



Planning a sustainable – “green” hotel



Sections of the survey

01 Energy Management

Recording, measuring and using of energy consumed by hotels, as well as investments for RES and energy saving.

02 Water Resources Management

Sources of water consumed by hotels, recording and measuring of consumption, investments to save water resources.

03 Liquid Waste Management

Liquid waste management, existence and connection to central sewerage system or biological treatment plant, investments to improve liquid waste management.

04 Waste Management

Recycling, investments and/or funding for investments in recycling actions.

05 Certifications and Funding

Certifications for environment, energy, sustainability. Funding and obstacles for investments regarding hotel sustainability.

06 Spatial Multivariate Analysis

Conclusions on the current situation in hotels versus potential / desirable, if necessary resources were available.

Survey Identity



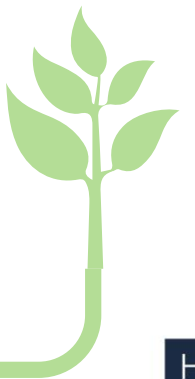
The survey was implemented the period from 20 August to 8 September 2020.



A representative sample corresponding to 16% (1.625 hotels) of the total hotel capacity was collected.



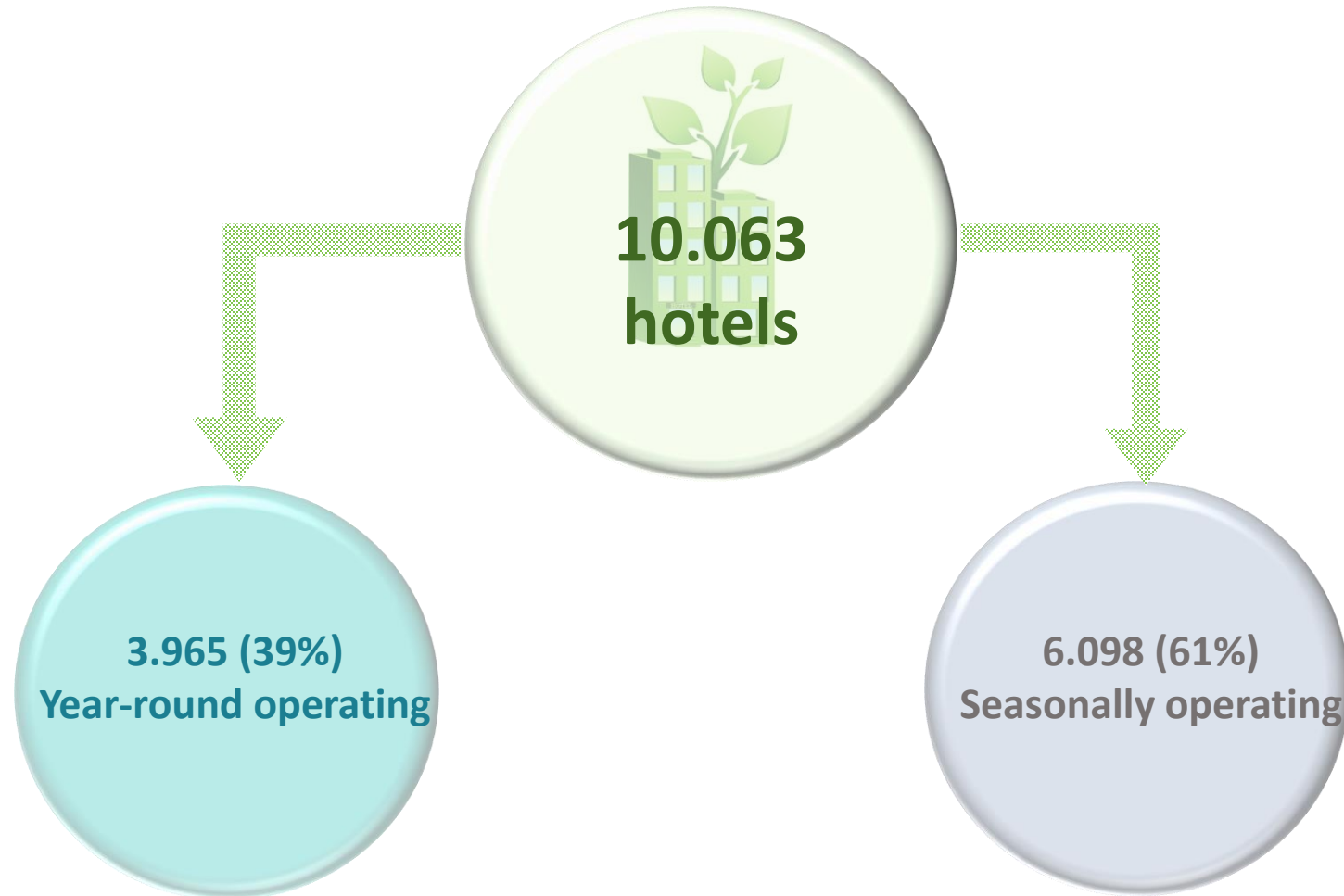
A weighted average estimation of the answers was counted in order to represent the total hotel capacity.



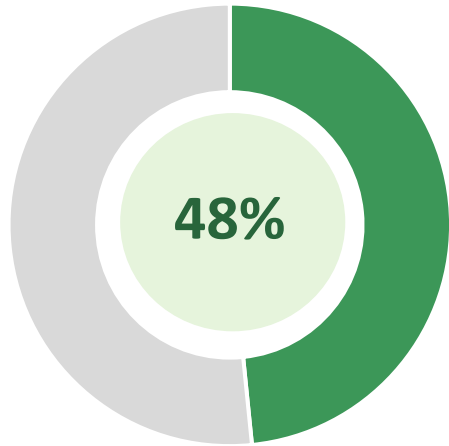


Energy Management

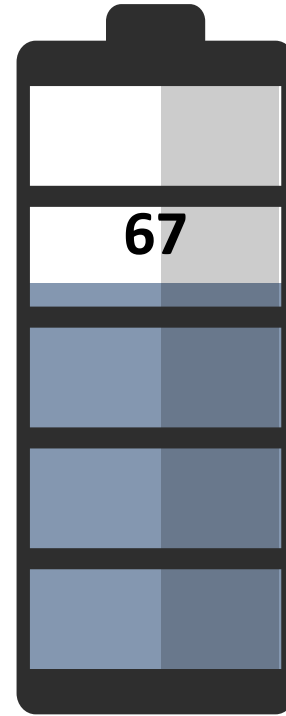
Hotel Distribution based on Hotel Operation



