



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO

## The University of Milan and Sustainability

A greeting from the Rector .....	2
Introduction .....	3



### Projects

MINERVA 2030 La Statale and sustainable development .....	4
CITTÀ STUDI Campus Sostenibile ( <i>Sustainable Campus</i> ) .....	6



### Programmes

ENERGY The trigeneration plant at Città Studi .....	9
WATER .....	13
WASTE .....	15
MOBILITY .....	19
WELFARE and personal wellbeing .....	22
DISABILITY and SLD .....	25
LA STATALE IN THE NETWORKS for sustainable development .....	27

*The University of Milan has accepted the 2030 Agenda challenge: striving for environmental, economic, and social sustainability (through targeted projects and initiatives) over the next decade, the University aims to shift the cultural paradigm. A call to action has been sent out, first and foremost, to those universities like ours which offer a multidisciplinary approach, a top-notch education, and leadership in research.*

*These efforts include mass distribution of reusable canteens to all students and staff, the installation of water-distribution kiosks on campus, optimising on-campus recycling, launching innovative energy-savings solutions, and investing in the wellbeing and healthy lifestyle of everyone in our university communities, just to name a few. These tactics are part of an overall sustainability goal which has now been incorporated into our 2020-2022 Three-Year Strategic Plan.*

*Our journey has only just begun, but I have no doubt that by aiming for a shared goal, even the toughest job will be something quite sustainable.*

*Elio Franzini*  
Rector of the University of Milan



***T**he University of Milan is working towards the 17 Sustainable Development Goals (SDGs), set as part of the UN's 2030 Agenda, with a series of projects, programmes, and initiatives to promote balanced and sustainable lifestyles, and sustainable growth.*

***W**ater, waste, energy, mobility, welfare, and personal wellbeing, disability accommodations, and gender politics are areas in which the University has taken a leadership stance over the past few years, whether spearheading its own projects, or as a partner to community-based or national and international efforts.*

***F**rom the "Città Studi Campus Sostenibile" Project, in partnership with the Politecnico di Milano (Milan Polytechnic), to membership in the ISCN and RUS, and all the way to the "Minerva 2030: La Statale and Sustainable Development" project, the University of Milan has worked to become a cultural engine for sustainability, both for the university and the community at large.*



---

# Projects

## **MINERVA 2030**

*La Statale and sustainable development*





UNIVERSITÀ  
DEGLI STUDI  
DI MILANO

*Contact person*  
**Stefano Bocchi**  
*Campus Deputy for the  
Minerva 2030 Project*

The “Minerva 2030 Project: La Statale and Sustainable Development”, which launched in October 2018, brings together the University of Milan's efforts thus far in pursuit of the 17 Sustainable Development Goals (SDGs) set by the UN as part of its 2030 Agenda. The goal is to build, along with the broader university community, a bona fide culture of sustainability.

Through the Minerva 2030 Project, the University has

identified both ideas and persons to invest in, and with whom to build more wide-ranging and proactive buy-in for the 17 SDGs.

Through the Minerva 2030 Project, the University has been taking an active part in both national and international groups and networks on issues of sustainability, in close collaboration with other universities, entities, associations, and organisations.



---

Projects

# CITTÀ STUDI

*Campus Sostenibile (Sustainable Campus)*





## CITTÀ STUDI CAMPUS SOSTENIBILE

The Città Studi Campus Sostenibile (Sustainable Campus - "CSSC") is the joint project launched by the University of Milan and the Politecnico di Milano (Milan Polytechnic) in 2011 to turn Città Studi (the historic university quarter, where the two main Milanese campuses are situated) into a laboratory on sustainable development which will be a beacon for the entire city.

Broken down into six themed roundtables on as many topics

of discussion – People, Energy, Education, Mobility, City and Food and Health – the project intends to implement a set of best practices with the goal of improving the quality of life for all those living in the university quarter, through a series of projects, events, and initiatives.

