

SDGS REPORT 2024

# Strategic Sustainability Plan 2023-2025

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# Introduction

In 2023, Politecnico di Milano presented its first Strategic Sustainability Plan, spanning the three-year period 2023-25, as the expression and completion of a vision that identifies care and commitment to the well-being of people, the environment and, more generally, of our community as a top priority. To the term ‘sustainability’, now recurrent in the dynamics of economics and social progress, we explicitly associate that of development, which encompasses key concepts such as growth and regeneration.

The broadest framework adopted for defining the Plan’s contribution to sustainable development is that of the Sustainable Development Goals (SDGs), which allows for a broad and detailed view of sustainable development issues. The Strategic Sustainability Plan has a two-level structure: the highest level is that of the six priorities, identified as the macro-areas that the University wants to address in terms of sustainable growth; the second level is that of the 18 themes into which the priorities are divided, identifying specific areas of intervention. An update of the Plan is published annually, aiming at updating and reconfirming the commitments, as well as reporting the results achieved, describing all activities started or fully completed for achieving of the Plan’s Goals and Targets.

This document, the “2023-25 Strategic Sustainability Plan – SDGs Report 2024”, provides an alternative representation of the “2023-25 Strategic Sustainability Plan – 2025 Update and 2024 Sustainability Report”. In this version, the focus is on specifically highlighting the synergies between the SDGs of the UN 2030 Agenda and the specific sustainability objectives of the Politecnico di Milano. This approach is intended to emphasize the University’s commitment to actively contributing to the SDGs, fostering strategic alignment between the global sustainable development goals and institutional priorities.

In this perspective, a new layout of the Plan was developed. For each SDG, this document presents:

- A selection of projects and initiatives carried out in 2024, relevant to the Goal at hand and instrumental in achieving the commitments undertaken.
- A reporting sheet that outlines the university Objectives and Targets defined within the Plan, detailing, for each Objective, the Actions planned for the 2023-25 period, followed by the Activities implemented in 2023-24 and associated Results, which together account for all initiatives, projects, and services offered, pursued, or completed during this two-year period.





# SDG1

NO POVERTY

## Projects and initiatives

### Paid student collaborations

Part-time collaborations provide students the opportunity to support Politecnico di Milano's bodies through different activities, receiving variable remuneration depending on the assignment. These collaborations fall into three main categories: support for administrative, teaching and peer-to-peer services. To apply, students take part in a call for applications, while the University's bodies submit their requests, which in 2024 exceeded 3,500 applications, totalling 115,163 hours of work required. Assignments are based on the task and requirements specified in each request, resulting in a contractual relationship.

### Casa dello studente renovation

At the end of August 2024, the first 44 refurbished units were handed over at the Leonardo da Vinci Residence – Casa dello Studente. These units, mostly located in flats equipped with kitchen, bathroom, and twin rooms, were allocated to DSU students through an extension to the initial call for applications. Although renovation work is still ongoing on the upper floors, with the goal of full reopening for the next academic year, several communal spaces have already been made available, including a basement study room, laundry facilities, vending machines, a printer, and a small common room on the ground floor equipped with board games and musical instruments.





SDG1  
NO POVERTY

| THEME                     | GOALS AND 2025 TARGET                                                  | ACTIONS 2023-2025                                                                                                                                                    | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| People growth and welfare | Strengthening the welfare system<br>8,000 registrations to the service | <b>Promotion of services</b> – Communication and dissemination initiatives of welfare services available to professors and technical and administrative staff        | <ul style="list-style-type: none"><li>• Promotion of the second joining window of the <b>Polimi People Care</b> programme for the 2024-25 two-year period</li><li>• Digitalisation and promotion of the “<b>transport season ticket</b>” service</li><li>• Granting benefits to pay the all-inclusive university enrolment contribution for staff members' children.</li><li>• <b>Techcamp – technology summer school</b> scholarships for employees' children</li><li>• Preparing the <b>communication and promotion plan</b> for new services: analysis of user needs through surveys, with the option for users to subscribe to thematic content channels, attend webinars, and take part in in-person meetings</li><li>• 7,677 subscriptions to the University's welfare initiatives in 2024 (+28% compared to 2022), including 976 Academic staff subscriptions to Polimi People Care (+41% compared to 2022) and 1,654 subscriptions in agreement (+51% compared to 2022)</li></ul> |
|                           |                                                                        | <b>Parenting</b> – Services to support parenting will be launched in line with the needs of children across different age groups.                                    | <ul style="list-style-type: none"><li>• Planning and agreement with suppliers to implement <b>parenting services</b> in 2025: support and counselling for parents, children and young people, school and university guidance for employees' children</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                           |                                                                        | <b>Assistance</b> – Services to assist parents and family members with disabilities or care needs                                                                    | <ul style="list-style-type: none"><li>• Agreements with providers to implement <b>home care and transport services</b> for parents and family members with disabilities or support needs in 2025</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                           |                                                                        | <b>Work-life balance</b> – Implementation of initiatives and services to ensure work life balance                                                                    | <ul style="list-style-type: none"><li>• Agreements with providers for services available in 2025, supporting work-life balance and <b>time-saving</b>, such as finding <b>babysitters</b>, live-in caregivers or home care workers, and support for administrative processing</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                           |                                                                        | <b>Prevention and promotion of healthy lifestyles</b> – Strengthening of existing services in synergy with the sport unit and promotion of new dedicated initiatives | <ul style="list-style-type: none"><li>• Agreements with providers for services available in 2025 to prevent and promote healthy lifestyles, through <b>psychotherapy</b>, <b>osteopathy</b> and <b>nutritionist</b> sessions</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



# SDG1

NO POVERTY

| THEME                                   | GOALS AND 2025 TARGET                                                                                 | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                         | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Financial support and student mentoring | <b>Scholarships</b><br>Diritto allo studio (DSU)<br>scholarships awarded to 100% of eligible students | <b>DSU budget</b> - Budget allocation to ensure eligible students receive a scholarship                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>• <b>Allocation of €9.5 annually</b> by the university to supplement state and regional funds to cover approximately 7,000 DSU eligible students' grants in each of the two years</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                             |
|                                         |                                                                                                       | <b>New scholarships</b> - Development of new types of scholarships and enhancement of existing programmes to support deserving vulnerable students                                                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li>• <b>Six UNICORE scholarships for refugee students</b> from Congo, Eritrea, Ethiopia, Rwanda, and South Sudan</li> <li>• <b>Exemption from tuition fees</b> for students with refugee status and those classified as "displaced persons," i.e., coming from other critical geographical areas</li> <li>• Administrative facilities, educational and psychological support for refugee students (<b>&gt;20 refugee students</b>)</li> <li>• Initiation of <b>partnerships with prisons</b> to provide courses and analysis of support applications through specific agreements</li> </ul> |
|                                         | <b>Residences</b><br>+50% in places available, of which 60% dedicated to eligible DSU                 | <b>Building measures</b> - Building new residences to increase the University's accommodation range, particularly for students in difficult financial conditions                                                                                                                                                                                                                          | <ul style="list-style-type: none"> <li>• Opening the <b>new Marie Curie residence</b> in 2023, with 213 beds, 60% of the places reserved for DSU scholarship recipients and 12 studios equipped for guests with mobility disabilities</li> <li>• <b>Casa dello Studente (Student House) redevelopment</b> in 2024 with the addition of 44 places in two-person flats with double rooms</li> </ul>                                                                                                                                                                                                                               |
|                                         | <b>Paid student collaborations</b><br>+20% in hours vs. previous three-year average                   | <b>Remuneration and number of hours</b><br>- Increase in the number of hours for student collaboration and increase and diversification of hourly remuneration based on the type of student and activity<br><br><b>Management model</b> - Increase and diversification of the range through the involvement of Schools and Departments, increase of flexibility in calls for applications | <ul style="list-style-type: none"> <li>• Entry into force in 2023 of the "Student partnership" regulation, which sanctions <b>an increase in the number of hours</b> (from 150 to 200 hours per student), hourly remuneration and the types of activities that students can carry out</li> <li>• Preparation of the 'single semester announcement', simplifying the application procedure for students</li> <li>• <b>Reducing time and simplifying the</b> assignment process</li> <li>• Partnership contracts: applications received for 6,302 students from the Bodies, 191,122 hours paid in the two-year period</li> </ul>  |





# SDG2

## ZERO HUNGER

## Projects and initiatives

### Reduce food waste

The University has introduced an initiative to reduce food waste and provide an affordable food option for students and university staff. In all university dining areas, near closing time, it is possible to purchase unsold food in excellent condition at a discounted price through the “Food box” system, thus ensuring a convenient dinner option while also helping to reduce food surplus. The initiative has sparked great interest in the community, with 90% of the boxes produced being sold each day. Furthermore, 55% of the University’s catering contracts include a clause for the recovery of surplus food.

### Food Policy

In 2024, the Politecnico di Milano launched the process of defining a university’s Food Policy, conceived as a set of strategies, guidelines, and actions aimed at managing the food system within its campuses in a sustainable and inclusive way. The main goal is to ensure that all food-related choices — from production to processing and distribution, through to consumption and waste management — are consistent with the University’s values of sustainability and social responsibility. To support this process, the Polimi Food Policy Committee was established. In addition, to integrate the Sustainability Working Groups approach, the Food Waste Reduction Working Group was renamed Polimi Food Policy Working Group, with the task of developing ideas and proposals in support of the initiative. The University’s Food Policy, aligned with the Strategic Sustainability Plan, will focus on five key areas of action:

- Variety, quality, and sustainability of the food offer;
- Spaces and services for the food system;
- Management of food surplus and waste;
- Education and awareness for healthy and sustainable eating habits;
- Design, evaluation, and monitoring.





# SDG2

ZERO HUNGER

| THEME            | GOALS AND 2025 TARGET                                             | ACTIONS 2023-2025                                                                                                                                       | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circular Economy | <b>Reducing food waste</b><br>Zero food waste in 100% of catering | <b>Organisational innovation in catering services</b> - Redistribution through food boxes of 100% of legally recoverable food<br><a href="#">UPDATE</a> | <ul style="list-style-type: none"><li>• 7,865 <b>food boxes</b> in catering outlets distributed in 2024</li><li>• Inclusion of formal agreements in new catering specifications</li></ul>                                                                                          |
|                  |                                                                   | <b>Partnership</b> - Programme agreements with catering suppliers to reuse 100% of legally recoverable food<br><a href="#">UPDATE</a>                   | <ul style="list-style-type: none"><li>• <b>Mapping of leftovers in catering</b> and designing a monitoring report</li><li>• Inclusion of formal agreements in new catering service specifications</li><li>• Benchmarking with other universities in the Food Policy Site</li></ul> |





# SDG3

GOOD HEALTH AND WELL-BEING

## Projects and initiatives

### Mindfulness

In 2024, five mindfulness courses were organised for staff, promoting psychological and professional well-being. The course aimed to enhance awareness of personal strengths and potential, encouraging participants to be more present and mindful in everyday life. Across the sessions, 175 participants explored the core principles of mindfulness and discovered its benefits through guided meditative practices and group reflection.

Additionally, a thematic workshop focusing on the integration of body, mind, and spirit was held, engaging 46 participants in advanced mindfulness techniques and deepening their self-awareness.

### Staff climate survey

For the first time, Politecnico di Milano's 2023-24 organisational climate and well-being survey included academic and technical and administrative staff.

The results showed a generally positive working environment, marked by good social relations, high autonomy and a strong involvement. Levels of bullying, work-life interference, and job-related stress were reported to be low. Participation in the survey was substantial - 58% of academic staff and 69% of technical and administrative staff took part, highlighting strong interest in these topics. The survey identified areas for improvement, highlighting the need for targeted initiatives to promote inclusion and value diversity throughout the institution.





# SDG3

GOOD HEALTH AND WELL-BEING

## Projects and initiatives

### La Goccia - il parco dello sport

In 2024, the construction of the sports park in the Goccia area of the Milan Bovisa campus was completed. The facility is the result of regenerating green spaces and restoring a historic building located on the former industrial site, now transformed into a vibrant space dedicated to catering and sporting activities for the University community. The park spans 12,000 m<sup>2</sup> of green area and includes the planting of approximately 200 new trees. Sports facilities include: two indoor padel courts, a multi-purpose court for volleyball and five-a-side football, an indoor facility for calisthenics; a bocce court; and a 3x3 basketball playground.