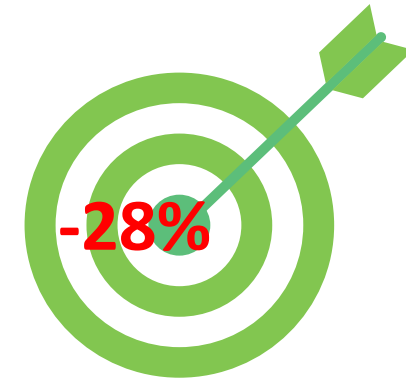
Energy consumption and reduction targets



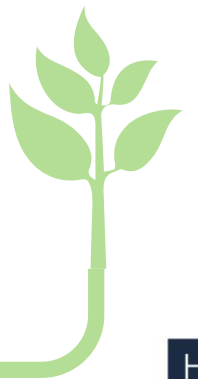
of **total** hotel units record their consumptions



67% of **total** hotel units have set a target for energy consumption reduction

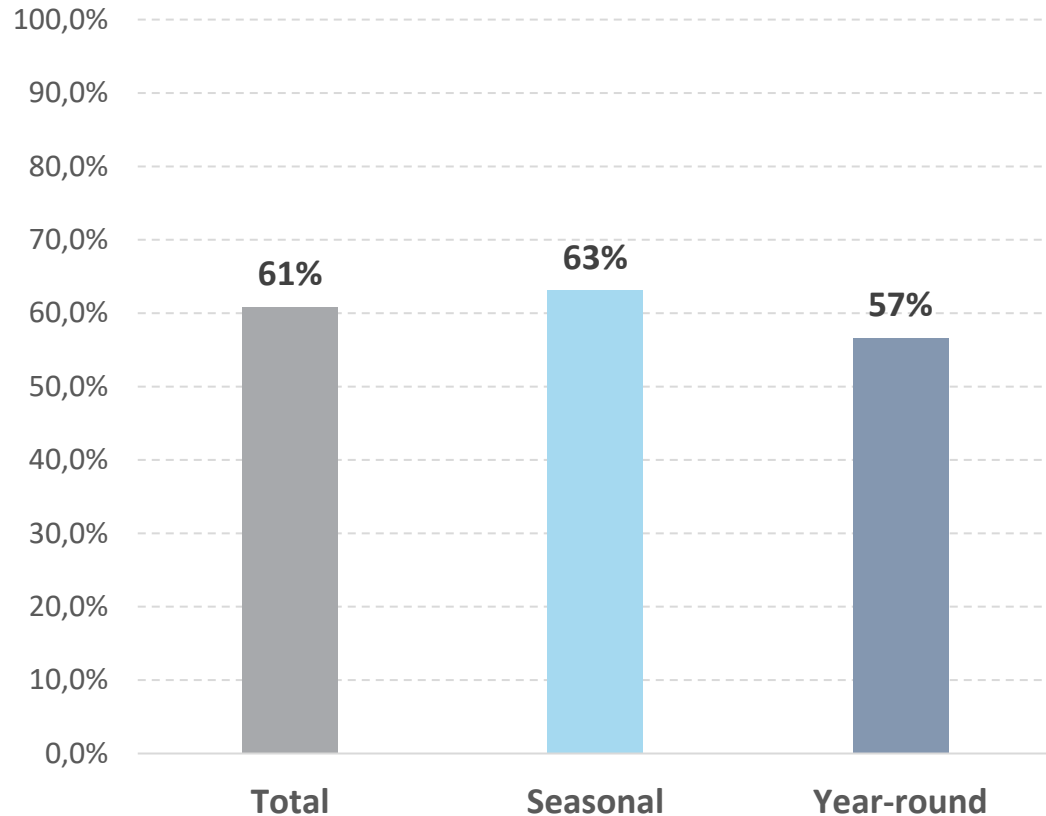


is the target for the average rate of reduction of energy consumption set by most of hotels in the country, regardless of their operation.



Investments in energy saving actions

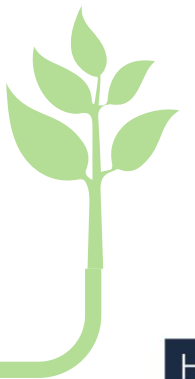
Investment in energy saving action the last 5 years



