



So less is good? No, it's *better*!

# TOWARDS ENERGY CONSERVATION

Together, let's reduce energy consumption at UNIL.

*Unil*

UNIL | Université de Lausanne

Unibat - service  
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## WHY THIS LEAFLET?

### UNIL'S ENERGY STRATEGY

The energy conservation measures introduced on campus are the result of long-term thinking and represent an important step towards achieving UNIL's objectives for 2037 (see box below). UNIL has earmarked over 50 million francs to invest in renovating its infrastructure and improving the performance of its technical facilities between 2015 and 2030. The efforts made over the last eight years have already reduced electricity consumption by 13% and energy used for heating by 11%.

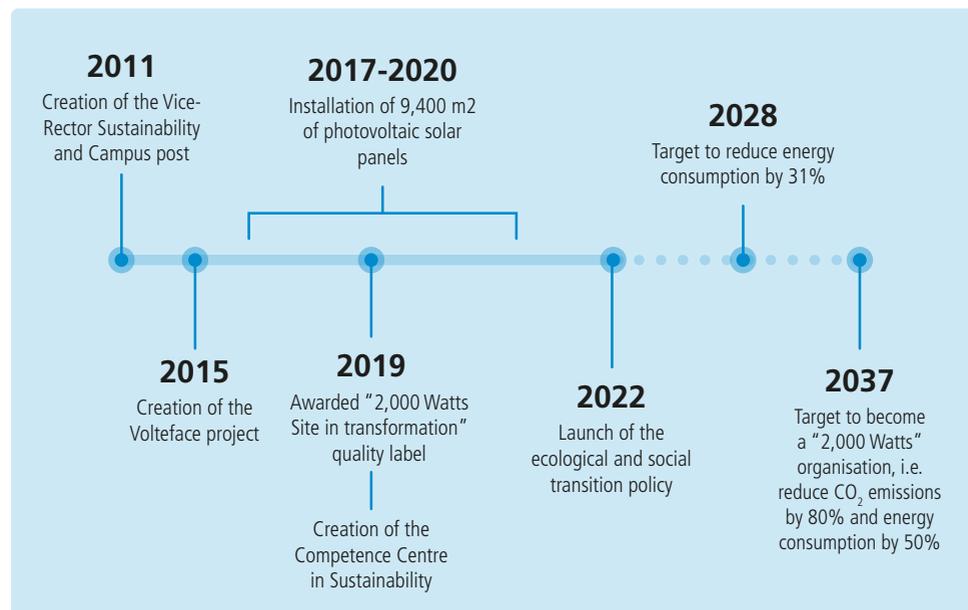
### CURRENT SITUATION

The current geopolitical issues linked to the war in Ukraine and various problems associated with Swiss and European power generation facilities indicate that energy

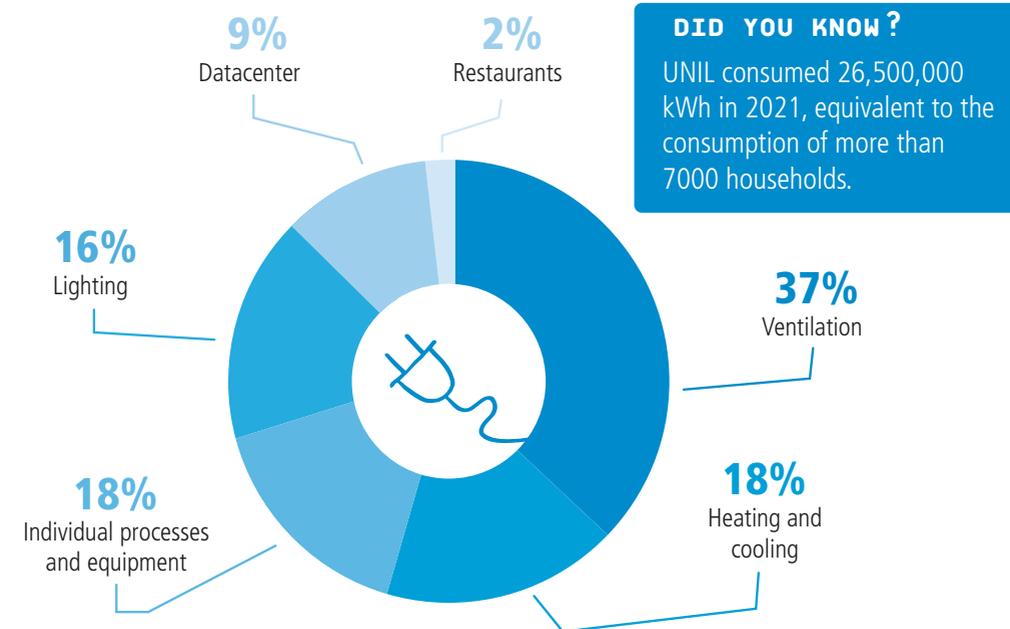
shortages cannot be excluded.