The redeveloped building houses a cafeteria and fully equipped changing rooms with showers and toilets on the ground floor.

### Polimi people care 2.0

During 2024, Politecnico di Milano worked on new agreements, supplementing those already in place, for its employees' benefit. The Polimi People Care 2.0 expansion, which will be activated from May 2025 for technical and administrative staff, provides new services in the following areas: support for parenting with advice on breastfeeding, sleep and school guidance; caregiving, providing home assistance, transport for the assisted and legal advice for vulnerable family members; psychophysical wellbeing and self-care, psychotherapy, osteopathy and nutrition sessions; and work-life balance with services for selecting babysitters and carers, administrative assistance and health facilities.





# SDG3

GOOD HEALTH AND WELL-BEING

| THEME                               | GOALS AND 2025 TARGET                                                                                                           | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                               | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Psychological well-being and health | <b>Psychological and psychotherapeutic support services</b><br>100% of students accessing the service within a month of request | <b>Analysis and support</b> - Periodic evaluation of the questionnaires filled in by students when requesting support and staff identifying the most suitable procedure in terms of urgency and type<br><br><b>Communication</b> - Enhancing Initiatives                                                                                                                        | <ul style="list-style-type: none"> <li>Timely evaluation of <b>100% of questionnaires</b> for applying</li> </ul>                                                                                                                                                                                                                                                                                                                 |
|                                     | <b>Health promotion and prevention</b><br>20% of staff participating annually in preventive health initiatives                  | <b>Medical check-ups</b> - Promotion of check up services provided by the University in different areas (Sport, Polimi People Care, Department and Campus services)                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li><b>Tailored communication campaigns</b> to promote the University's psychological support services</li> <li>Dedicated initiatives for <b>World Mental Health Day</b>, including a special helpline for students and technical and administrative staff</li> </ul>                                                                                                                          |
|                                     | <b>Community training</b><br>900 people involved in the three-year period                                                       | <b>Staff training</b> - Courses on relational, emotional and self-awareness aspects for Academic, technical and administrative staff, research fellows and specialists<br><br>Experiential workshops and <b>seminars</b> for students - Introduction of experiential workshops and seminars/roundtables for students on relationships, emotional management, and self-awareness | <ul style="list-style-type: none"> <li>Seminars, <b>prevention</b> campaigns, and <b>genetic screenings</b> provided by the Department of Architecture, Built Environment and Construction Engineering, in partnership with Vita-Salute San Raffaele University: more than 200 staff members involved</li> <li>Issuance of <b>655 medical certificates</b> included in the Polimi Sport Basic Staff Subscription</li> </ul>       |
|                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Design and implementation of experiential seminars on personality and self-knowledge topics, organisation of <b>12 team building and mindfulness courses</b>: more than 1,000 employees involved (there were 80 in 2023)</li> </ul>                                                                                                                                                        |
|                                     | <b>Monitoring results</b><br>Enrichment of the PoliPsi platform and analysis of opinion questionnaires                          | <b>Reporting and satisfaction questionnaires</b> - Improvement of the existing platform                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"> <li>Delivery of <b>58 experiential workshops</b> on relationships, emotional management and mindfulness and <b>10 workshops on study method</b> in 2023 and 2024</li> </ul>                                                                                                                                                                                                                    |
|                                     |                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                 | <ul style="list-style-type: none"> <li>Review of the <b>self-assessment questionnaires</b> and definition of the PoliPsi platform opinion questionnaires</li> <li>Implementation of filters to monitor the level of perceived discomfort and type effectively</li> <li>Review of the <b>"Identity and Well-being"</b> platform for the planning and delivery of psychological support workshops, available to students</li> </ul> |





# SDG3

GOOD HEALTH AND WELL-BEING

| THEME | GOALS AND 2025 TARGET                                                                                                                                                                  | ACTIONS 2023-2025                                                                                                                                                  | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sport | <b>Involvement of the internal community and support for deserving students</b><br>+50% students and employees involved<br>+50% sports merit scholarships<br>+50% Dual Career athletes | <b>Events and tournaments</b> - Organisation of in-house and international events                                                                                  | <ul style="list-style-type: none"> <li>Wider participation in <b>international events</b>: Two competitions/tournaments in 2023 and four in 2024, with more students selected for representative teams (197 vs. 20)</li> <li>Marketing campaigns successfully increased registrations for flagship events including <b>PolimiRide, PolimiRun, Polimi League, Spring Games and Torneo 6 campus</b> (9,383 registrations 2024 vs 5,532 in 2022, +70%)</li> </ul>          |
|       |                                                                                                                                                                                        | <b>Infrastructure</b> - Infrastructure strengthening (Gasometers Park in Bovisa, Gymnasium in Cremona, new fitness centre at Leonardo Campus)                      | <ul style="list-style-type: none"> <li>Completion of authorisation procedures for the <b>new</b> 1,500 m<sup>2</sup> fitness centre at the Leonardo Campus</li> <li>Construction of sports fields in the <b>Gasometers Park</b> at Bovisa Campus</li> <li>Design and partial construction of the 180 m<sup>2</sup> <b>gymnasium</b> on the new Cremona Campus</li> <li>Design of a new <b>masterclass space</b> at Bovisa Durando Campus (240 m<sup>2</sup>)</li> </ul> |
|       |                                                                                                                                                                                        | <b>Sports offered</b> - Broadened the range of individual and team sports, with active involvement of Dual Career students and alumni acting as sports ambassadors | <ul style="list-style-type: none"> <li><b>More than 10,000 Sport Polimi subscribers</b></li> <li>Significant growth in <b>masterclass</b> enrolment: 2,432 internal participants in 2024 compared to 1,201 in 2022 (+102%)</li> <li><b>Three sports workshops</b> delivered with direct involvement of Dual Career student athletes</li> </ul>                                                                                                                          |
|       |                                                                                                                                                                                        | <b>Team building</b> - Organisation of team building initiatives                                                                                                   | <ul style="list-style-type: none"> <li>Integration of the theme across <b>Sustainability Working groups</b> (Sport and Well-being, Gender and Inclusion Policies)</li> <li><b>Off Work Tournament</b> programme for university staff with 110 participants in 2023 and 140 in 2024</li> <li>Three <b>team building</b> training and sport initiatives: 268 participants in 2024 (about 5% of staff)</li> </ul>                                                          |
|       |                                                                                                                                                                                        | <b>Development of the Dual Career programme</b> - Supporting student-athletes                                                                                      | <ul style="list-style-type: none"> <li>Updating sports criteria for participation in the <b>Dual Career programme</b>, with more focus on team sports and introduction of time limits for qualifying results</li> <li><b>Expanding membership</b>: 54 Dual Career students in A.Y. 2022-23 and 75 in A.Y. 2023-24 (+67% compared to A.Y. 2021-22)</li> </ul>                                                                                                            |
|       |                                                                                                                                                                                        | <b>Scholarships</b> - Financial support for high level student-athletes                                                                                            | <ul style="list-style-type: none"> <li>Expansion of sporting merit scholarships: <b>30 open scholarships</b> (+50% vs 2022) of €5,000 each (+100% vs 2022) in 2023 and 2024</li> </ul>                                                                                                                                                                                                                                                                                  |



# SDG3

GOOD HEALTH AND WELL-BEING

| THEME | GOALS AND 2025 TARGET                                                                                                                                                                              | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                             | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sport | <b>Sport as a tool for community involvement and social responsibility</b><br>+40% in external participants in University organised sports events<br>5 annual initiatives of social responsibility | <b>Events</b> - Increasing the impact of sport on the region by organising major sport-ing events open to citizens and socially responsible initiatives with minors, people with disabilities and underrepresented groups<br><br><b>Environmental sustainability</b> - Reduc-ing single-use plastics at major sporting events | <ul style="list-style-type: none"><li>+67% of external participants in <b>Polimirun Spring, Polimirun Winter, Polimiride</b> (10,159 in 2024 vs. 6,080 in 2022)</li><li><b>Summer sports camp</b> at Centro Giuriati: 551 children involved in the two-year period</li><li>Initiation and expansion of social responsibility initiatives: e.g. in 2024 <b>“Parasports for all”</b> (385 participants) and the <b>Sport@OffCampus project</b> with initiatives in Cascina Nosedo, Nolo and San Vittore (more than 120 total participants)</li></ul> |
|       | <b>Integration and visibility of teaching and research in sport</b><br>Implementation of the “Sport” platform                                                                                      | <b>Hub</b> - Creation of a platform that con-nects and enhances the University’s teaching and research activities on sports-related topics                                                                                                                                                                                    | <ul style="list-style-type: none"><li>Collecting information on education and sport, research and sport and sports services</li><li><b>Launch of the platform’s first version</b></li><li><b>Inauguration of A.Y. 2024-25 dedicated to sport</b> with platform content promotion</li></ul>                                                                                                                                                                                                                                                         |



# SDG4

QUALITY EDUCATION

## Projects and initiatives

### Polimi Ambassador

As part of the Technologies for Transitions project, conducted with seven other universities, Politecnico di Milano has launched high-level training programmes designed to develop new professional profiles equipped to address environmental and social sustainability challenges. The Green Technologies course provides the tools to develop sustainable solutions and foster decarbonisation. The Smart Infrastructures course trains experts in design, management, and innovation of enabling, sustainable infrastructures and technologies. The Inclusivity Design course prepares professionals who will make cities, spaces and technologies more accessible and resilient. The Creative Thinking course develops skills in creative thinking and strategic design, which are essential to meet innovation and digital transformation challenges. These offer a tangible opportunity to contribute to future technological and social transitions.

### Zero Library in courses on sustainability topics

The Zero Library project stems from the need to provide Politecnico di Milano students with basic training on sustainability through a virtual library of online courses, structured as short MOOCs, that complement the core teaching. These courses provide support tools, prerequisites or in-depth studies on different sustainability themes, giving students the opportunity to delve into topics that are marginally covered by their study programme. In 2024, a survey was carried out to identify existing online courses that could be integrated into the Zero Library as supplementary content, and work began on five MOOCs forming the initial core of the library's offering. These modules focus on sustainable development and the SDGs, sustainable cities, the intersection of ethics and artificial intelligence, ecodesign, and sustainable water management.





# SDG4

QUALITY EDUCATION

## Projects and initiatives

### New MOOCs sustainability

During 2024, four MOOCs were developed in cooperation with MOST - National Centre for Sustainable Mobility. This centre, established through the cooperation of 24 universities, the National Research Council (CNR), and 24 major companies, is dedicated to advancing and supporting innovative solutions for more sustainable, efficient, and inclusive mobility across the country. Among the courses, one focuses to Electric Traction System and Batteries - Designing Sustainable Electric Motors: Efficiency, Circularity and Resource Optimisation - while three others focus on Rail Transport:

- FS Italiane for sustainable mobility
- Modelling the Energy Transition: the Role of Railway Sector Energy Demand
- Virtual and Augmented Reality to Support Training and Maintenance
- These courses stimulate professional growth, promote innovation and disseminate knowledge in the transport sector.

### Guidelines for inclusive teaching

In 2024, the “Specific Learning Disorders (SLDs): suggestions for inclusive teaching” guidelines were produced and disseminated to Academic staff, to provide useful tools for the design and implementation of inclusive teaching that is attentive to the needs of students with SLDs.

The guidelines offer a broad overview of SLD profiles, detailing how specific areas of the brain function differently in neurodiversity. They provide professors with practical strategies and suggestions for adopting inclusive teaching approaches, and examples that can be applied in the classroom and during examinations. The document is enriched with guidelines to ensure teaching material accessibility.