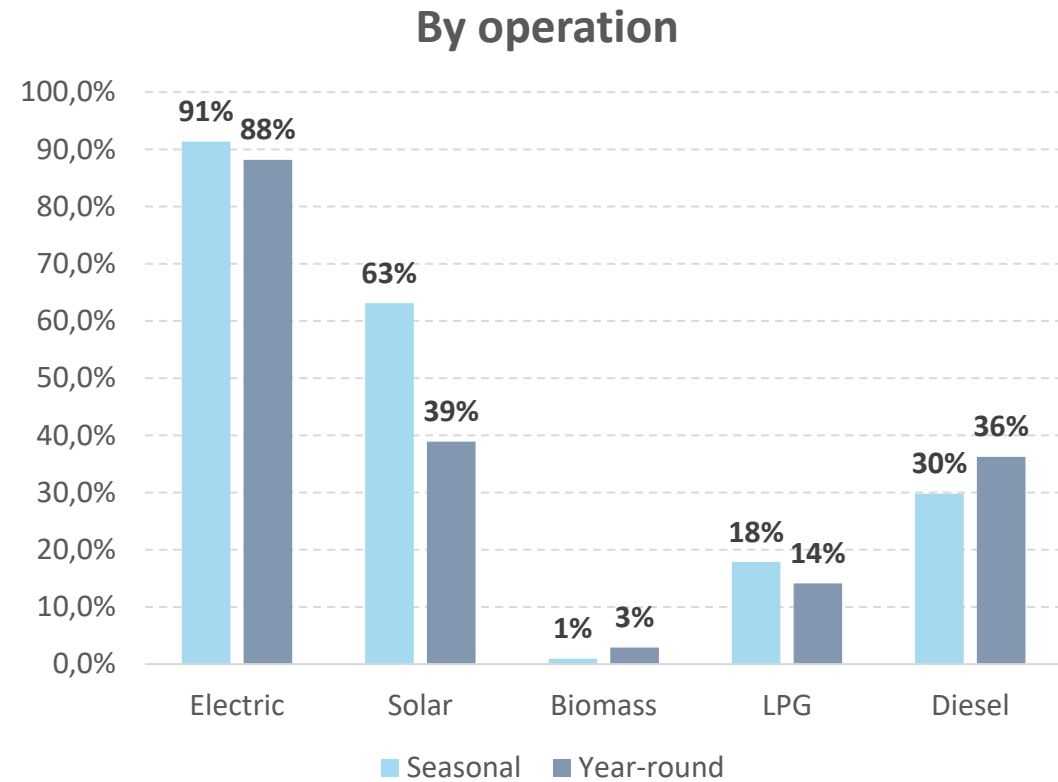
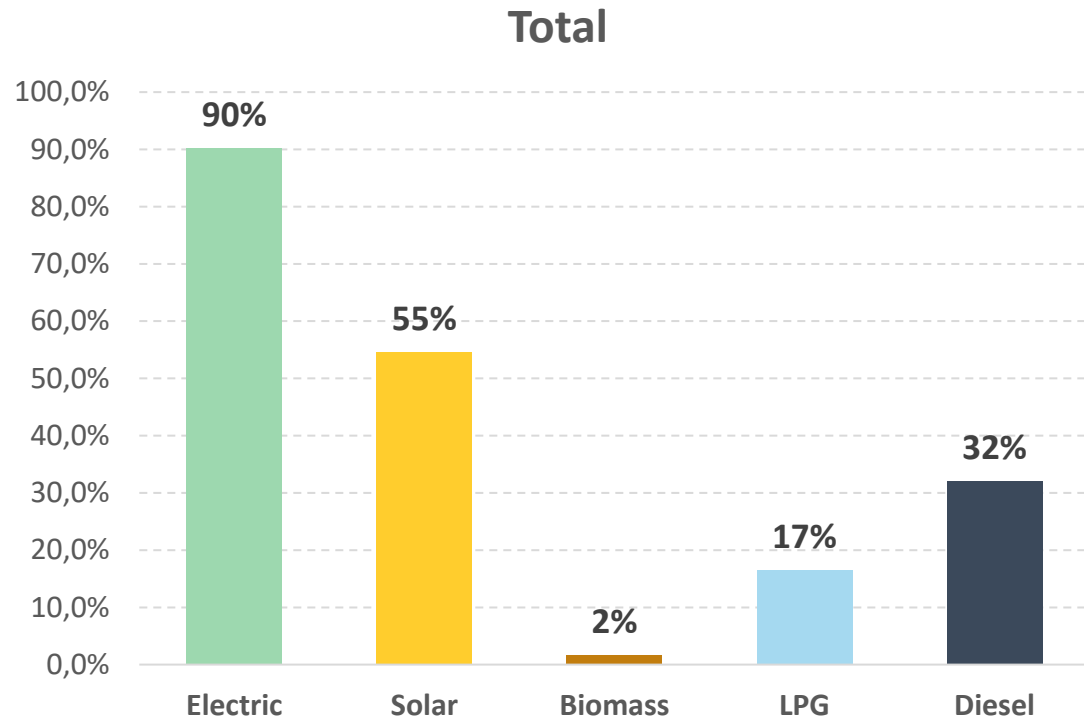
Use of the article 24 of law 4172/2013 regarding depreciation rate

From total hotel capacity only **2,5%** have used the article 24 of law 4172/2013 regarding depreciation rate.

The ratio is equally low for seasonally and year-round operating hotels (1,7% and 4,1%, respectively)

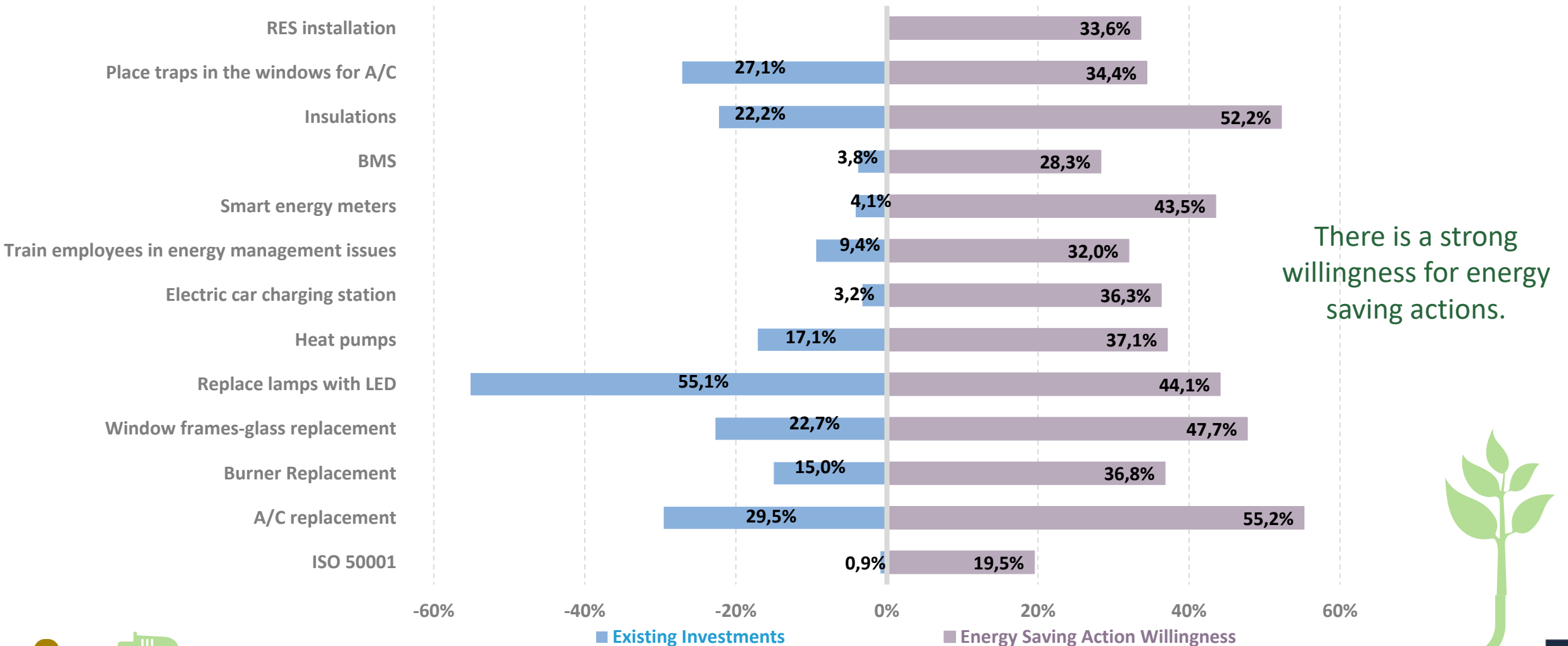


Energy type consumed by hotels (*)