*Contact persons*

**Riccardo Guidetti**

*Campus contact person*

**Silvia Araneo**

*"People" roundtable coordinator*

## SUSTAINABLE LIFESTYLE PROJECT

*to promote good health at the University*

The project – launched in 2018 as part of the Food and Health roundtable of the Città Studi Sustainable Campus project – is intended for the students of the University of Milan, and the Milan Polytechnic, to promote a series of “healthy” behaviours, from proper nutrition, to exercising regularly, to avoiding substances of abuse – so that they might learn to manage their own wellbeing and health.

The “Sustainable Lifestyle” project has, moreover, garnered

the approval of the two Ethics Committees at the two university partners. It unfolds over two phases:

- collecting data on student lifestyle through the LIFEstyle (Love Initiative Fitness Environment style) survey
- a second project phase on concrete initiatives to improve student health, based on the data collected through the LIFEstyle survey.



*Contact persons  
Daniela Lucini  
Ernestina Casiraghi*





# Programmes

*Contact person*  
*Alessandro Sellerini*

## **ENERGY**

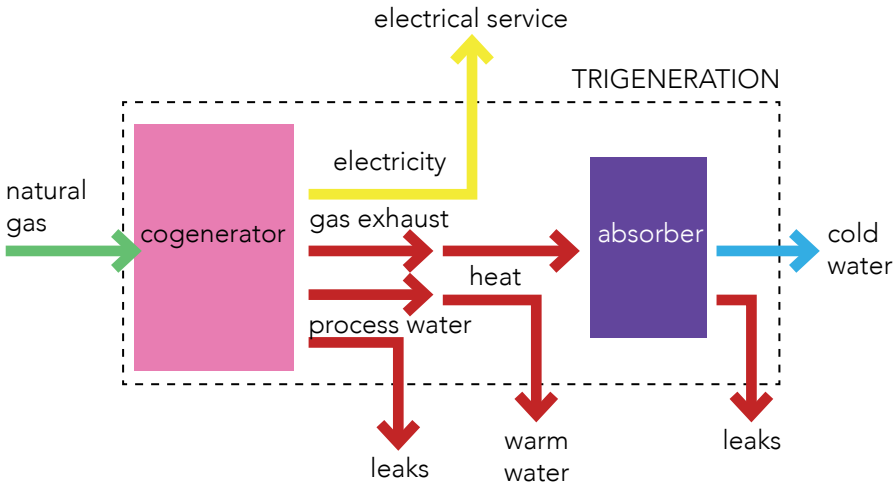
*The trigeneration plant at Città Studi*





Positioned at the intersection of Via Celoria, Golgi, Venezian and Ponzio, the University of Milan's trigeneration plant at Città Studi has been producing – since October 2010 – heat, electricity, as well as air conditioning/cooling (through special refrigerant groups known as “absorption” refrigerators). The system – fuelled by methane gas – takes leftover heat (heat

not converted into useful energy during the combustion process, but instead dispersed into the air) in order to provide heating in the winter and air conditioning/cooling in the summer for the buildings in Città Studi. Since 2018, these include a building situated at Via Celoria 18, the site for the Giovanni Degli Antoni Computer Science Department.



*Average energy vectors produced by the trigeneration plant each year*

**electricity**  
10.400.000 kWh

**district heating**  
9.840.000 kWh

**district cooling**  
1.640.000 kWh

## **PURCHASE** *of “green” electricity*

In July 2017, the University began purchasing “green” electricity, that is, generated by renewable sources (hydro-electric power, in this case), for all its buildings, except those served by the trigeneration plant.

This choice allows for notable CO2 savings within a system where energy consumption reaches 42,000,000 kWh / year.

## **CERTIFICATIONS** *BREEAM and LEED sustainability*

The University has launched a process to have some of its buildings environmentally certified. In 2018, it secured BREEAM (Building Research Establishment Environmental Assessment Method) certification for the building at Via Festa del Perdono 3/7 (central location – Office of the Rector), the second historic campus in Italy to have secured environmental certification, after the University of Padua.