# SDG4

QUALITY EDUCATION

| THEME                                 | GOALS AND 2025 TARGET                                                                                                                                             | ACTIONS 2023-2025                                                                                                                                                                     | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lifelong learning                     | <b>MOOCs and microcredentials</b><br>130 MOOCs (of which 20 focused on sustainability)                                                                            | <b>MOOC</b> - Design and implementation of the sustainability MOOCs collection                                                                                                        | <ul style="list-style-type: none"> <li>Design, production and publication of MOOCs on sustainability</li> <li>MOOCs on POK: 137 (27 on sustainability)</li> <li>Designing new MOOCs for 2025 (including contributions to the Zero Library project)</li> </ul>                                                                                                                  |
|                                       |                                                                                                                                                                   | <b>Microcredentials</b> - Design of a postgraduate training course on specific sustainability-related topics with delivery of courses and issue of microcredentials and certification | <ul style="list-style-type: none"> <li>Testing and development for platform plug-ins enabling the issuance of microcredentials via Open Badge, along with integration of the PagoPA payment system.</li> </ul>                                                                                                                                                                 |
|                                       | <b>Postgraduate training for the Non-profit sector</b><br>1,500 participants in the training courses<br>1,000 hours of training (teaching and project activities) | <b>Training for the Non-profit sector</b> - Provision of postgraduate education, asynchronous training and mentoring activities for the Non-profit sector                             | <ul style="list-style-type: none"> <li>Participation of staff of Non-profit sector organisations in the University's postgraduate training: <b>145 participants and 1,133 hours delivered</b> over the two-year period</li> </ul>                                                                                                                                              |
|                                       |                                                                                                                                                                   | <b>Mentoring in projects</b> - Providing expertise to support Non-profit sector players in implementing innovation and continuous improvement projects                                | <ul style="list-style-type: none"> <li>Fourth "Leave Your Mark" initiative organised by GSoM to <b>provide free expertise to non-profit institutions</b> committed to building a more inclusive society: 15 organisations supported in the two-year period, with the involvement of alumni and professors</li> </ul>                                                           |
| Accessibility of spaces and education | <b>Inclusive education</b><br>60% of teaching staff trained in the threeyear period                                                                               | <b>Facilitated participation</b> - Increase of partial exemptions between 10-15% for candidates from the Non-profit sector                                                            | <ul style="list-style-type: none"> <li><b>Discounts of 20-30%</b> on selected programmes</li> <li>Definition of a targeted project for participants from non-profit organisations for 2025 (asynchronous training and free participation courses)</li> </ul>                                                                                                                   |
|                                       |                                                                                                                                                                   | <b>Digital Accessibility (SLDs /Disability)</b><br>- Creation of courses for Academic staff on teaching accessibility issues                                                          | <ul style="list-style-type: none"> <li>Drafting the <b>"Specific Learning Disorders (SLDs): suggestions for inclusive teaching"</b> guidelines with a focus on the drafting of accessible digital documents</li> </ul>                                                                                                                                                         |
|                                       |                                                                                                                                                                   | <b>Inclusive education (SLDs /Disability)</b><br>- Dedicated training for Academic staff on inclusive teaching and innovative teaching methods for disability and SLDs profiles       | <ul style="list-style-type: none"> <li>Dissemination of the <b>"Specific Learning Disorders (SLD)"</b> guidelines with presentation in Schools</li> <li>Training within the Engineering Physics Programme Board</li> <li>Planning training for disseminating the guidelines in Departmental Boards from 2025</li> <li>Designing a <b>MOOC on inclusive teaching</b></li> </ul> |



# SDG4

QUALITY EDUCATION

| THEME                                 | GOALS AND 2025 TARGET                                                                                                 | ACTIONS 2023-2025                                                                                                                                                             | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethical and responsible research      | Training researchers on research ethics and impact<br>150 researchers trained over the three year period              | <b>Research impact assessment</b> - Design and delivery of training activities on research impact analysis and self-assessment, with a focus on young researchers             | <ul style="list-style-type: none"> <li>• Practical training of more than 100 professors and <b>researchers in research impact assessment and reporting</b>, by drafting more than 20 knowledge valorisation case studies for the VQR process</li> <li>• <b>Mapping the research impact</b> of 64 projects in one department, involving relevant Academic staff (156 professors)</li> <li>• <b>Awareness-raising and training</b> activities on <b>research impact assessment</b> in Digital Innovation Observatories: organisation of a webinar (96 participants), a workshop (30 participants) and several awareness-raising events in 2024</li> </ul> |
|                                       |                                                                                                                       | <b>Dual use training</b> - Design and delivery of training activities for Academic staff on the dual use of technologies                                                      | <ul style="list-style-type: none"> <li>• Design and delivery of a <b>training course on the dual use of</b> technologies</li> <li>• 23 participants in the 2024 pilot</li> <li>• Presentation of the new calendar programme 2025 in the relevant Department Boards</li> </ul>                                                                                                                                                                                                                                                                                                                                                                           |
|                                       |                                                                                                                       | <b>Planning training activities</b> - organisation of short events for a wide audience                                                                                        | <ul style="list-style-type: none"> <li>• Organisation of five events open to the public (<b>conferences, lectures, workshops</b>) by the <b>META - Social Sciences and Humanities For Science and Technology</b> unit, for about 250 participants</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                            |
|                                       | <b>Support for PhD candidates</b><br>200 professors and researchers trained as supervisors over the three-year period | <b>Supervisor training course</b> - Design and delivery of training activities for supervising PhD candidates, dedicated to new researchers and available to Academic staff   | <ul style="list-style-type: none"> <li>• Design and delivery of <b>supervisor training</b> by identifying the supervisor's role profile, analysis of training needs, training design and revision</li> <li>• 93 participants in four training courses over the two-year period, including 79 in 2024</li> <li>• Additional four courses are planned for 2025</li> </ul>                                                                                                                                                                                                                                                                                 |
| Sustainability in curricular teaching | <b>Sustainable approach to education</b><br>New teaching governance model                                             | <b>Identification of actions</b> - Analysis of University teaching management and identification of areas for improvement                                                     | <ul style="list-style-type: none"> <li>• Revising the budget allocation process for teaching, register of teaching activities and student opinion questionnaire</li> <li>• Defining new regulations for admitting national and international students to Master's and Bachelor's Degrees in Engineering and Design</li> </ul>                                                                                                                                                                                                                                                                                                                           |
|                                       |                                                                                                                       | <b>Innovations in the teaching delivery model</b> - Suggestions for innovative models to optimise available resources, increase teaching quality and make it more sustainable | <ul style="list-style-type: none"> <li>• Adapting the regulations on the allocation of Academic staff and related assignment plan</li> <li>• University bodies' approval and presentation of the new training/teaching model focused on student learning quality</li> </ul>                                                                                                                                                                                                                                                                                                                                                                             |



# SDG5

## GENDER EQUALITY

## Projects and initiatives

### Gender-based violence: how to become an active bystander

During the International Day for the Elimination of Violence against Women, the MOOC “Gender-Based Violence: How to become an active bystander” was launched as an awareness-raising and action-oriented course designed to address gender-based violence by empowering individuals to intervene effectively. Through real-life scenarios in work and academic settings, the course analysed the cycle of violence, its causes and forms, and proposed a 5D methodology for active bystander situations involving violence or harassment. The course content was developed by experts and professors from Politecnico di Milano, the University of Milano-Bicocca, Valore D, Parks – Liberi e Uguali, Il Cerchio degli Uomini, and the Milan Local Police.

### Gender equality certification

In December 2024, Politecnico di Milano obtained certification for gender equality under UNI/PdR 125:2022, becoming the first STEM university and one of the first public institutions to achieve this goal. The certification acknowledges the University’s sustained commitment to inclusion through a wide range of initiatives, including the protection of parenthood, promotion of pay equity, enhanced representation of women in governance roles, and efforts to improve work-life balance. The University has developed a new Gender Equality Action Plan for the period 2024–26. This outlines new targets, including initiatives to support better time management and measures to prevent harassment and discrimination. This achievement strengthens the University’s commitment to a fairer and more conscious environment, under international best practices.





# SDG5

GENDER EQUALITY

| THEME                                                     | GOALS AND 2025 TARGET                                                                                                           | ACTIONS 2023-2025                                                                                                                                                                                                                       | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gender balance                                            | <b>Training on unconscious bias</b><br>50% of teachers and administrative technical staff trained in the three year period      | <b>Courses</b> - Development of unconscious bias training courses for teaching and technical and administrative staff                                                                                                                   | <ul style="list-style-type: none"> <li>• Training courses for staff on <b>empowerment, awareness and inclusive language</b></li> <li>• 9.2% of Academic staff and 35.4% of technical and administrative staff involved in training initiatives in the two years</li> <li>• Launch of the <b>"Zero Tolerance"</b> module addressing gender-based violence</li> </ul>                                                                                                                                  |
|                                                           | <b>Academic counseling and scholarships for female students</b><br>+20% Girls@Polimi scholarships                               | <b>Expansion of the educational</b> offering through asynchronous online courses, aimed at reaching a wider student audience                                                                                                            | <ul style="list-style-type: none"> <li>• Development and launch of the <b>MOOC "Educating Against Gender-Based Violence"</b> on the International Day for the Elimination of Violence Against Women</li> <li>• Introduction of the <b>Younicity platform</b> by Valore D, providing wide access to curated content on diversity and inclusion</li> </ul>                                                                                                                                             |
|                                                           |                                                                                                                                 | <b>Academic guidance</b> - Development of communication tools for research and STEM studies that highlight their social impact and strengthening academic guidance programmes and scholarships for female students                      | <ul style="list-style-type: none"> <li>• <b>"IngegnerA? Sì, al femminile"</b> seminar conducted during Open Days: 130 participating students over the two years</li> <li>• Delivery of two courses: "Engineering You Don't Expect: Leading Sustainability, Social Impact and Inclusion" and "Technology for Inclusion" in four secondary schools, engaging around 330 students.</li> <li>• Approx. 200 <b>courses</b> in 93 schools, reaching more than 6,500 students</li> </ul>                    |
|                                                           |                                                                                                                                 | <b>Women's engineering narratives</b> - Strengthening the presence of young female researchers in schools to share experiences and represent Politecnico Enhanced visibility of female experts in media and institutional communication | <ul style="list-style-type: none"> <li>• The <b>"Gender (In)Equality in STEM"</b> training course was delivered to female students in five high schools. It included first-hand accounts from young female researchers, totalling 18 hours of training and reaching 454 students</li> <li>• Dedicated seven-hour preparatory course for 18 participating researchers</li> </ul>                                                                                                                      |
| Enhancing the gender perspective in teaching and research | <b>Enhancing the gender perspective in teaching and research</b><br>Increase in teaching and research projects focusing on SDG5 | <b>Mapping teaching and research</b> - Census of existing teaching and research activities on gender equality and equal opportunities and support for new initiatives                                                                   | <ul style="list-style-type: none"> <li>• <b>Content analysis of gender-related</b> themes in teaching and research through professor mapping and textual analysis tools</li> <li>• <b>10</b> active publicly funded <b>research projects and 24 lectures</b> in the A.Y. 2024-25 addressing <b>SDG5-related</b> topics such as: gender gaps and bias in technological systems, women's entrepreneurship, metropolitan and labour inequalities, media representation of women's identities</li> </ul> |
|                                                           |                                                                                                                                 | <b>Communication</b> - Communication actions to strengthen the visibility of teaching and research results on gender equality issues                                                                                                    | <ul style="list-style-type: none"> <li>• <b>Enhancement of the international days</b> with participation of more than 600 people: screening of C'è ancora domani; stories of two pioneering women in architecture and design; presentation of the MOOC <b>"gender-based violence: how to become an active bystander"</b> panel discussion on female leadership</li> <li>• "Mind the STEM gap - Together" exhibition during the International Day of Women and Girls in Science</li> </ul>            |





# SDG6

## CLEAN WATER AND SANITATION

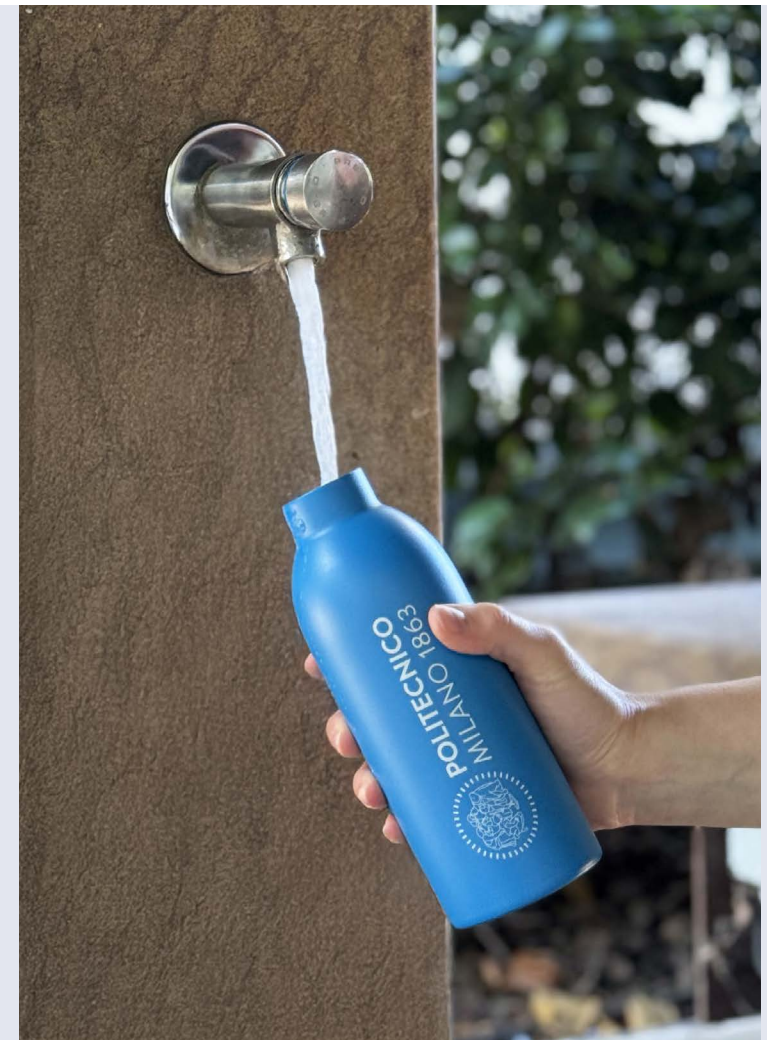
### Projects and initiatives

#### New MOOC 'sustainable water resources management'

In 2024, the MOOC “Sustainable Water Resources Management” was published in “Libreria Zero - Seeding Sustainability Knowledge” at the Politecnico di Milano. This MOOC explores challenges, models, and solutions for ensuring the availability and quality of water, an essential resource threatened by climate change and pollution. It offers skills for understanding the quality, value, and availability of water in relation to its uses, strategies for reducing consumption, and the complexity of infrastructure and technologies for distributing, storing, purifying, and reusing it in water, material, and energy recovery cycles.

