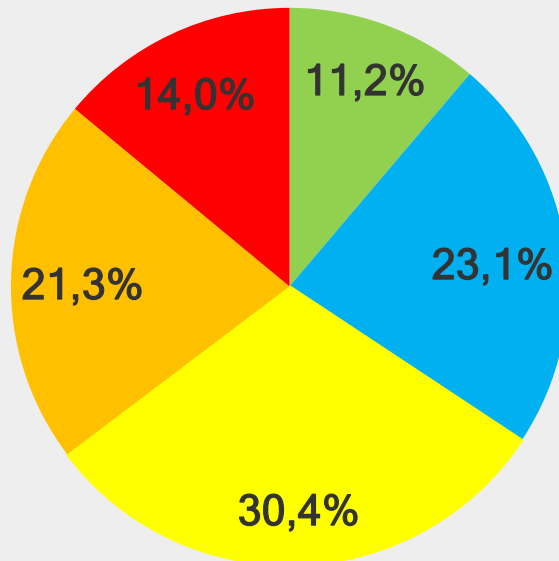11,1% — Not important

The ISO 14001 quality certificate shows when a process meets official green practice requirements. Does your organisation implement the ISO 14001 standard?

Legend:
- Yes — 11,5%
- We intend to implement it within 6 months — 2,4%
- We intend to implement it within 12 months — 7,3%
- No — 49,3%
- I don't know — 29,5%
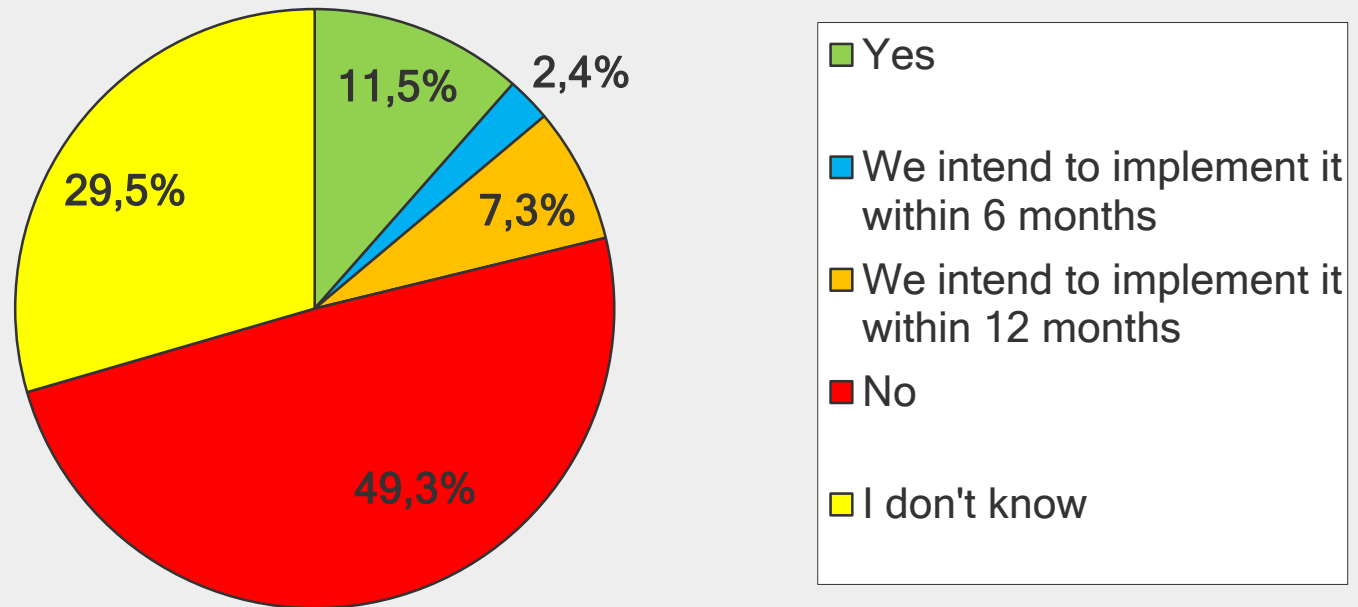
Question 28

The Green Certificate is a tradable commodity proving that certain electricity is generated using renewable energy sources. How important is the Green Certificate for choosing the best supplier?

Pie chart:
- Extremely important: 11,2%
- Very important: 23,1%
- Important: 30,4%
- Somewhat important: 21,3%
- Not important: 14,0%

Suggestions

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We need:

➢ To **position** Green ICT issues as key to the agenda of both the European Commission and the European Institutions and to participate in all relevant initiatives and events

➢ To **ensure** that ICT professionals have the required knowledge to handle the Green ICT issues and are capable of designing solutions and operating systems in accordance to the Green ICT rules

➢ To **mobilize** ICT products end users in order to change habits and to ensure that they purchase and use ICT devices which are compatible with Green criteria and, in a way, more friendly to the environment

Suggestions

➤ To **encourage** the awarding of enterprises or organizations that adopt and apply Green ICT and to **motivate** the ones that have not considered the importance of IT yet

➤ To **promote** the good practices on Green ICT by adopting a Green ICT certification

➤ To **enhance** the engagement of the Government and decision makers for the dissemination of the Green ICT practices

Thank you!