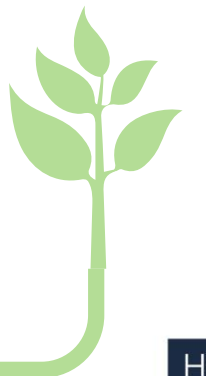


(*) A hotel can use more than one type of energy.

Existing investments in energy saving actions, compared to energy saving actions willingness, using the necessary funding



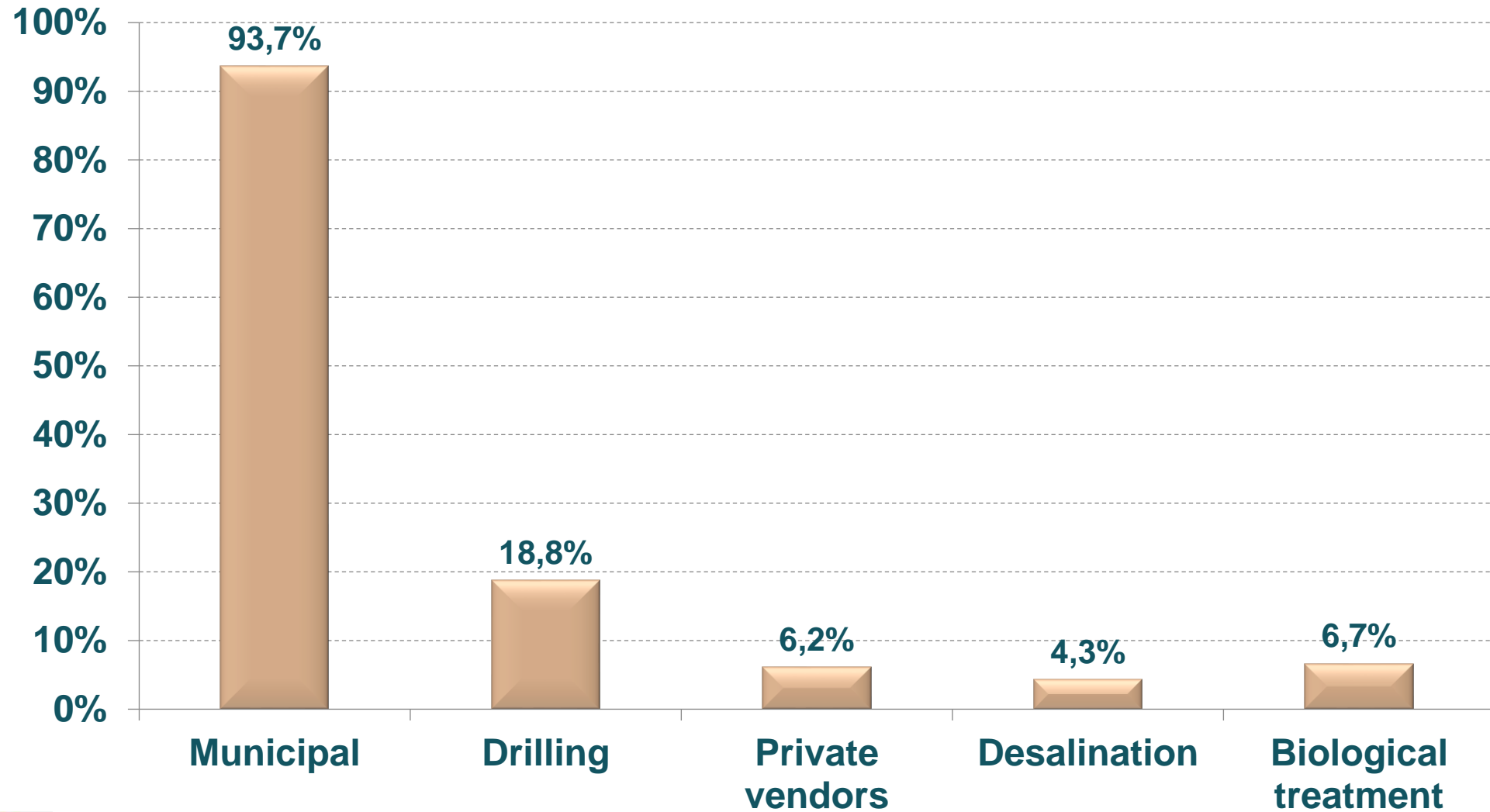
There is a strong willingness for energy saving actions.





Water Resources Management

Sources of water of hotels



Note: The ratios do not sum up to 100%, as the answers had multiple choices.



Liquid Waste Management

Water consumption record

- 62,3% of total hotel capacity, which is equal to 5.953 units, record its water consumption.
- The corresponding ratios for seasonally and year-round operating hotels are 63,7% and 59,6%.