The Swiss Confederation has implemented a plan called **OSTRAL** to use every possible means to avoid the country's economy being paralysed by a lack of power. The plan aims to ensure that electricity reserves will be adequate, as well as requiring the implementation of significant energy savings.

This will have a notable impact on UNIL, which is a large energy consumer. We need to respond now to a critical situation and introduce new measures to reduce energy consumption at UNIL to avoid activating the crisis plan. The university community needs to take action, not only to avoid power cuts but also around reducing its long-term consumption.



## HOW DOES UNIL CONSUME ELECTRICITY?



### DID YOU KNOW?

UNIL consumed 26,500,000 kWh in 2021, equivalent to the consumption of more than 7000 households.

### IMPLEMENTING AN EXPERIMENTAL PROCESS

This is a crisis situation in which UNIL has an important role to play, namely by responding to a tense societal situation and setting an example for the university community.

But how can it achieve these aims? By introducing energy conservation measures, the campus is transforming itself into an experimental laboratory: the perfect opportunity to try out new ideas and learn how to improve its energy management

over the long term.

The university community can also get involved and contribute to this energy conservation drive. Let's tackle the challenge and take part in the experiment together!

This leaflet lists and describes some of the measures implemented by UNIL. It also shows what each of us can do at an individual level, why we need to change our habits and above all, **how we can get there together.**

### UNIL IS LISTENING

Energy conservation must not create more vulnerabilities. If the measures described in this guide would represent an obstacle to a secure, accessible study or working environment in your situation, please contact us at: [energie@unil.ch](mailto:energie@unil.ch).

# HEATING

## DID YOU KNOW?

In spring 2022, the UNIL Rectorate decided to reduce the heating in all buildings by **2°C**.



### WHAT UNIL IS DOING

#### Heating buildings

The 2°C reduction in all buildings is being maintained.

#### Hot water

Hot water is being cut off in washbasins and showers where it is not needed. However, hot water at the University Sports Center (CSU) is being maintained.

**The CSU buildings are equipped with solar thermal panels.**

#### Blinds

Where possible - depending on the building - the settings for blinds are being adjusted to provide as much sunlight as possible and conserve heat at night.

### WHAT WE, THE UNIVERSITY COMMUNITY, CAN DO

#### Dress warmly

##### but why?

Because wearing your nicest sweaters means keeping warm with style. Let's always have warm clothes at hand.

#### Wash your hands in cold water

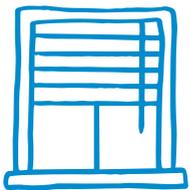
##### but why?

Because cold water cleans just as well as hot, as long as you rub with soap.

#### Make the most of daylight

##### but why?

Working under natural light is more pleasant. So let's open the blinds and get inspired by looking at the sight.



#### SMALL TIP !

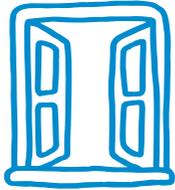
Warm up from the inside with a hot drink !

# VENTILATION

## WHAT UNIL IS DOING

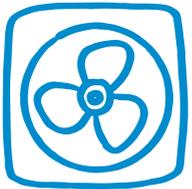
### DID YOU KNOW?