#### Water dispensers on campus

To promote increasingly responsible water use and optimize its management through monitoring activities, the Politecnico di Milano is investing on various fronts to enhance this increasingly precious resource. On the one hand, activities have been launched to comprehensively monitor water consumption at various scales, optimize management, and plan adaptation interventions to control water consumption and increase infrastructure resilience. On the other hand, actions have been undertaken to increase the availability of public water supply points for the entire university community and for anyone passing through its campuses). Across the Politecnico campuses, there are over 80 drinking fountains and water dispensers where students can conveniently refill their water bottles, thus helping to reduce the use of single-use plastic. This service aims to significantly reduce the consumption of single-use plastic water bottles within university facilities, raising awareness of the importance of using public water, which is frequently checked to ensure its safety and quality.





# SDG6

CLEAN WATER AND SANITATION

| THEME            | GOALS AND 2025 TARGET                                                                                  | ACTIONS 2023-2025                                                                                                             | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circular economy | <b>Monitoring and eliminating water waste</b><br>Water consumption monitored throughout the University | <b>Monitoring</b> - Mapping the water network and monitoring flows with identification and reduction of consumption and waste | <ul style="list-style-type: none"><li>• Launching the <b>Water Management @Polimi</b> project to create a digitised and connected infrastructure for monitoring, scheduling and managing University water resources</li><li>• Implementing <b>water supply infrastructure mapping</b> and monitoring at building level</li></ul>                                                                                           |
|                  |                                                                                                        | <b>Drinking water</b> - Installation of a widespread network of taps and drinking water dispensers<br><div>NEW</div>          | <ul style="list-style-type: none"><li>• Identifying <b>tall</b> faucets needed to cover the total number of public services in the University</li><li>• Identifying the number <b>ofwater dispensers</b> to cover buildings with classrooms or offices</li><li>• Starting the installation of 80 high faucets out of 320 needed, five water dispensers and planning the installation of an additional 20 by 2025</li></ul> |
|                  |                                                                                                        | <b>Water quality</b> - Monitoring and certification of water quality in the University water network<br><div>NEW</div>        | <ul style="list-style-type: none"><li>• 100% sampling across University buildings and 170 swabs carried out on water dispensers for drinking water quality control in 2023</li><li>• Signing a contract for <b>water quality monitoring</b></li></ul>                                                                                                                                                                      |



# SDG7

AFFORDABLE AND CLEAN ENERGY

## Projects and initiatives

### **Politecnico di Milano is among the founding members of the CER.ca.Mi Solidale association**

The CER.ca.Mi Solidale association – standing for Comunità Energetica Rinnovabile e Cittadinanza Attiva Milano Solidale (Renewable Energy Community and Active Citizenship Milan Solidale), was founded by the Municipality of Milan, Politecnico di Milano, Abitare Società Cooperativa, Associazione Terzo Paesaggio ETS, and Diapason Cooperativa Sociale a.r.l. onlus. Operating within the Milan metropolitan area, the association was established to promote the production, sharing, and self-consumption of renewable energy—supporting decarbonisation while generating economic value to fund socially driven projects in the region. CER.ca.Mi will start its operations through four configurations in the Bovisa, Chiaravalle, Città Studi and Niguarda-Affori districts. By 2025, CER.ca.Mi Solidale will benefit from around 2,000 kWp of photovoltaic systems, to be installed and activated by Politecnico di Milano.

### **EN:lab – New Energy Department Laboratory**

In 2024, EN:lab was inaugurated — a new 6,000 m<sup>2</sup> facility dedicated to the Energy Department at Politecnico di Milano. A pioneering feature of EN:lab is that the building serves as a laboratory, showcasing innovative solutions for integrated, efficient energy management. The building has a large area dedicated to photovoltaic production. Thermal and cooling energy is provided by two high-performance, environmentally friendly reversible air source heat pumps. There are no combustion systems, resulting in zero direct emissions. This building exemplifies the integration of technological innovation and energy efficiency in new construction.





# SDG7

AFFORDABLE AND CLEAN ENERGY

| THEME                      | GOALS AND 2025 TARGET                        | ACTIONS 2023-2025                                                                                                                   | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy and decarbonisation | Energy efficiency<br>-30% energy consumption | <b>Temperature control</b> - Improved regulation of heating and cooling systems by installing environmental controllers/thermostats | <ul style="list-style-type: none"><li>• <b>Ongoing energy monitoring of individual buildings</b> and evening measurement campaigns conducted in nine buildings to identify sources of energy waste</li><li>• Expansion of the network with 67 new electricity meters, installation of occupancy sensors and lighting timers in six buildings in the two-year period, including five in 2024</li><li>• Optimising the air-conditioning system in the premises and laboratories of Building 4 at the Leonardo Campus and renovating the classrooms in Building 14 at the Bonardi Campus</li></ul> |
|                            |                                              | <b>Lighting</b> - Replacing at least 7,000 luminaires per year with LED systems                                                     | <ul style="list-style-type: none"><li>• Replacing &gt;9,700 luminaires with LED systems in 11 buildings over the two-year period</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                            |                                              | <b>Behavioural models</b> - Developing guidelines and initiatives to raise consumer awareness based on individual behaviour         | <ul style="list-style-type: none"><li>• Establishing a Sustainability Working group dedicated to energy saving, with a focus on user behaviour in energy services</li><li>• Creating a best-practice guide on energy-efficient behaviour for departmental users.</li><li>• Creating a best-practice guide for department and laboratory managers to assess the energy impact of equipment and guide energy-saving purchasing decisions</li></ul>                                                                                                                                                |





# SDG7

AFFORDABLE AND CLEAN ENERGY

| THEME                      | GOALS AND 2025 TARGET                                                                                                                                                                                                                    | ACTIONS 2023-2025                                                                                                                                         | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy and decarbonisation | <b>Generation and use of renewable energy</b><br>15% of purchased electricity from renewable sources<br>+5 MW installed PV power<br>Renewable Energy Communities with Solidarity Purposes (CER) active in at least three Milan districts | <b>Photovoltaic power generation -</b><br>Installation of photovoltaic systems averaging 1.7 MW per year                                                  | <ul style="list-style-type: none"><li>• &gt;1,470 kW installed capacity in operation at the end of 2024</li><li>• Additional systems on the Milano Città Studi and Bovisa campuses being installed, totalling &gt;1,800 kW</li><li>• Installation of an extra 130 kW capacity at student residences and the Lecco Campus, which was unplanned</li></ul>                                                                 |
|                            |                                                                                                                                                                                                                                          | <b>Renewable Power Purchase Agreement (PPA)</b> Procurement of at least 10 GWh/year of renewable electricity through a dedicated Power Purchase Agreement | <ul style="list-style-type: none"><li>• Technical and financial feasibility analysis and preparation of the 2025 call for tenders for the PPA (Power Purchase Agreement), to cover the University's full electricity needs (excluding self-produced energy) with certified renewable energy—part of which may be linked to a newly built plant</li></ul>                                                                |
|                            |                                                                                                                                                                                                                                          | <b>Energy Communities</b> - Creation of Renewable Energy Communities (CER) by involving public and private stakeholders                                   | <ul style="list-style-type: none"><li>• Establishment of the CER.ca.MI Solidale ETS association, presented jointly with the Municipality of Milan and other key local partners</li><li>• Participation in the Lombardy Region's "CER - phase 1" call for applications and selection of CER projects in four Milan districts</li><li>• Activation of the first CER plant (photovoltaic Giuriati Sports Centre)</li></ul> |
|                            |                                                                                                                                                                                                                                          | <b>Heat pumps</b> - Replacement of gas-fired generation systems with groundwater heat pump system for the La Masa/Lambruschini Campus                     | <ul style="list-style-type: none"><li>• Ongoing authorisation process for the construction of geothermal wells (Environmental Impact Assessment)</li></ul>                                                                                                                                                                                                                                                              |



# SDG8

DECENT WORK AND ECONOMIC GROWTH

## Projects and initiatives

### Professional training at the Politecnico di Milano

In 2024, training activities for teaching and technical-administrative staff covered a wide range of areas, to promote significant growth in terms of knowledge, skills and experience. The aim was to enhance ambitions and skills, strengthen expertise and provide support to needs and issues. Special attention was paid to sustainability, including ethics, psychological well-being, diversity and inclusion, which were explored in courses such as “Dual Use”, “Artwell Therapy” and “Inclusive Language.” Teaching innovation emerged as one of the most developed areas, with courses including “Generative AI in Education”, “Methodological Meetings and Tools for the Active Classroom”, and “Leveraging Perplexity as a Research and Narrative Tool.” Developing soft skills was a major focus, with communication and science dissemination suggestions. Courses include “Podcast creation - communication and science dissemination”, “Public speaking” and “team building.” To support researchers in advancing their academic careers, the University launched targeted training courses such as “Privacy and Data Management in Research”, “How to Develop an Excellent ERC Project” and “Write a Competitive Proposal”, and “Leadership and People Management – Talent Development”, aimed at enhancing managerial capabilities and project leadership within the academic environment.

### PhD supervisor training courses

Following the pilot success in 2023, the training course for supervising PhD candidates was expanded with three new courses in 2024, involving 93 participants over the two-year period. Designed primarily for young researchers, the course enhanced the speakers’ skills by addressing topics such as mentorship, feedback techniques, research ethics, psychological well-being and stress management, leadership models and the management of diverse research groups. The course included the analysis of significant case studies, was enriched by external trainers.