Additionally, the application for LEED (Leadership in Energy and Environmental Design) certification is underway for two new university buildings – the class and academic-office building for the Faculty of Veterinary Medicine in Lodi, and the “Giovanni Degli Antoni” Computer Science Department building at Via Celoria, 18, in Milan.





# Programmes

*Contact person*  
*Manuela Gilberti*

## **WATER**





The University is now home to two water kiosks: the first, inaugurated in 2014, is located at Via Golgi 19, in Città Studi, and provides water to university cardholders (students and staff), whilst the second one, inaugurated in October 2018, is located at Via S. Sofia 9/1, at the building that houses the Student Registry Division and COSP (University Study and

Career Guidance Service), and is accessible to anyone with a national healthcare card.

The two kiosks dispense cold drinking water – sparkling and still – free of charge. The water is microbiologically safe, as certified by the University’s own labs for the Via Golgi kiosk, and by MM S.p.A. for the one in Via S. Sofia.

*Total litres of water dispensed,  
and CO2 saved as of today*





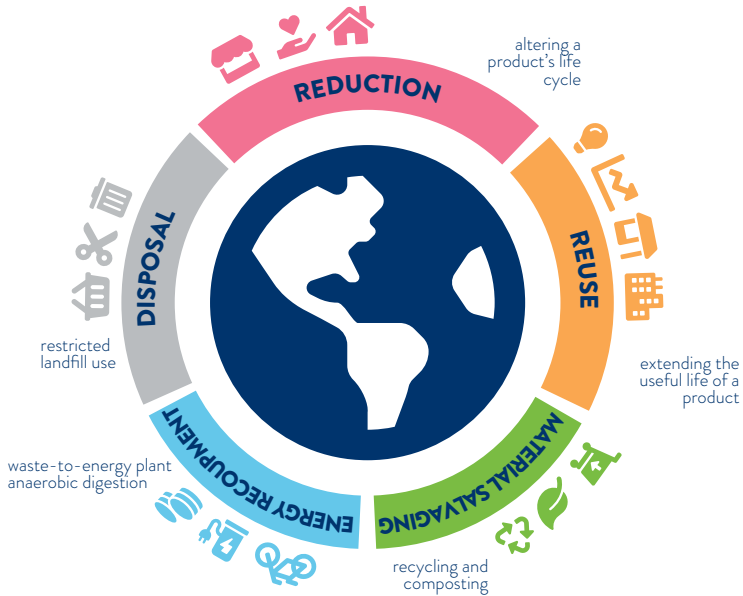
# Programmes

*Contact person*  
Antonio Evoli

## WASTE



The University manages and disposes of the waste produced by its educational and research activities by abiding by standards of the circular economy which, for each type of refuse, looks to the most “suited and sustainable” type of processing, in an effort to protect the planet.





The management of special waste products (whether hazardous or not) – chemical, healthcare, veterinary – takes place in accordance with industry regulations. Working with AMSA (the official waste-collection contractor for the Municipality of Milan), the University provides recycling for paper, plastic/tins, and glass directly onsite at its own offices and locations. The University has likewise

taken an active stance in separately processing empty toner cartridges, appliances and electronics, lead batteries, furniture and bulky waste, and even radioactive waste (now produced in vastly lower quantities), all of which are collected and disposed of pursuant to standard operating procedures which ensure “tracking”, and being turned over to authorised parties.

