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CCA

General Guidelines for Environmental Management

Since 2022, Collegio Carlo Alberto has committed to producing an annual sustainability report to monitor its consumption and the impact of its internal activities on natural resources. These sustainability reports are public and can be found at the [following link](#)

The Collegio has its own environmental policy and implements a series of actions each year to reduce negative environmental impacts, such as installing filtered tap water dispensers, eliminating single-use plastic products from catering services, shortening the timer for lights in the Collegio's spaces and on the façade, and setting limits on heating and cooling systems. All these efforts are measured through environmental performance indicators included in the sustainability report.

However, reducing negative environmental impacts requires the collaboration of all personnel involved in the Collegio's activities. Below is a brief description of actions that residents can take to help mitigate environmental impact.

Reducing CO2 Emissions

Italy is responsible for 0.9% of the annual global CO2 emissions from fossil fuel use, making it the 4th largest European emitter and 18th globally (IEA, 2023). The most responsible sectors are transport (31.7%) and energy (30.1%). For this reason, at Collegio Carlo Alberto, we must work together to reduce energy consumption and adopt sustainable transport methods.

1. Reducing Energy Consumption

In 2022, domestic consumption accounted for 25.8% of the final energy consumption in Europe (Eurostat, 2024). Of this, 64.1% was due to heating and cooling systems, 14.9% to water heating, and 13.9% to lighting and electronics.

Therefore, each of us can:

- (1) turn off power outlets or disconnect electronic devices when not in use and check that everything is turned off before leaving the room at the end of activities;
- (2) avoid opening windows if the heating/cooling system is running;
- (3) reduce water temperature when washing hands, using only cold water whenever possible.

The office temperature can be adjusted through the control panel by clicking on the thermometer icon and raising or lowering the temperature relative to the reference value. If the temperature is already above the reference value, the system will not be activated.

1. Sustainable Mobility

In 2021, the transport sector in Italy was responsible for 29.7% of final energy consumption ([IEA, 2023](#)). In 2022, Collegio Carlo Alberto conducted an internal analysis to identify the main means of transport used by staff. It was found that 84.2% of residents in Turin commute to the office using sustainable modes of transport, such as bicycles or public transport, while 50% of those residing in other locations use private transport, combined with public transport (33.3%) or not (16.7%).

To increase the adoption of sustainable means of transport, everyone is encouraged to use low environmental impact transport to reach the Collegio, opting for bicycles or public transport. To facilitate this, Collegio Carlo Alberto has provided a bicycle room where bikes can be safely stored inside the building. Additionally, bicycle parking spaces are available right outside the entrance.

2. Reducing Water Consumption

Italy is the third European country in terms of water resource availability but also the country with the highest per capita consumption of potable water ([Eurispes, 2023](#)). Individual tap water consumption amounts to 220 liters per day, compared to the European average of 123 liters.

To reduce water consumption within the Collegio Carlo Alberto building, everyone is asked to avoid water waste. For example, it is estimated that turning off bathroom taps when not in use saves between 1 and 2 liters of water each time hands are washed ([The National, 2020](#)).

3. Waste Reducing

Italy ranks as the third European country in terms of total annual waste production ([ISPRA, 2023](#)). In 2022, the recycling rate reached 65.2%, meeting the 65% target set for 2012 with a 10-year delay, and only 29% of the waste produced, excluding organic waste, is recovered. These figures highlight the need to further reduce waste production and consider recycling only as a last resort.

Collegio Carlo Alberto thus asks all residents to follow the “3 Rs” framework: Reduce, Reuse, and finally Recycle.

In particular, everyone can:

(1) print documents in “double-sided” mode, set as the default option;

(2) be mindful of the amount of paper used for hand drying, reducing it when possible;

(3) bring their own mug to enjoy the daily coffee break offered by the Collegio without using disposable cups (students are reminded that lockers for personal items can be requested from the office).

Lastly, all personnel are asked to sort waste correctly, following the guidelines provided by the Municipality of Turin, detailed in Annex I and indicated on signs within the Collegio.

The Collegio has set up a measuring station with a scale and a procedure to monitor the weight in kg of the different types of waste produced directly by CCA and during its events.

4. Continuous Improvement

All staff are encouraged to promote continuous improvement in environmental management through feedback and suggestions sent via email to sustainability@carloalberto.org. Everyone is encouraged to report environmental non-compliance and suggest modifications or additions deemed useful for improving company management.

To this end, an internal coordination group on environmental activities has been established at the Collegio, composed of students, staff, and researchers. They can be contacted at team.sostenibilita@carloalberto.org.

Annex I

PAPER AND CARDBOARD

WHAT TO DISPOSE OF: paper, Tetra Pak, paper cups, paper packaging, clean tissues.

WHAT NOT TO DISPOSE OF: receipts, heavily soiled packaging, waxed paper, adhesive tape.

PLASTIC

WHAT TO DISPOSE OF: bottles, disposable plastic cups, blister packs, packaging and dispensers, protective films and removable wraps, goods transport materials, non-compostable bags.

WHAT NOT TO DISPOSE OF: other types of plastic that are not packaging such as basins, jars, folders, DVDs and USB drives, gloves, masks, stationery (pens, markers, highlighters, rulers), keyboards, and mice.

ORGANIC

WHAT TO DISPOSE OF: food, tea and herbal tea bags, coffee grounds, flowers, compostable bags, and other compostable items (look for the OK COMPOST label or the UNI EN 13432 standard), compostable cups, and compostable coffee stirrers.

WHAT NOT TO DISPOSE OF: paper cups, plastic cups.

CANS AND GLASS should be disposed of in the appropriate containers located in Piazza Arbarello, in front of the entrance to Collegio Carlo Alberto.