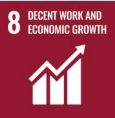




# SDG8

DECENT WORK AND ECONOMIC GROWTH

| THEME                                 | GOALS AND 2025 TARGET                                                                                                                        | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                            | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diversity and inclusion               | <b>Diversity and inclusion training</b><br>50% of professors and 100% of technical and administrative staff trained in the three-year period | <b>Inclusive leadership courses</b> - Development of prototype training courses on inclusion issues focused on inclusive leadership and interpersonal skills for teaching and technical and administrative staff                                                                                                             | <ul style="list-style-type: none"> <li>• Delivery of more than <b>60 courses on inclusion</b>, valuing diversity and inclusive leadership</li> <li>• 24% of professors and 90% of technical and administrative staff trained in the two years</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| People growth and welfare             | <b>Staff training on new skills</b><br>75% of staff trained over the three-year period                                                       | <b>Training of Academic staff</b> - Formalisation of a training plan in teaching, research, soft skills, with a focus on sustainability issues<br><br><b>Training of technical and administrative staff</b> - Increase of customised plans for key roles and focus on the development of sustainability and inclusion issues | <ul style="list-style-type: none"> <li>• 145 courses activated over the two-year period with 2,316 participants (1,186 people) and a <b>Academic staff coverage ratio of 64.5%</b> over the two-year period</li> <li>• Confirmation of the 2025 Plan with more than 50 courses scheduled</li> <li>• 425 courses activated over the two-year period with 6,846 participants (1,324 people) and a <b>coverage rate of almost 100% of technical and administrative staff</b> over the two-year period</li> <li>• Confirmation and publication of the 2025 plan with &gt;150 courses scheduled</li> </ul>                                                                                                                                                                                                                                                                                                |
| Accessibility of spaces and education | <b>Postgraduate support service</b><br>100% students from protected categories employed a year after graduation                              | <b>Partnership expansion</b> - Actions to strengthen networks to ensure adequate placement of graduates from protected categories<br><br><b>Support process</b> - Review of support strategies and monitoring methods                                                                                                        | <ul style="list-style-type: none"> <li>• 349 companies (+16% compared to 2022) and 114 institutions (+8% compared to 2022) with partnerships in place to facilitate the <b>hiring graduates from protected categories</b></li> <li>• The University hosted the <b>Diversity Day</b> event in 2024, featuring 60 company stands and information points and attracting more than 700 participants</li> <li>• Partnership with Afol Citta Metropolitana di Milano and SiR Consortium of social cooperatives for <b>job placement support</b></li> <li>• Participation in the Coordination of Lombardy Universities for Disability (C.A.L.D.) by coordinating the management of the "Managing Disability" platform</li> <li>• Two <b>mentoring programmes for protected categories</b> dedicated to inclusion: Eight companies involved (four in 2024) and 26 total participants (12 in 2023)</li> </ul> |



# SDG8

DECENT WORK AND ECONOMIC GROWTH

| THEME                            | GOALS AND 2025 TARGET                                                                                    | ACTIONS 2023-2025                                                                                                                                                 | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethical and responsible research | Training researchers on research ethics and impact<br>150 researchers trained over the three-year period | <b>Research impact assessment</b> - Design and delivery of training activities on research impact analysis and self-assessment, with a focus on young researchers | <ul style="list-style-type: none"><li>• Practical training of more than 100 professors and <b>researchers in research impact assessment and reporting</b>, by drafting more than 20 knowledge valorisation case studies for the VQR process</li><li>• <b>Mapping the research impact</b> of 64 projects in one department, involving relevant Academic staff (156 professors)</li><li>• <b>Awareness-raising and training</b> activities on <b>research impact assessment</b> in Digital Innovation Observatories: organisation of a webinar (96 participants), a workshop (30 participants) and several awareness-raising events in 2024</li></ul> |
|                                  |                                                                                                          | <b>Dual use training</b> - Design and delivery of training activities for Academic staff on the dual use of technologies                                          | <ul style="list-style-type: none"><li>• Design and delivery of a <b>training course on the dual use of</b> technologies</li><li>• 23 participants in the 2024 pilot</li><li>• Presentation of the new calendar programme 2025 in the relevant Department Boards</li></ul>                                                                                                                                                                                                                                                                                                                                                                           |
|                                  |                                                                                                          | <b>Planning training activities</b> - organisation of short events for a wide audience                                                                            | <ul style="list-style-type: none"><li>• Organisation of five events open to the public (<b>conferences, lectures, workshops</b>) by the <b>META - Social Sciences and Humanities For Science and Technology</b> unit, for about 250 participants</li></ul>                                                                                                                                                                                                                                                                                                                                                                                          |





# SDG9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

## Projects and initiatives

### Living labs in Politecnico research

Research projects aiming at establishing living labs, research and innovation ecosystems involving local authorities, institutions, researchers, companies and citizens in the process of co-designing, testing, monitoring and evaluating new solutions in real contexts to accelerate their adoption, are steadily increasing. With the support provided by the Horizon Europe Missions research funding programmes, NRRP and internal Polisocial Award competition, which earmarks the proceeds of the university's 5x1000 to fund research projects with a high social impact, two projects for the development of living labs were launched in 2023 (on soil recovery and water system management) and four in 2024 (on urban sustainability, soil recovery and circularity in the fashion and food supply chains). These projects combine laboratory and field research activities with partnership and stakeholder engagement initiatives. Two more projects will be launched in 2025, with a focus on agricultural landscaping and nature-based solutions for the sanitation of contaminated soil.

### Innovation for sport and inclusion

Politecnico di Milano opened A.Y. 2024-25 by focusing on the sport and its role in education and unity. In her welcome address, the Rector highlighted the University's wide-ranging research activity in the field of sport, spanning engineering applications, infrastructure, technology, and design. Particularly noteworthy were the testimonies of students and alumni who, alongside their academic journeys, had become Paralympic athletes - a clear demonstration of how sport can serve as a powerful tool for personal growth and breaking down barriers. The presence of world champion cyclist Filippo Ganna underscored the importance of merging research and technology to enhance sporting performance, with Ganna referencing the numerous trials conducted in the University's Wind Tunnel.





# SDG9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

| THEME                                             | GOALS AND 2025 TARGET                                                                                                                                                                                              | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Diversity and inclusion</b>                    | <b>Research on inclusive technologies</b><br>A portfolio of technology for inclusion projects<br>Annual selection and awarding of a flagship                                                                       | <b>Technology mapping</b> - Audit of ongoing research in inclusive technologies<br><br><b>Communication</b> - Initiatives to increase visibility of inclusion efforts, including engagement with partner companies and the non-profit sector                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>Presentation of initial case studies as part of National Resilience and Recovery Plan (NRRP) academic guidance courses in secondary schools (2023)</li> <li><b>Mapping of inclusive technologies publications and projects</b> carried out by a Department</li> <li>Extending this mapping process to other Departments</li> <li>Events held to mark the International <b>Day of Persons with Disabilities</b> in both years, featuring mentoring sessions and presentations of inclusive research at Politecnico di Milano</li> <li><b>292 participants in events and mentoring courses</b> (including 110 participants in the Polimi Inclusion "Beyond Sight" event in 2024)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sustainable development in research topics</b> | <b>Living Lab Development</b><br>5 projects funded for the development of living lab in the three year period<br><br><b>Creation of Major New Infrastructures</b><br>3 new laboratory facilities on sustainability | <b>EU Missions</b> - Promoting participation in EU Missions call for applications (Horizon Europe) for the development of SDGs-related living labs and development of internal funding instruments for excellent proposed projects even if not funded by the EU<br><br><b>Polisocial Award</b> - Politecnico di Milano's research funding programme for projects with high social impact — has been directed towards the development of living labs.<br><br><b>Large laboratories</b> - Financing and setting up new laboratory facilities to support high-tech research on major sustainability challenges | <ul style="list-style-type: none"> <li>Sharing the EU Missions programme with Department Research Delegates</li> <li>Matchmaking activities and identification of calls potentially relevant to each department</li> <li><b>Three EU Missions research projects</b> launched: LandShift and iCOSHELLs (Mission Soil: soil health and recovery), URBREATH (joint call Mission Cities and Mission Adaptation: urban sustainability and climate neutrality); <b>two NRRP MUSA research projects</b> funded and started: Too Cool to Go Wasted (textiles and fashion) and Circular Food System Lab (food chain and circular economy)</li> <li><b>Polisocial Awards 2023 and 2024</b> dedicated to Off Campus projects, to support research in the field and the community: <b>12 projects</b> funded in the two calls</li> <li><b>two living labs</b> funded in Off Campus Nosedo, as part of the DROPS (water management, already started) and ECHOES (knowledge and care of the agricultural landscape, to be started in 2025) projects</li> <li><b>NEXTBUILD Lab</b> dedicated to architecture and the sustainable built environment, with a focus on people's well-being: completion of lab construction work and installation</li> <li><b>Marine Energy Flume laboratory</b> focused on renewable energy from wave energy: executive project, definition of the criteria for the upcoming tender process</li> <li><b>Life Science Laboratory</b> for interdisciplinary health and life science research: identification of laboratory space and technical manager; surveys for upgrading and adaptation of facilities</li> </ul> |



# SDG9

INDUSTRY, INNOVATION AND INFRASTRUCTURE

| THEME                                      | GOALS AND 2025 TARGET                                                                                                                                                                             | ACTIONS 2023-2025                                                                                                                                                                                                    | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable development in research topics | <b>Leadership in scientific research on sustainability issues</b><br>SDGs focus in 40% of scientific Publications<br>Exhibition trail of innovative technologies applied to campus sustainability | <b>Publications</b> - Analysis of sustainability content in publications and training and awareness-raising initiatives for professors                                                                               | <ul style="list-style-type: none"> <li>• <b>Sustainability content</b> analysis of <b>publications</b> on the Scopus database using Elsevier methodology: more than 2,000 products published in 2024 with a strong SDGs connection</li> <li>• Development of a first version of a <b>textual analysis application capable of mapping SDGs on publications</b> in IRIS (internal research database): more than 900 non-bibliometric products published in 2024 with strong SDGs connection</li> <li>• Implementation of a <b>training webinar</b>, available to the internal community</li> </ul>                                                                                                                                                                                                                                                                          |
|                                            |                                                                                                                                                                                                   | <b>Innovative technologies</b> - Identification of technological products and services on sustainability issues developed by the University's research to be applied and made visible on campuses                    | <ul style="list-style-type: none"> <li>• <b>Definition of project orientation</b> and collection of proposals from Campuses and their departments</li> <li>• Project development and definition of fundamental elements: central hub, distributed totems, laboratories and technologies, virtual hub</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                            |                                                                                                                                                                                                   | <b>International networks and leading companies</b> - Systematic engagement with major university networks, international research centres, and partner companies on cutting-edge topics in sustainability research. | <ul style="list-style-type: none"> <li>• <b>Networks on open science topics</b> - Active involvement in EOSC (European Open Science Cloud), with representation in each of the network's four task forces, and in ICDI (Italian Computing and Data Infrastructure); participation in the CESAER task force on "Openness of Science &amp; Technology."</li> <li>• <b>Participation in KICs and other Horizon Europe partnerships:</b> Climate KIC; EIT Raw Materials; Urban Mobility KIC; Circular Bio-Based Europe; Zero-Emission Road Transport (2ZERO); Clean Hydrogen; Batteries: Towards a competitive European industrial battery value chain (BATT4EU)</li> <li>• Initiating dialogue with the main networks in which the university participates (Alliance4Tech, IDEA League, ENHANCE) and with the companies involved in the Joint Research Platforms.</li> </ul> |



# SDG9

INDUSTRY, INNOVATON AND INFRASTRUCTURE

| THEME                            | GOALS AND 2025 TARGET                                             | ACTIONS 2023-2025                                                                                                                                                                       | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethical and responsible research | Open science<br>Drafting of university guidelines on open science | <b>Open science model for research management</b> - Development of university guidelines to support data sharing, open science logic methods and results under European networks (EOSC) | <ul style="list-style-type: none"><li>Establishment of <b>open science guidelines</b> on <b>open access</b> and <b>open data</b> principles</li><li>Participation in <b>national and European round tables</b>: APRE - FAIR Data, CESAER - Task Force "Openness of science and technology", ENHANCE Alliance, ICDI (Italian Computing and Data Infrastructure)</li><li>Participation in the <b>Coalition for Advancing Research Assessment</b> (CoARA) and <b>European Open Science Cloud</b> (EOSC) partnership</li><li><b>More than 360 PhD candidates and research fellows trained</b> in open science principles during the two-year period</li></ul> |
|                                  |                                                                   | <b>Citizen science</b> - Development of research activities involving citizenship in Off Campus spaces and living labs                                                                  | <ul style="list-style-type: none"><li>Development of research projects <b>aimed at the Off Campus community</b>, including five research projects Polisocial Award 2023, Abitare San Siro, Atlante San Vittore Vocabolario di quartiere Nolo e San Vittore, ONFOODS - Nolo</li></ul>                                                                                                                                                                                                                                                                                                                                                                      |





# SDG10

REDUCED INEQUALITIES

## Projects and initiatives

### Polimi inclusion: beyond the sight

To mark the International Day of Persons with Disabilities 2024, Politecnico di Milano hosted a dedicated awareness event focused on visual impairment. The initiative offered participants a first-hand experience of university life from the perspective of students with low vision. The 110 attendees took part in a simulated university lecture using assistive tools and technologies typically employed by visually impaired students, gaining insight through practical simulations of partial and total visual impairment. As part of the event, participants took part in a walk in the dark – a sensory experience designed to simulate navigating the university as a visually impaired student, along with a presentation showcasing the University's key research projects in this field.