*Data for the 2016-2018 period*

<b>Waste types</b>	<b>kilos of waste managed</b>		
	<b>2016</b>	<b>2017</b>	<b>2018</b>
Lab waste	150.000	136.200	139.000
WEEE	22.600	19.200	64.200
Furniture and bulky waste	778.800	4.550	23.340
Alkaline and lead batteries	800	1.770	2.100
Neon lights	200	0	0
Toner cartridges	1.900	2.070	830
Radioactive waste (# barrels)	26	21	21
Paper - Cardboard	18.460	0	6.720

*Generation of radioactive waste  
1995 - 2016*

1995

 x 150

2005

 x 40

2016

 x 26

number of radioactive  
**BARRELS**



# Programmes

*Contact person*  
Mattea Gelpi

## **MOBILITY**





The University of Milan was amongst the first public institutions in Italy to comply with Ministry of the Environment Decree of 27 March 1998, intended to foster sustainable mobility, and to encourage the use of public transportation by its staff. To that end, the University has appointed a Mobility Manager to head up the work needed to reduce the number of private vehicles used for workers' commutes.

To incentivise the use of public transportation amongst the staff, the University covers 80% of the cost of ATM - SITAM, TRENORD, and *lo viaggio ovunque in Lombardia* (*Travel anywhere in the Region of Lombardy*) cards (up to a maximum value of Euro 258.23), amongst the highest subsidy anywhere in the Italian university system.

Other mobility benefits are available, including the partnership with Trenitalia S.p.A. which, through the *FRECCIA Corporate* programme, provides a 15% business travel discount not only to university staff, but to doctoral and post-graduate students, research fellows, and other students; there are also benefits available through bicycle shops, e-scooter ride-sharing, bike-sharing, and cargobike rental companies, city bus companies, and hybrid car dealers.



*The growth of the University's subsidy for sustainable mobility*

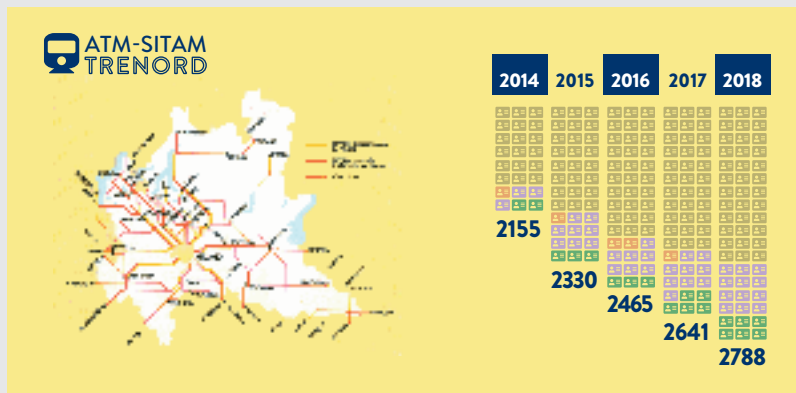
**2015**  
360.774,37 euros

**2016**  
518.639,69 euros

**2017**  
551.992,37 euros

**2018**  
589.055,20 euros

*Number of season tickets out of a total of approx. 4,000 employees*





# Programmes

*Contact person  
Daniela Falcinelli*

## **WELFARE** *and personal wellbeing*



The University of Milan has implemented a “People Care” plan dedicated to the wellbeing, and the ongoing improvement of the quality of life of its staff and their family members, both on and off the job.

These efforts include tuition subsidies for the children of university staff persons to attend nursery school, summer camps, and for school expenses, tuition waivers for technical / administrative / library staff, as well as a health insurance plan for the campus, and healthcare subsidies for dependent relatives.

To promote and protect individual dignity, rights, and wellbeing in the workplace, in the classroom, and in the lab, the University has set up a Discrimination and Equal









Opportunity Committee, who works with the Ombudsman, and the Workplace Safety and Prevention Manager, as well as the University Physician.