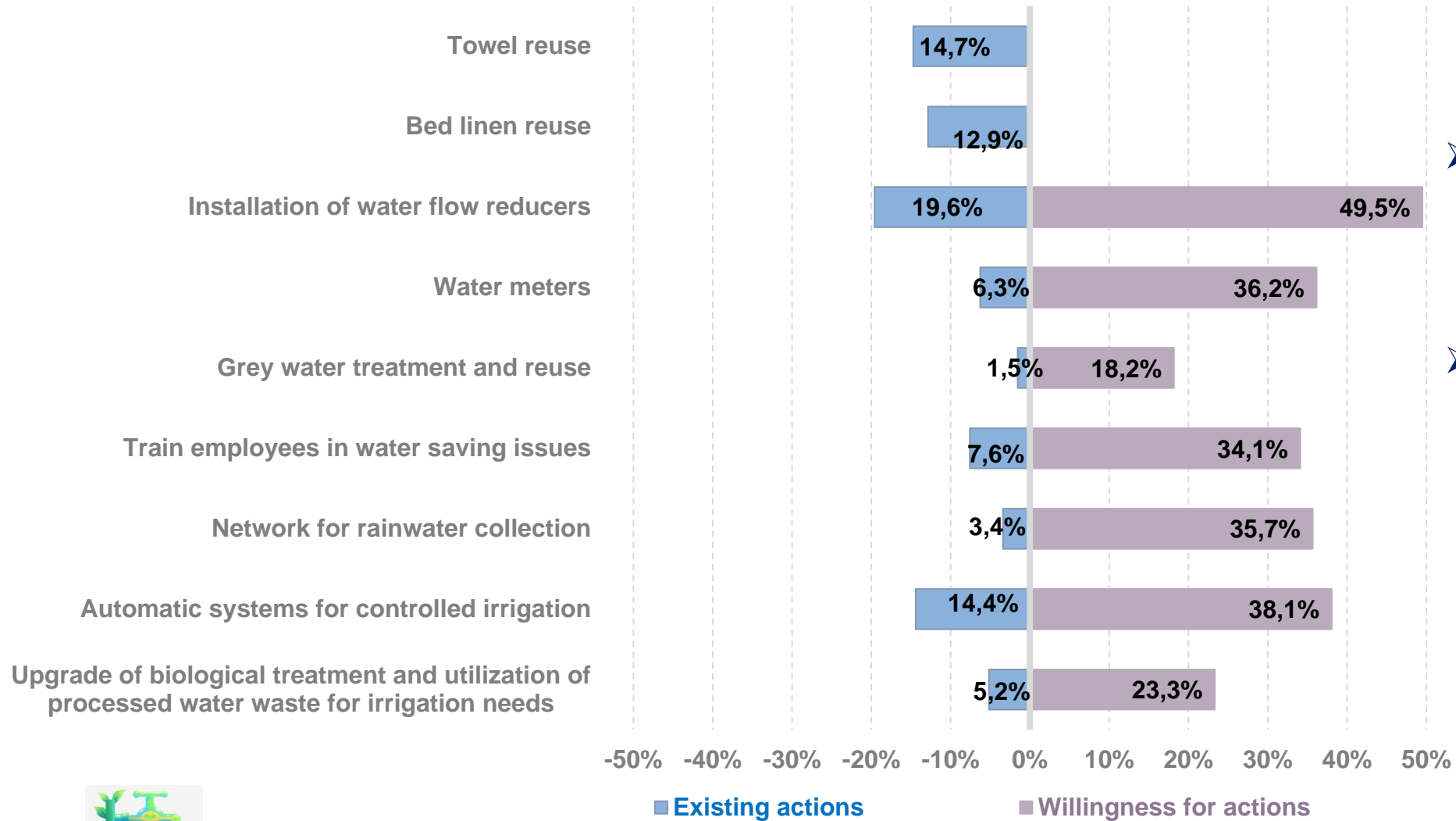


Investment in water saving actions the last 5 years

- 30,9% of total hotel capacity, which is equal to 2.954 units, have invested in water saving actions the last 5 years.
- The corresponding ratios for seasonally and year-round operating hotels are 33,4% and 26,1%.



Actions vs willingness for water saving actions, using the necessary funding



- **30,9%** of total hotel units have invested in water saving actions the last 5 years.
- The greatest interest of hoteliers is the installation of water flow reducers.