### Parasports for all

On 12 October 2024, Politecnico di Milano hosted 16 parasport disciplines at the Giuriati Sports Centre, including climbing and baseball for the blind, Paralympic athletics, handbiking, wheelchair hockey and fencing, blind tennis, five-a-side football, wheelchair archery, calisthenics, blind chess, volleyball, bocce, rhythmic gymnastics, baskin, and wheelchair rugby. The participants, with and without disabilities, could take part in the activities with the support of specialised associations. In addition, the University presented several research projects focusing on sport, disability, and social inclusion. The event, organised in collaboration with the Cariplo Foundation, was held under the patronage of the Lombardy Region, the Municipality of Milan, CONI, and CIP.





# SDG10

REDUCED INEQUALITIES

## Projects and initiatives

### Diversity day

In May 2024, Politecnico di Milano hosted Diversity Day, a national careers event dedicated to individuals with disabilities and those belonging to protected categories. The event brought together more than 700 participants and approximately 60 companies, promoting social and professional inclusion while encouraging the corporate sector to embrace integration and equal opportunities. The day included an opening workshop with contributions from institutional representatives, company delegates, and personal stories, and an exhibition area to facilitate dialogue, networking, and career guidance. A key highlight of this year was a new focus on neurodiversity, with dedicated spaces and tailored digital interactions introduced to foster a more inclusive and accessible environment.

### Implementation of the architectural barrier removal plan

The Architectural Barrier Removal Plan (PEBA) was published In January 2024. It maps the accessibility situation on the University's campuses, and highlights existing architectural barriers, particularly for users with motor disabilities. In addition to identifying existing barriers, the plan suggests solutions for overcoming them and adapting facilities, with an initial estimate of the investment needed to make significant progress towards full physical accessibility at the University. The initial works will concern lifts, classrooms, libraries and refreshment areas, and then extend to more complex buildings.





# SDG10

## REDUCED INEQUALITIES

| THEME                                 | GOALS AND 2025 TARGET                                                                                                                                                                                                                                                              | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                                              | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diversity and inclusion               | <b>Listening to needs using climate surveys</b><br>Delivery of climate surveys for different groups and analysis of results                                                                                                                                                        | <b>Involvement</b> - Administration of climate surveys to the entire community (Bachelor's, Master's and PhD candidates, teaching and administrative staff) by 2024<br><br><b>Critical issues analysis</b> - Identification of key issues related to Diversity & Inclusion (D&I) emerging from climate survey findings                                                                                         | <ul style="list-style-type: none"> <li>• Delivery of <b>student and PhD surveys</b> in 2024 (submission deadline in 2025)</li> <li>• Delivery of <b>staff surveys</b> (teaching and technical and administrative staff) in 2023</li> <li>• Analysis and presentation of staff survey results, including departmental and division-specific meetings focused on each body.</li> <li>• Organisation of <b>team building</b> and training initiatives for professors and technical and administrative staff</li> <li>• Designing <b>coaching initiatives</b> in 2025</li> </ul>                                                                                                                                                                                                                                                                                             |
|                                       | <b>Strengthening inclusion</b><br>Extension of services to support international students from non privileged back-grounds <b>UPDATE</b><br>Extension of reception activities for the international community <b>UPDATE</b><br>Strengthening initiatives for the LGBTQI+ Community | <b>Support programmes for international students</b> - Development of new tools for "Diritto allo Studio" and inclusion<br><br><b>Regulation review</b> - Review of University policies to enhance inclusivity (e.g. extension of alias identity options to academic and administrative staff)                                                                                                                 | <ul style="list-style-type: none"> <li>• Expansion of <b>Welcome Week with 22 events</b> held in September 2024, attracting 14,957 attendees from among the 5,104 enrolled international students</li> <li>• Expansion of the Buddy project (3,847 enrolled) with eight new activities for students involved (454 total participants)</li> <li>• Implementation of the <b>alias protocol</b> for professors and technical and administrative staff</li> <li>• Event held on Alias Careers at University to raise awareness and support inclusion of individuals undergoing gender transition (142 participants)</li> <li>• Approval of proposal to amend Rector's titles on <b>Degree Certificates</b></li> </ul>                                                                                                                                                        |
| Accessibility of spaces and education | <b>Full accessibility of spaces and education</b><br>100% students with SLDs and disabilities supported with ad-hoc programmes and full access to facilities                                                                                                                       | <b>PEBA</b> - Finalisation and Implementation of the Plan for the Elimination of Architectural Barriers (PEBA)<br><br><b>Barrier removal</b> at the design stage<br>- Revision of regulations to remove architectural barriers at the design stage<br><br><b>Politecnico - City Interconnection</b> - Implementation of the MEP (Maps for Easy Paths) app to provide external mapping of campus accessibility. | <ul style="list-style-type: none"> <li>• Drafting and analysis of the <b>PEBA</b> and identifying priorities</li> <li>• Planning 2024-25 and <b>implementing the first measures</b>: extension of transponder locks in the toilets for people with disabilities, adapting refreshment areas with microwaves and extraordinary maintenance of lifts</li> <li>• New building works in compliance with accessibility regulations</li> <li>• <b>Abolition</b> of existing <b>architectural barriers</b> when renovating buildings and spaces</li> <li>• Start drafting <b>guidelines for full accessibility</b> of new university spaces</li> <li>• <b>MEP application</b> being installed on the University server</li> <li>• Engagement with the Municipality of Milan to use the data that will be made public in view of the Milan Cortina 2026 Olympic Games</li> </ul> |



# SDG10

REDUCED INEQUALITIES

| THEME                                   | GOALS AND 2025 TARGET                                                | ACTIONS 2023-2025                                                                                                                                                                         | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Financial support and student mentoring | Tutoring for study support<br>Less than 10% first-year drop-out rate | <b>Communication and Awareness-raising</b><br>– Implementation of awareness-raising initiatives towards students to increase awareness of study support services active in the university | <ul style="list-style-type: none"><li>• Delivery of the “<b>Learning to Learn</b>” course for first-year students, with 317 participants in the two-year period</li><li>• Delivery of <b>maths and physics revision courses</b> for first-year students</li><li>• Publication of MOOCs on core subjects for first-year students</li></ul> |
|                                         |                                                                      | <b>Learning analytics</b> - Increased use of learning analytics tools to monitor the careers of students in difficulty and identify the need for tutoring                                 | <ul style="list-style-type: none"><li>• A <b>dashboard</b>, available to Schools since 2023, is used to identify and monitor students most at risk of dropping out and to provide them with targeted peer-to-peer tutoring.</li></ul>                                                                                                     |
|                                         |                                                                      | <b>Student involvement</b> - Monitoring student (tutees) participation in tutoring                                                                                                        | <ul style="list-style-type: none"><li>• Monitoring student (tutees) participation in tutoring activities through <b>TutorApp</b> and integration of the app with the monitoring dashboard to support analysis and decision-making processes</li><li>• 2,292 student tutees and 1,240 student tutors participating</li></ul>               |





# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

## Projects and initiatives

### “Gli artisti sono quelli che fanno casino”

The ReverseLab project at Off Campus San Vittore, run by Politecnico di Milano, transformed a previously uninhabitable space within San Vittore Prison into a hub for artistic and cultural expression. In September 2024, the exhibition “GLI ARTISTI SONO QUELLI CHE FANNO CASINO – Frammenti dal carcere di San Vittore”, opened as a site-specific installation by artist Maurice Pefura, created with the involvement of over 40 inmates. The exhibition and the revitalised space were visited by a wide inside and outside public, giving this space back to the institution and the city. With over 800 visitors and more than 200 press mentions, the project generated significant public and media attention.

### Inauguration of the milan bovisa bike station

During World Bike Day - 3 June 2024 - Politecnico di Milano's third bike station was inaugurated at the Bovisa - La Masa Campus. During the event, bicycle bells and lights were distributed, which are essential for cyclist safety. The new infrastructure has 72 park-up spaces, 16 bicycle parking bays, an equipped cycle workshop and a Bike Repair Station, and eight parking spaces for scooters with electric charging outlets. The bike station complements the two existing facilities at the Leonardo and Bovisa Durando campuses, bringing the total to 132 bicycle parking spaces and 14 scooter bays across the University's three bike stations. Access is granted via badge or PoliCard.





# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

## Projects and initiatives

### Polisocial Award 2024

In 2024, Politecnico di Milano launched the 11th Polisocial Award, a competition funded through the 5x1000 IRPEF contributions collected by the University. The initiative supports research projects that generate high impact and recognised social value. The 2024 event was dedicated to Proximity Innovation, to strengthen the University's role in processes in underserved areas, in close synergy with the Off Campus programme and spaces, which serve as drivers of local social innovation. Seven of the 12 submitted projects received funding, helping to strengthen existing research and initiate new lines of inquiry in their respective fields.

### Sport@OffCampus: sport as a widespread tool for inclusion

In 2024, the first few Politecnico di Milano Off Campus sports projects were developed. These activities were designed to reflect the distinctive character of each local context, working in synergy with ongoing projects and community networks already active in those spaces. The first event was dedicated to Cascina Nosedo, south of Milan, and the projects it hosts; starting from Campus Leonardo by bicycle, participants stopped at different points in the area with the support and guidance of local guides. In Nolo, northeast of the city, the University chess association Scacchi Polimi organised a children's chess course. In San Vittore Prison, sport took centre stage as Politecnico's male and female football teams played two triangular matches against inmate teams, in partnership with the You Sport association.





# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

| THEME                | GOALS AND 2025 TARGET                                                                                                     | ACTIONS 2023-2025                                                                                                                                                              | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Proximity innovation | <b>Strengthening the Off Campus system</b><br>2,500 students involved in Off Campus activities over the three-year period | <b>Training</b> - Organisation of training to involve university and high school students in Off Campus spaces                                                                 | <ul style="list-style-type: none"> <li>• <b>Involvement of more than 1,100 students</b> in research, teaching (courses and workshops, internships and theses, paid partnerships) and neighbourhood service activities</li> <li>• <b>Involvement of more than 350 children and young people</b> on Off Campus projects in partnership with local stakeholders (Coding School; Girls' After-School; Coding Bricks; PTCO; ReverseLab)</li> </ul>                            |
|                      |                                                                                                                           | <b>Mentoring and volunteering</b> - Involvement of students and student associations through collaborative, cultural and voluntary activities                                  | <ul style="list-style-type: none"> <li>• <b>Partnership with five student associations</b> on voluntary, cultural and project activities: Suspended; neighbourhood cleaning; guitar course for young people in the San Siro neighbourhood; meeting on Muslim culture, recreational meeting on chess with Nolo primary school</li> </ul>                                                                                                                                  |
|                      |                                                                                                                           | <b>Support for research projects</b> - Support for professors in the development of projects and institutional relations with cross-campus partnerships                        | <ul style="list-style-type: none"> <li>• Drafting <b>project proposals for activities in the Off Campus</b>, including one submitted in 2024 (CIMEA on educational and digital poverty)</li> <li>• Supporting the application of the Off Campus initiative within festivals, for funding and prizes</li> <li>• Two awards (Seoul Design Award 2023 and ADI Index 2024)</li> <li>• Presentation of the Off Campus programme at the <b>New European Bauhaus</b></li> </ul> |
|                      |                                                                                                                           | <b>Cultural events</b> - Planning of cross-campus events that intercept city events and reviews promoted by the Politecnico (ArchWeek, Festival of Sustainable Development...) | <ul style="list-style-type: none"> <li>• Participation in eight <b>Milan weeks</b> and Polimi <b>festivals</b> (Polimi Fest) delivering more than 90 public events via Off Campus across two years</li> <li>• Involvement in Design Week, Festival of Sustainable Development, ArchWeek, Milano Green Week, Book City, Civil Week, Milano Digital Week, and Universities Unveiled - National University Day</li> </ul>                                                   |



# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

| THEME                                 | GOALS AND 2025 TARGET                                                                                                                              | ACTIONS 2023-2025                                                                                                                                                       | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable building and green spaces | <b>Building redevelopment</b><br>Plan for the redevelopment of the building stock<br>3 renovated buildings<br>Climate change adaptation strategies | <b>Redevelopment plan</b> - Definition of an energy redevelopment plan for all University buildings, identifying financial benefits and decarbonisation potential       | <ul style="list-style-type: none"> <li>Analysis and classification of <b>building-specific consumption</b></li> <li>First version of the <b>energy upgrading plan</b>, with analysis of a minimum and a more virtuous trajectory</li> <li>Insight into the first trajectory and the link with fire prevention building standardisation</li> </ul>                                                                                                                                                                            |
|                                       |                                                                                                                                                    | <b>Building renovation</b> - Identification of priority building works and completion of refurbishment works for at least three of the least energy-efficient buildings | <ul style="list-style-type: none"> <li><b>Overall redevelopment of Building 4</b> at the Leonardo Campus: cladding energy requalification and installations refurbishment</li> <li><b>Renovation of the roof and part of the fixtures of Building 5</b> at the Leonardo Campus and initiation of the procurement process for full works</li> <li>Commencement of <b>works to upgrade the tower of Building 6</b> at the Leonardo Campus: replacement of windows and air-conditioning systems in laboratory spaces</li> </ul> |
|                                       |                                                                                                                                                    | <b>Existing buildings</b> - Replacement of remaining original doors and windows in the historic building (Leonardo Campus)                                              | <ul style="list-style-type: none"> <li>Replacement of window frames in Building 4 and part of Building 5, start of replacement works in the laboratory tower in Building 6 and planning the replacement of part of the window frames in Building 2 at the Leonardo Campus</li> <li>Completion of <b>the redevelopment of the facades of Building BL26</b> at the Bovisa Campus</li> </ul>                                                                                                                                    |
|                                       |                                                                                                                                                    | <b>Adaptation Plan</b> - Analysis of the risks, Politecnico adaptation potential and drafting a Climate Change Adaptation Plan for the University's campuses            | <ul style="list-style-type: none"> <li>Working group establishment and initiation</li> <li>Drafting a table of contents and document with the <b>Adaptation Plan's</b> preliminary contents</li> </ul>                                                                                                                                                                                                                                                                                                                       |





# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

| THEME                | GOALS AND 2025 TARGET                                                                                                                                                      | ACTIONS 2023-2025                                                                                                                                                                                   | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable mobility | <b>Modal share of private motorised vehicles</b><br>-15% "private motorised transport" modal share for students<br>-20% "private motorised vehicles" modal share for staff | <b>Pedestrianisation</b> – Pedestrianisation of part of the Durando Campus, Leonardo Campus and Via Pascal                                                                                          | <ul style="list-style-type: none"><li>• <b>De-paving and pedestrianisation</b> in the Durando Campus in progress (completion expected in 2025): 18,500m<sup>2</sup> made car-free, reduction of about 75 parking spaces</li><li>• Planning pedestrianisation works at the Leonardo Campus</li></ul>                                                                                                              |
|                      |                                                                                                                                                                            | <b>Subsidised travel passes</b> - Increased funds allocated for the purchase of travel passes for the university community and an increase in users benefiting from sustainable mobility agreements | <ul style="list-style-type: none"><li>• <b>&gt;3,000 subsidised travel passes</b> for University staff over the two-year period, with a funding of more than €450,000.</li></ul>                                                                                                                                                                                                                                 |
|                      |                                                                                                                                                                            | <b>Regional engagement</b> - Dialogue with relevant bodies to monitor the quality and reliability of public transport and the possibility to extend cycle routes to University campuses             | <ul style="list-style-type: none"><li>• Development of Sustainable <b>Mobility Working group projects</b>: bike-friendly routes, awareness campaigns and Local Public Transport incentives</li><li>• Establishment of a <b>round table</b> involving the Sustainable Mobility Working group, Municipality of Milan and AMAT for the "Sustainable Mobility Friendly Cities" project</li></ul>                     |
|                      |                                                                                                                                                                            | <b>Monitoring and planning</b> - Analysis of transport methods of the University community to and from campuses                                                                                     | <ul style="list-style-type: none"><li>• Release of the <b>Home-University Travel Plan 2024</b> and processing Mobility Survey 2024 results</li><li>• <b>Modal share 2024</b>: Public transport: 49% students, 47% staff; public + private transport: 25% students, 13% staff; Car/motorbike: 9% students, 20% staff; Bikes/ electric scooters: 6% students, 11% staff; On foot: 10% students, 9% staff</li></ul> |



# SDG11

SUSTAINABLE CITIES AND COMMUNITIES

| THEME                | GOALS AND 2025 TARGET                                                                       | ACTIONS 2023-2025                                                                                                                                                                 | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable mobility | Promotion of active and sustainable mobility<br>+10% of users accessing campuses by bicycle | <b>Infrastructure supporting active mobility</b><br>- Investment in changing rooms with showers in campus buildings, electric bike charging stations, bike and scooter stands     | <ul style="list-style-type: none"><li>• Planning of approximately <b>800 additional bicycle parking spaces</b> compared to the 1,300 available at the University in 2023 and start of the first installations</li><li>• Construction of the <b>La Masa bike station</b>: 88 bicycle parking spaces, eight parking spaces for electric scooters with recharging and a Bike Repair Station</li><li>• <b>Survey of shower facilities</b> at the Milano Città Studi, Milano Bovisa and Lecco, Mantua and Piacenza campuses (61 showers in 30 buildings)</li></ul> |
|                      |                                                                                             | <b>Safety</b> - Development of an app indicating access cycle routes to campuses and their safety levels                                                                          | <ul style="list-style-type: none"><li>• Development of an “App for promoting cycling and pedestrian mobility” in the Sustainable Mobility Working group</li></ul>                                                                                                                                                                                                                                                                                                                                                                                             |
|                      |                                                                                             | <b>Awareness-raising and engagement</b><br>- Information campaigns, participation and organisation of initiatives (including training) to promote active and sustainable mobility | <ul style="list-style-type: none"><li>• <b>“Electric cars and batteries: state of the art”</b> training initiative during the European Mobility Week 2023 (74 participants)</li><li>• <b>“Road safety training day”</b> during the European Mobility Week 2024 (75 participants); safe driving training course at the ACI-SARA Safe Driving Centre (79 participants); “Ecoverso R-Ace” event at the Lecco Campus (117 participants)</li><li>• Inauguration of La Masa bike station with local stakeholders (approx. 50 participants)</li></ul>                |

## SDG12

RESPONSIBLE CONSUMPTION AND PRODUCTION

## Projects and initiatives

## RE-CIG

In July 2024, Politecnico di Milano launched a new initiative for the collection and recycling of cigarette butts, combining environmental protection with education. This project aims to curb littering particularly the improper disposal of small waste like cigarette butts and promote circular economy practices by transforming waste into resources used to create new products. On the Milan campuses, 20 smoker points were installed, each capable of collecting up to 1,500 cigarette butts. These points are equipped with educational panels highlighting the environmental damage caused by improper disposal of this type of waste.

## LCA Network

The establishment of the Polimi LCA Network in 2024 marked a significant step forward in advancing sustainability research within the University. This network brings together professors and researchers who apply Life Cycle Assessment (LCA) methods to diverse fields. LCA is an analytical and systematic approach to assess the environmental footprint of a product or service throughout its life cycle. It is an essential tool to guide actions and policies oriented towards environmental, social and economic sustainability. The network will play a strategic role in supporting the university in the scientific evaluations underlying operational decisions, which will generate a tangible impact on the Politecnico community. The network's objectives include sharing expertise, strengthening interdisciplinary partnerships between departments and spreading awareness of the importance of LCA in research and teaching.



## SDG12

## RESPONSIBLE CONSUMPTION AND PRODUCTION

| THEME            | GOALS AND 2025 TARGET                                                                                                                   | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circular economy | <b>Monitoring and reducing waste</b><br>Re-use of 60% of assets no longer useful<br>Monitoring 100% of waste produced in the University | <p><b>Reduction of disposable products</b> - Implementing actions such as the use of "washable" dishware, replacement of paper towels by electric hand dryers, and increasing the digitalisation of documents</p> <p><b>Prevention and waste sorting</b> - Initiatives to raise awareness of waste reduction and support the reuse of goods and strengthening the waste sorting system</p> <p><b>Ecological areas and waste monitoring</b> - Expansion of ecological areas to improve management and enable more effective monitoring of waste production and waste sorting quality</p> <p><b>Innovation initiatives</b> - Local organic waste management with compost and biogas/biomethane production</p> <p><b>Regional partnerships</b> - Participation in projects initiated by the city of Milan and Lombardy Region</p> | <ul style="list-style-type: none"> <li>Launching an <b>experiment to remove disposable products</b> (reusable crockery for on-site consumption and own containers for take-away) in the Lecco Campus refreshment area</li> <li>The new catering tender for Campus Bovisa also <b>mandates zero disposable tableware</b>.</li> <li>Digitalisation of the asset re-use process <b>to develop a web application</b></li> <li>Renewing the <b>waste sorting collection points</b> (1,000 bins purchased), placement of 31 containers for the collection of small <b>WEEE</b> (Waste Electrical and Electronic Equipment) and <b>spent batteries</b> and 20 <b>smoker points</b> for collecting and recycling cigarette butts</li> <li>Enhanced waste management during <b>graduation days</b>, in partnership with AMSA</li> <li>Analysis of experimental monitoring results for 12 waste collection points in the <b>NANDO project</b>: collection improved by 18%</li> <li><b>Commodity analyses</b> on three groups (paper, plastic and metal, mixed waste): 46.5% recyclable material in the undifferentiated waste</li> <li>Monitoring results: &gt;15 tonnes paper, &gt;11 tonnes plastic and metal, &gt;40 tonnes unsorted waste, collected in six months</li> <li>Ongoing project to <b>extend the collection of organic waste</b>: new procurement process for related bins placed throughout the University</li> <li><b>Partnership with AMSA</b> for waste sorting during graduation day, goods analysis and weighing</li> <li><b>Partnership Projects</b>: "Smart" NANDO collection (with AMSA-A2A-Relearn), Small WEEE and Batteries (with AMSA; WEEE Coordination Centre, National Coordination Centre for Batteries and Accumulators), Toner (with 00Toner), Cigarette butts (with Re-Cig), inner tubes and PVC sheets (with Cingomma)</li> </ul> |





# SDG13

## CLIMATE ACTION

## Projects and initiatives

### CO<sub>2</sub> Mitigation Plan

In 2024, Politecnico di Milano released the second edition of its CO<sub>2</sub> Mitigation Plan, which outlines measures in the energy and mobility sectors aligned with the Strategic Sustainability Plan's objectives: -25% in CO<sub>2</sub> emissions by 2025, -50% by 2030, and carbon neutrality by 2040. The document presents two scenarios: a baseline scenario with eight targeted actions, and a more ambitious target-oriented scenario with 16 strategic actions and higher investment to accelerate progress towards the 2030 targets. Both scenarios allow the University to meet its 2025 emissions target, incorporating external factors beyond institutional control and internal variables, directly influenced by the University's commitment. Estimated investment required: €22 million for the baseline scenario and €70 million for the target-oriented scenario.

### Climate Change Adaptation Plan

Considering of the increasing impacts of climate change, planning adaptation strategies has become a priority for the Politecnico di Milano to ensure the resilience of both environmental and social systems. In 2024, the process of drafting the Climate Change Adaptation Plan was launched, with its publication scheduled for the end of 2025. In addition to providing an in-depth analysis of the climatic context and an assessment of the main risks associated with environmental changes affecting the University, the document will define the objectives and strategies needed to promote an adaptive and resilient institution. The analysis will focus in particular on the main climate-related hazards—such as heatwaves, heavy rainfall and flooding, strong winds and hail, as well as periods of drought. Potential adaptation actions will also be examined, with particular attention to the upgrading of buildings and infrastructure, the integration of nature-based solutions, the strengthening of climate emergency management, and the promotion of responsible and sustainable individual behaviors.