## "People Care" plan

Programmes	Expenses in Euro		
	2016	2017	2018
Nursery school	128.925	140.707	163.527
Tuition subsidies for the children of university employees	88.291	95.561	104.958
Recreational centres and summer camps	18.198	32.007	46.046
Healthcare	846.021	992.627	983.652

## Increases in spending for the "People Care" plan

	recreational centres & SUMMER CAMPS	health CARE	TUITION SUBSIDIES for employee children	nursery SCHOOL
from <b>2016</b>				
to <b>2018</b>				
	<b>+15,3%</b>	<b>+16%</b>	<b>+19%</b>	<b>+27%</b>

notes

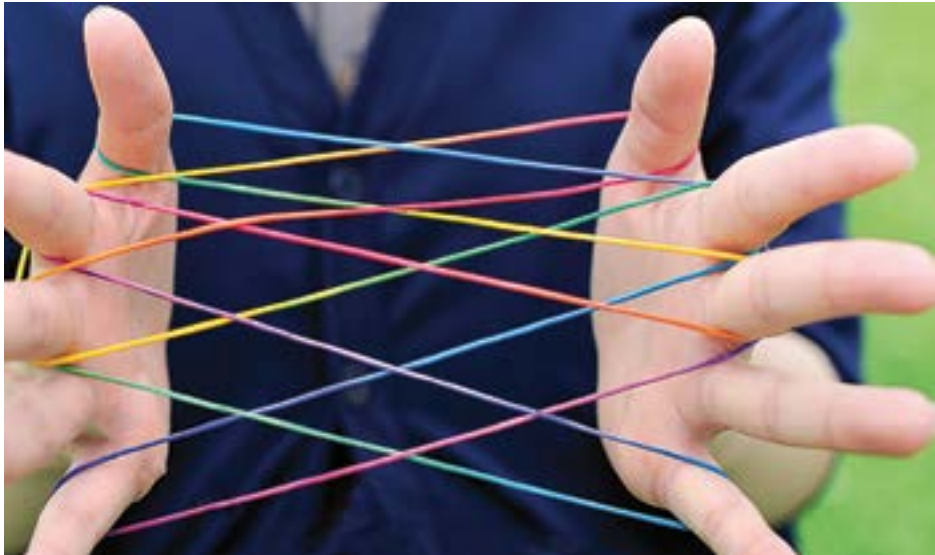




# Programmes

*Contact persons*  
Barbara Rosina  
Nicolò Spanò

## **DISABILITY** *and* **SLD**





## Disability and SLD

The University of Milan offers students with disabilities and specific learning disabilities (SLD) a dedicated orientation and welcome service, and thereafter provides guidance and learning support to ensure equal opportunity and social integration into the university community.

Tuition waivers, shuttle transfers within the Municipality of Milan for transport to and from university locations, courses in independent movement for the blind to orient themselves to navigate classrooms and educational spaces: these are just a few examples of the efforts the University has made to facilitate disabled-student learning and education. Students with SLD are provided support centred on their relationship

with their instructors, reasonable accommodations, accessible materials, as well as study-technique and strategy seminars.





Programmes

**LA STATALE** *within sustainable*  
*development* **NETWORKS**





## Network

The University of Milan is a partner to national and international programmes and networks in the field of sustainable development.

Within Italy, the University is a founding member of the University Sustainable Development Network ("RUS"), created in 2015 by the CRUI (Conference of Italian Rectors) for the purpose of disseminating a culture of, and best practices for, sustainability through six designated work groups: climate change, mobility, energy, waste, education, and food.

The University of Milan has taken part, since the inaugural edition in 2016, in the Sustainable Development Festival produced by ASVIS (Italian Alliance for Sustainable Development), Italy's premier event for educating and mobilising community members, the youth,

companies, associations, and institutions on the issues and objectives for economic, social, and environmental sustainability as set by the 17 SDGs of the 2030 Agenda.

On an international level, the University is a member of the International Sustainable Campus Network (ISCN), a network of prestigious universities, spanning the globe, and aiming to become bona fide "sustainability laboratories". The 80 university partners of the ISCN include: Columbia University, MIT, Stanford University, Oxford and Cambridge Universities, the University of Cape Town, the University of Singapore, the University of Tokyo, as well as Italian universities like the Milan and Turin Polytechnics, the University of Turin, of Milan-Bicocca, Genoa, Salerno and Ca' Foscari of Venice.