Ventilation accounts for **37%** of UNIL's energy consumption.



### Natural ventilation

Mechanical ventilation is being stopped in favour of manual ventilation where there are opening windows.



### Only ventilate rooms that are in use

Where rooms need additional ventilation, it is only turned on when the room has been booked.

## WHAT WE, THE UNIVERSITY COMMUNITY, CAN DO

### Open windows wide

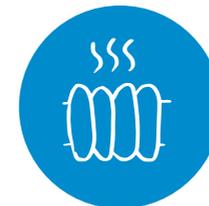
#### but why?

Ventilating for five minutes at least twice a day replenishes the air in the room without cooling it.

### Only book rooms for the times they are needed

#### but why?

The rooms and auditorium also breathe! They are ventilated according to the reservation schedule. Let's book them at the right size for the time slots we need.



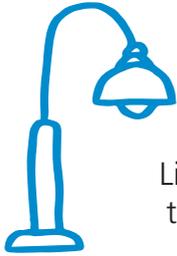
### SMALL TIP!

A window that is half-open all day long does not provide effective ventilation but still wastes energy.

# LIGHTING

## DID YOU KNOW?

You can be walked back to your vehicle or to the public transport stations by a security officer by calling **021 692 2000**.



## WHAT UNIL IS DOING

### Outdoor lighting

Lighting is being turned off across the campus from 23.30 to 06.00.



### Indoor lighting

Corridor lighting in buildings is being rationalised by reducing the number of light sources.



### Individual lights

Standing lamps with motion sensors are being adjusted for optimal efficiency.

## WHAT WE, THE UNIVERSITY COMMUNITY, CAN DO

### Support biodiversity

#### but why?

Less light pollution is also an opportunity to respect the nature and the animals life on the campus. A pocket torch is also useful for finding your way if you work at night.

### Make the most of natural light

#### but why?

Reducing the amount of time when artificial lighting is needed is also better for our eyes.

### Off — on — off

#### but why?

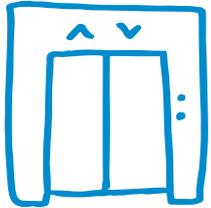
We can improve how we manage our individual lighting and remember to turn off all standing lamps before we leave a room.



## SMALL TIP!

Bats and fireflies love the darkness, let's take this opportunity to admire them.

## WHAT UNIL IS DOING



### Reduce the number of lifts

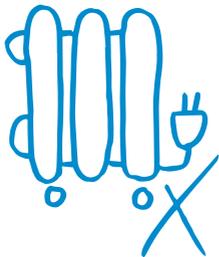
A majority of the lifts are gradually being decommissioned. A number will continue to operate in each building to ensure accessibility for all.

**Lifts that are still working will be explicitly marked.**



### Turning off screens

Information screens in common areas are being turned off. Essential information can be found on the UNIL website.



### Banning back-up heaters

These non-essential, energy-intensive devices are not permitted at UNIL.

## WHAT WE, THE UNIVERSITY COMMUNITY, CAN DO

### Take the stairs

#### but why?

If we're physically able to, taking the stairs warms us up by getting our blood circulating and really boosts our step counter!

### Switch off the power

#### but why?

Appliances on standby, or even turned off, consume energy.

### Stop using individual electrical devices

#### but why?

Taking a few steps to reach the common facilities allow to shift perspective and encourage exchanges.



#### SMALL TIP!

Unplugging is better! It also extends the life of our appliances.



**energie@unil.ch**

If you would like to ask a question or suggest a way of reducing energy consumption, please contact [energie@unil.ch](mailto:energie@unil.ch).

### **Want to know more about energy sufficiency?**

Un cycle de conférences sur la sobriété énergétique sera organisé par le Centre de compétences en durabilité.

This leaflet is one more step along the energy conservation path. There will be further communications to let you know about the impact of our shared efforts and future measures.

*This brochure was produced in partnership with the Competence Centre in Sustainability and the Canopée Project team*

*Graphic design : Suzanne Weber*

Want to find out more ?



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