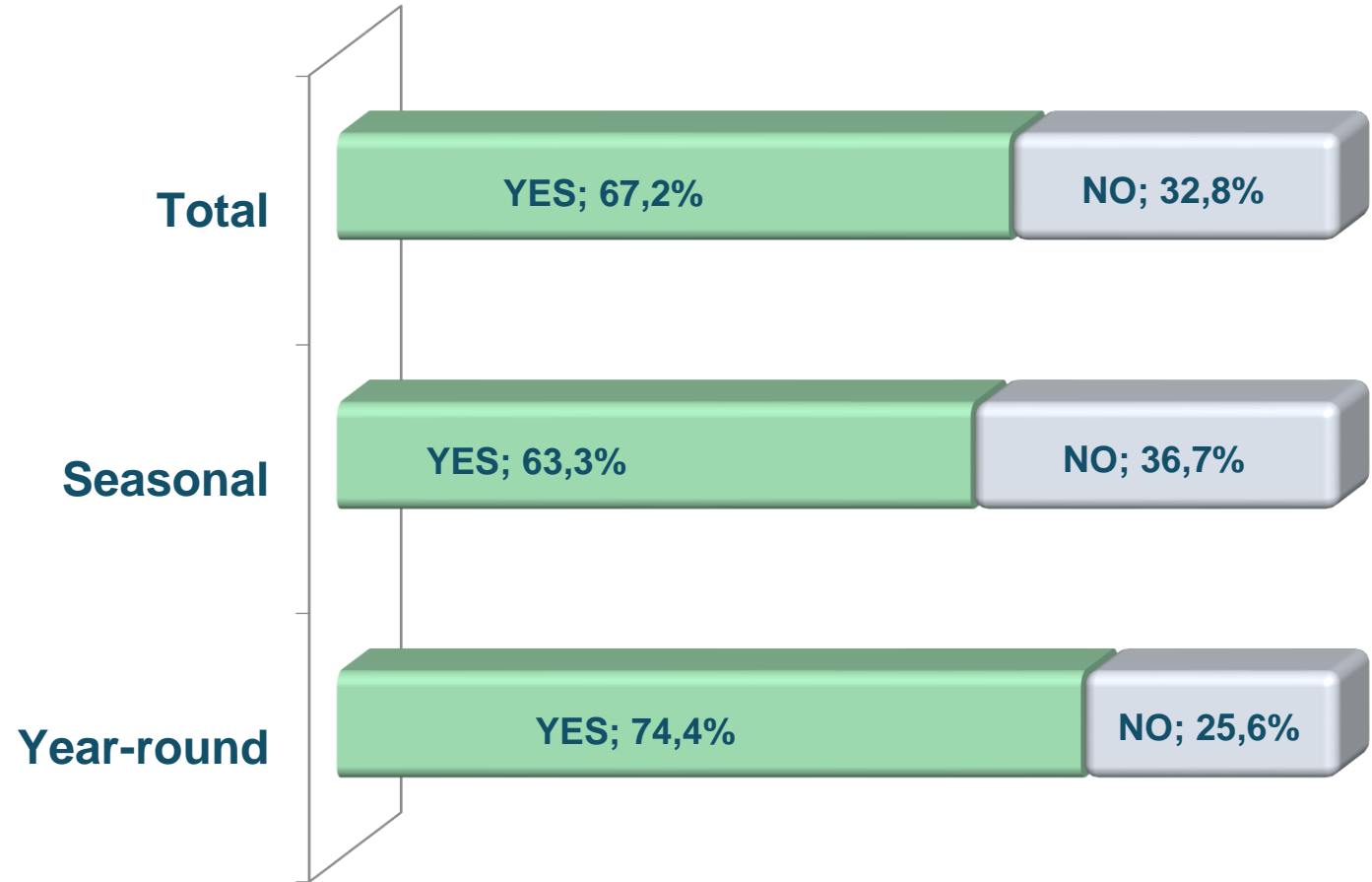




Liquid Waste Management



Connection to central sewerage system

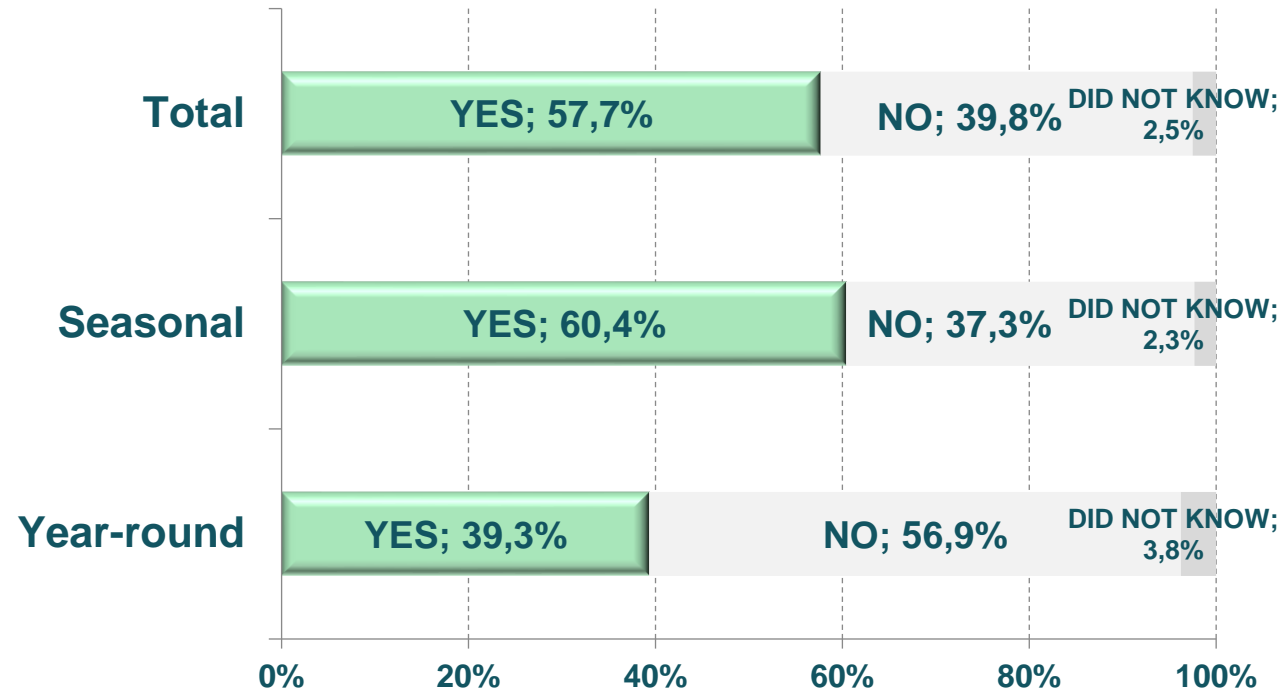




Liquid Waste Management

EXISTING CONDITION

Use of processed liquid waste for irrigation needs



HOTELS THAT ARE NOT CONNECTED TO CENTRAL SEWERAGE SYSTEM AND HAVE BIOLOGICAL TREATMENT (1.499):
Investment needs for the upgrade of the liquid waste treatment system

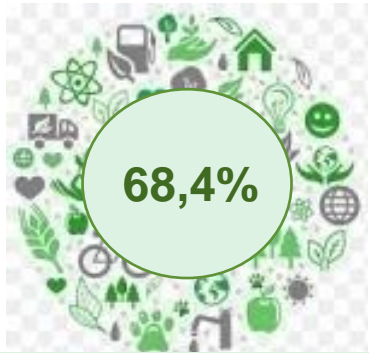
- 72,4% of hotels, equal to 1.084 units, state that they have investment needs for the upgrade of the liquid waste treatment system.
- There are no differences between the opinions of hoteliers of seasonally and year-round operating hotels.





Waste Management

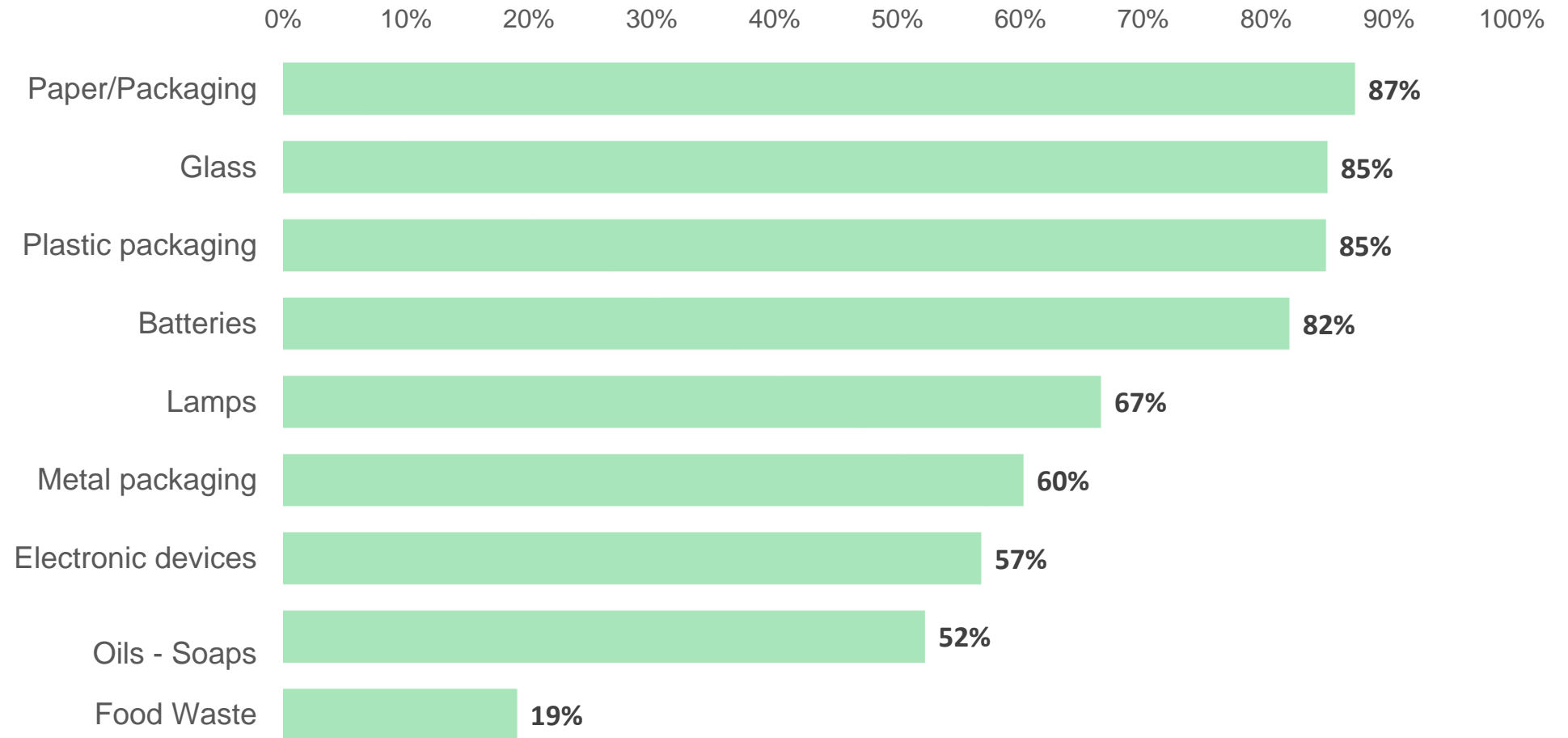
Recycling actions of hotels



68,4%

of hotels recycle

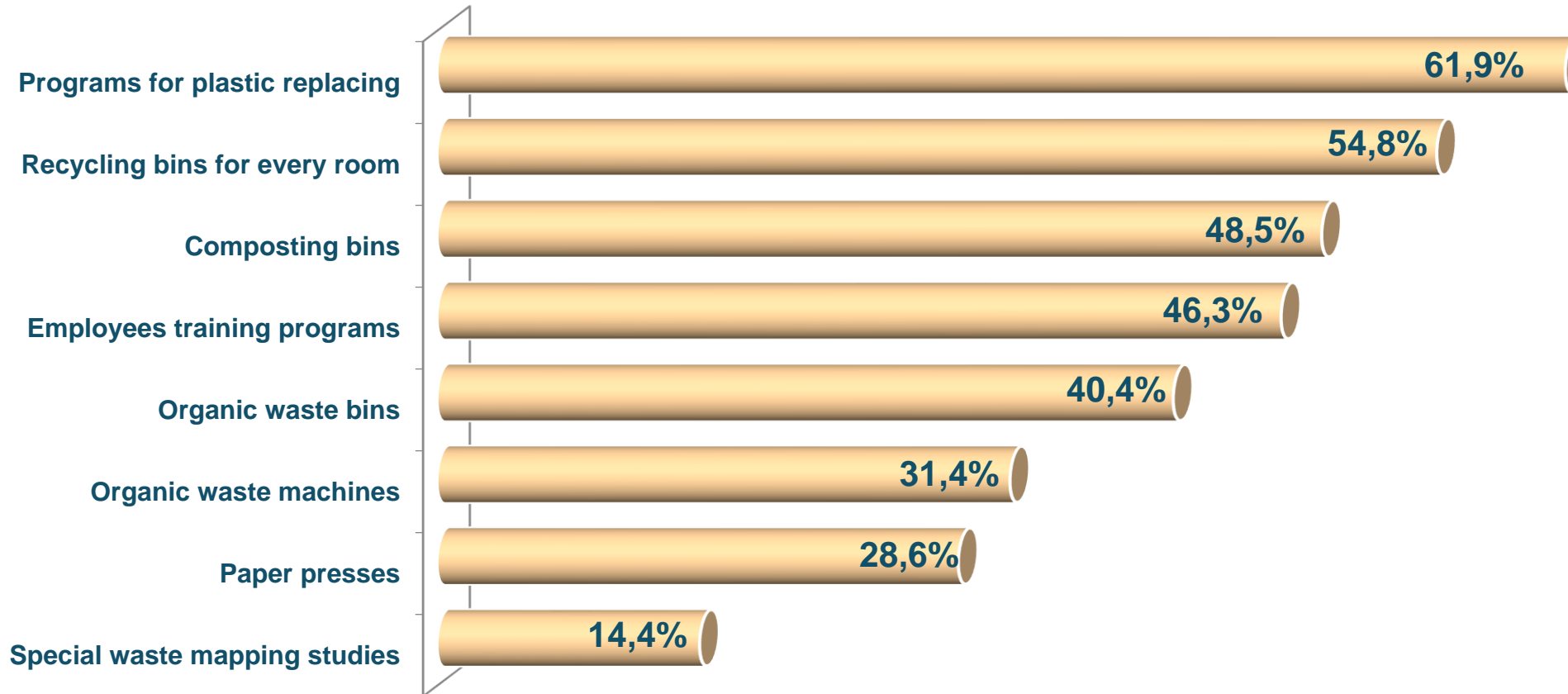
The most popular recycling actions of hotels that recycle (68,4%)





Willingness for investment in recycling equipment

From the hotels that are interested in recycling actions, **84,7%** (or 8.006 hotels) are willing to invest in recycling equipment, if there is a funding program

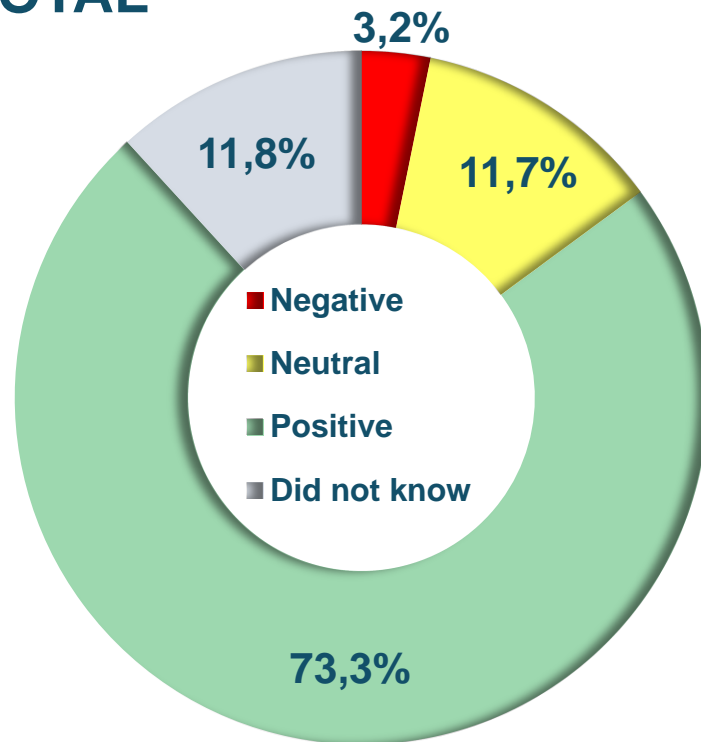


Corresponding hotel number
5.074
4.493
3.976
3.793
3.308
2.574
2.342
1.179



System "Pay as you Throw" evaluation

TOTAL



73% of hoteliers agree with the system "Pay as you throw"

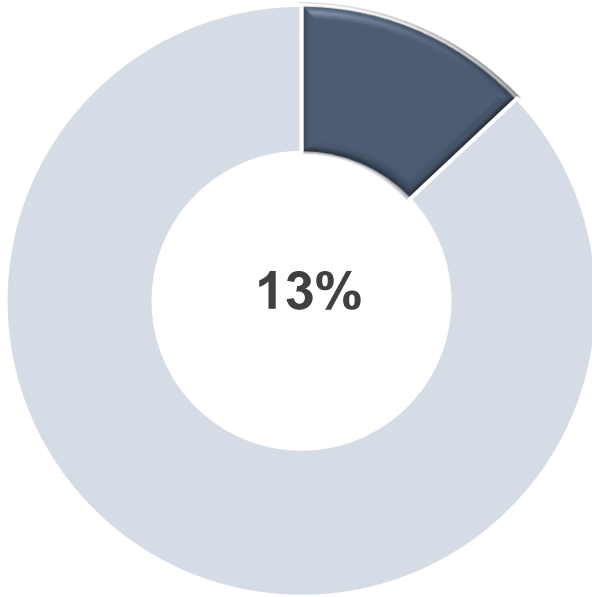




Certifications Funding

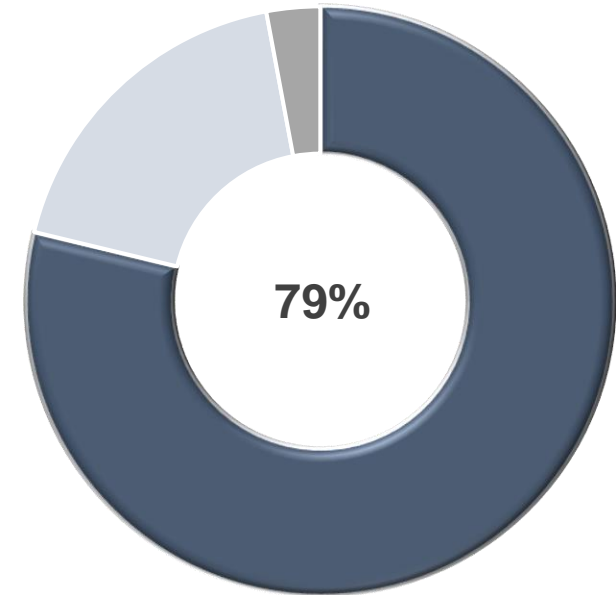


Hotel Certifications

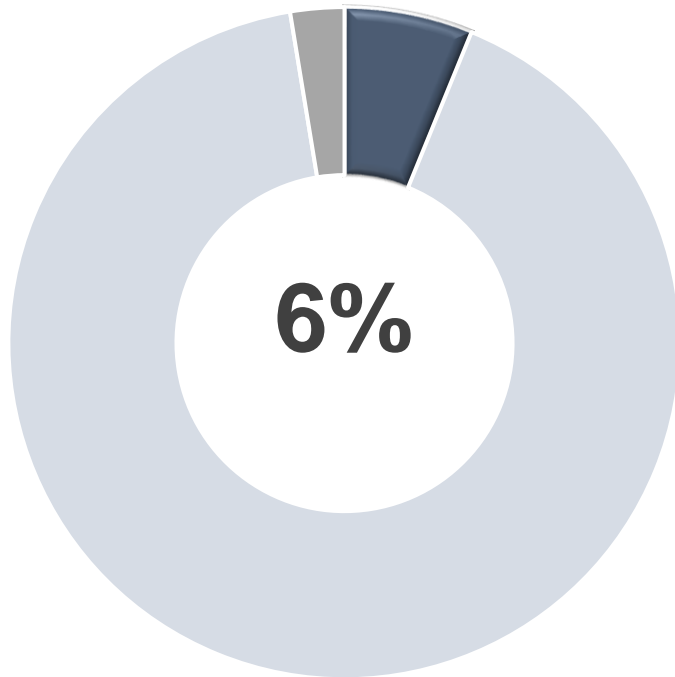


of hotels possess a certification regarding Environment – Energy – Sustainability

From the hotels that do not have any certification, **79%** are willing to acquire a certification regarding Environment – Energy – Sustainability



Use of funding programs regarding hotel sustainability in the past



Only **6%** of hotels have used funding programs regarding hotel sustainability in the past.

Hoteliers are willing to invest an average amount of **80.000 €**, given the appropriate funding programs regarding sustainability.