# SDG13

## CLIMATE ACTION

| THEME                                     | GOALS AND 2025 TARGET                                                                                                                                          | ACTIONS 2023-2025                                                                                                                                                                   | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energy and decarbonisation                | <b>CO<sub>2</sub> emissions reduction</b><br>-25% by 2025 vs 2015<br>-50% by 2030 vs 2015<br>Net zero by 2040                                                  | Measures related to energy (consumption reduction and energy transition), mobility, and sustainable building included in the Plan contribute directly to this objective.            | <ul style="list-style-type: none"> <li>Participation in the "Climate City Contract" programme led by the Municipality of Milan</li> <li>Completion of the 2022 CO<sub>2</sub> emissions inventory and update of the 2023 inventory (being finalised)</li> <li>Inventory started in 2024 – emissions from electricity and gas consumption: 15,218 ton<sub>CO<sub>2</sub></sub> from electricity and gas consumption in 2024 (-28% in 2024 vs 2015 per capita; -26% vs 2022 per capita)</li> <li>Approval and publication of the CO<sub>2</sub> <b>Mitigation Plan</b></li> </ul>  |
|                                           |                                                                                                                                                                | <b>Climate Change Research</b> - Survey of research activities in the University on the topic                                                                                       | <ul style="list-style-type: none"> <li>First mapping of research products on climate change</li> <li>Identification of &gt;200 Scopus-indexed publications and 83 non-bibliometric research products strongly aligned with SDG13 in 2024 (based on textual analysis)</li> <li>18 research projects on SDG13 started in 2024</li> </ul>                                                                                                                                                                                                                                           |
| Sustainable construction and green spaces | <b>New building projects</b><br>New "Net Zero Carbon" (NZC)<br>Bovisa Nord Campus<br>100% of new projects implemented following sustainable building standards | Net <b>Zero Carbon (NZC) standard for Politecnico</b> - Definition and application of a Net Zero Carbon (NZC) standard in the design of new buildings and spaces                    | <ul style="list-style-type: none"> <li>Executive design for the new Bovisa Nord Campus with the Zero Energy (Net Zero Operational Carbon) objective (1) Optimising <b>passive design</b> to minimise energy needs; (2) Optimising <b>active design</b>, with high-efficiency plants able to modulate operation based on needs and heat recovery systems; (3) Power supply from <b>renewable energy sources</b> (photovoltaics and groundwater) with production from photovoltaics expected to be 3,700 MWh/year, against total expected consumption of 4,800 MWh/year</li> </ul> |
|                                           |                                                                                                                                                                | <b>Minimum sustainability requirements</b> - Definition and application of minimum sustainability requirements when designing buildings and installations                           | <ul style="list-style-type: none"> <li>Launching a round table for developing "<b>Sustainable Building Recommendations</b>"</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                           |                                                                                                                                                                | <b>Regional partnerships</b> - Dialogues with the city of Milan for impact assessments and connection with the new PGT (Piano di Governo del Territorio - Regional Government Plan) | <ul style="list-style-type: none"> <li>New Bovisa Nord Campus impact assessment underway</li> <li>Dialogue with the City of Milan on <b>new pedestrianisation and active mobility projects</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                        |



# SDG13

CLIMATE ACTION

| THEME                | GOALS AND 2025 TARGET                                                  | ACTIONS 2023-2025                                                                                                                                                   | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable mobility | Mobility CO <sub>2</sub> emissions<br>-15% emissions for campus access | <b>Smart working</b> - Initiatives to coordinate smart working for emission reduction purposes                                                                      | <ul style="list-style-type: none"><li>• Analysis of the different types of remote work that can be activated and approaches to rotating on-site workstations</li><li>• <b>Pilot project</b> launched in selected offices at the Bovisa Campus</li></ul>                                                                                                                               |
|                      |                                                                        | <b>Charging points</b> - Doubling of electric vehicle charging points                                                                                               | <ul style="list-style-type: none"><li>• Installation of <b>40 charging points</b> in 2023</li><li>• Monitoring the use of charging points (2024 and 2025) to evaluate a possible expansion with low-power and high-power charging points</li></ul>                                                                                                                                    |
|                      |                                                                        | <b>Transport emissions</b> - Calculation of CO <sub>2</sub> emissions from campus access, internal staff projects, mobile students, and University service vehicles | <ul style="list-style-type: none"><li>• Inventory finalisation 2022 - mobility share: total emissions from mobility 2022 of 16,302 t<sub>CO2</sub> of which 13,907 t<sub>CO2</sub> from campus access</li><li>• Preliminary estimate of emissions per campus access based on the Mobility Survey 2024: about <b>-8% CO<sub>2</sub> emissions per campus access vs. 2022</b></li></ul> |



# SDG14

LIFE BELOW WATER

## Projects and initiatives

### eWHALE

The eWHALE project tackles the challenges of monitoring marine biodiversity and generating reliable datasets—crucial for supporting policymakers—through an innovative strategy based on the use of environmental DNA (eDNA). By collecting water samples during whale watching excursions and research cruises, the project captures genetic traces left by whales and other marine species. These are analyzed with advanced molecular techniques to gain insights into the structure of megafauna populations and the trophic networks that sustain them. By combining scientific research, technology, and public participation, eWHALE transforms whale watching into a citizen science activity capable of producing high-resolution spatial and temporal data, valuable for the conservation and sustainable management of marine ecosystems. Thus, eWHALE lays the groundwork for a new model of accessible and collaborative marine biomonitoring, capable of providing crucial knowledge for more effective conservation policies and strengthening the dialogue between science, industry, and society in the protection of the oceans.

### Bluescape

Bluescape is an innovative project dedicated to the study of “blue carbon” and its role in combating climate change. Focused on the Pelagos Sanctuary, the program aims to provide a comprehensive assessment of the amounts and flows of carbon stored in marine ecosystems, including the contribution of the pelagic domain and the role of marine mammals in the carbon cycle. Through an interdisciplinary approach, Bluescape explores how the activities of whales and dolphins — from feeding to defecating at the surface — promote water fertilization and phytoplankton growth, a key element in CO<sub>2</sub> absorption and oxygen production. At the same time, the project highlights the importance of *Posidonia oceanica*, an endemic Mediterranean seagrass whose complex root system represents an exceptional carbon reservoir. By combining advanced scientific research with environmental conservation, Bluescape seeks to outline the potential of the Pelagos Sanctuary as a model for climate adaptation, while reinforcing the importance of its protection.







# SDG15

LIFE ON LAND

## Projects and initiatives

### La Goccia

Work continues on the construction of the new Bovisa Nord Campus, presented by architect Renzo Piano as an “open, green and permeable” space, as part of the redevelopment of a total area of 32 hectares. The buildings will be constructed on the site’s existing built-up area, beyond which extends a 24-hectare woodland that will be preserved, enhanced, and made accessible to citizens, with no new roads or constructions introduced.

All campus buildings will be made with predominantly timber structures. The trees planted within the campus will, over a period of thirty years, regenerate the same amount of wood mass used in the construction of the buildings. Large trees will be integrated among the new structures, creating a green connective fabric that brings together architecture and nature. In 2024, the first section of the project was completed and opened to the public: in February, the Gasometric Park was inaugurated, conceived to offer spaces for community gathering and well-being. The park provides new green areas and features courts for basketball, five-a-side football, volleyball, padel, bocce, and an area dedicated to calisthenics, enriching the redevelopment project and contributing to the enhancement of the entire district.

### Durando greening project

The de-impermeabilization and greening works at the Durando Campus are continuing, with the aim of mitigating and adapting to climate change. The initiative seeks to reduce hydraulic risk and frequent flooding, while increasing biodiversity and improving the usability of outdoor spaces. The project involves the redevelopment of external areas through various interventions, including the replacement of over 10,000 m<sup>2</sup> of asphalt pavement with permeable surfaces and the creation of rainwater drainage systems based on Nature-Based Solutions (NBS) and Sustainable Drainage Systems (SuDS) — sustainable urban drainage solutions that serve as alternatives to traditional systems. Further actions include the redevelopment of 4,400 m<sup>2</sup> of existing green areas and the naturalization of spaces through the introduction of water features and streams, as well as new tree planting covering approximately 1,900 m<sup>2</sup>, which will further enhance the Campus’s biodiversity. At the same time, the redefinition of open spaces has been initiated to promote outdoor study, social interaction, recreation, and relaxation, thereby improving environmental comfort and the overall well-being of the university community.





# SDG15

LIFE ON LAND

| THEME                                 | GOALS AND 2025 TARGET                                                                                      | ACTIONS 2023-2025                                                                                                                                          | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable building and green spaces | Soil restoration and nature-based solutions<br>25,000 m² of land restored through green or de-sealed areas | Restoration of soil consumption - De-sealing of the Durando Campus                                                                                         | <ul style="list-style-type: none"><li>Starting <b>de-sealing</b> in the new “<b>car free</b>” area at the Durando Campus</li><li>&gt; <b>10,000m²</b> covered by <b>the works</b>, of which 6,300m² is green (4,400m² existing green redevelopment and 1,900m² new green areas)</li></ul>                                                                                                                                                                                                                                                                                                                                            |
|                                       |                                                                                                            | Heat islands - Identification of critical pathways in terms of heat exposure and installation of shading structures, with preference for natural solutions | <ul style="list-style-type: none"><li><b>Roofing of the external terrace</b> at the Bonardi Campus</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                       |                                                                                                            | Green - Revision/renewal of existing green areas to maximise tree coverage, biodiversity, and soil permeability                                            | <ul style="list-style-type: none"><li>Redevelopment of the <b>outdoor park of Building 26</b> at the Leonardo Campus (3,835m²) and the “Goccia” area for the creation of the <b>Parco dello Sport</b> at the Bovisa Nord Campus (12,000m²)</li><li>Redevelopment and expansion of <b>green areas at the Durando Campus</b>: 4,400m² of existing green redevelopment and 1,900m² of new green areas</li><li>Designing additional <b>green</b> areas (Smerlo Park 2,000m² and Leonardo Gardens 100m²) and new green spaces (pedestrianisation Via La Masa 1,300m², Leonardo Gardens 400m² and pedestrianisation Via Bonardi)</li></ul> |



# SDG16

PEACE, JUSTICE AND STRONG INSTITUTIONS

## Projects and initiatives

### Complexity of the Global Geopolitics

To explore the complexities of an era marked by economic, political, environmental and social uncertainties and crises, Politecnico di Milano launched a seminar series called “Complexity of the Global Geopolitics.” in 2024 Organised in partnership with ISPI - Istituto per gli Studi di Politica Internazionale - the meetings provide an open and informed look at different regions of the world, analysing their main socio-economic and geopolitical dynamics. The initiative is part of science diplomacy and internationalisation training activities, offering a global framework to understand the University role in international relations and sustainable development policies.

### META – Social Sciences and Humanities for Science and Technology

The META research group produces and disseminates knowledge and expertise on philosophical, epistemological, ethical and social issues related to scientific research, technological development, design and innovation. In 2024, META promoted a series of events on topical ethical and scientific issues. Seven META Lectures were organised with leading experts, including Roberto Fumagalli (King’s College) and Jonathan Osborne (Stanford University). In addition, the unit held 11 interdisciplinary conferences, including “Vulnerability & AI - Rethinking the Human”, in partnership with G. D’Annunzio University, to explore the implications of artificial intelligence on human life.





# SDG16

PEACE, JUSTICE AND STRONG INSTITUTIONS

| THEME                | GOALS AND 2025 TARGET                                                                                                             | ACTIONS 2023-2025                                                                                                                                                                        | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gender Balance       | <b>Gender Balance</b><br>40% female representation of new researchers in the University governance<br>30% gender balanced courses | <b>Gender Equality Plan (GEP)</b> - Drafting of the new Gender Equality Plan for 2024-2026, ensuring it is fully integrated within the broader Diversity & Inclusion Sustainability Plan | <ul style="list-style-type: none"> <li>Presentation of the <b>Gender Equality Plan 2024-26</b> to Senate and Board of Governors and related publication</li> </ul>                                                                                                                                                                                                                                                                                      |
|                      |                                                                                                                                   | <b>Mentorship programmes</b> - Launch of mentorship programmes for female students, PhD candidates and researchers, with mentors chosen from university staff and alumni                 | <ul style="list-style-type: none"> <li>Implementation of the first <b>mentorship programme</b> with 19 participating PhD candidates and eight mentors involved in 2023</li> <li>Delivery of three <b>"Women Mentoring"</b> events in 2024 for female engineering students, with 52 participants</li> <li>Delivery of two <b>"Leadership Tips for Women in Technical Roles"</b> events in 2024 for female students, involving 52 participants</li> </ul> |
|                      |                                                                                                                                   | <b>Gender equality certification</b> - Quality certification process for the University's gender equality action plan and management system<br><div>NEW</div>                            | <ul style="list-style-type: none"> <li>Obtainment of <b>Gender Equality</b> Certification under UNI/PdR 125:2022 by the certifying body RINA</li> </ul>                                                                                                                                                                                                                                                                                                 |
| Proximity Innovation | <b>A "sustainable model" of proximity social innovation</b><br>Strategic plan for "sustainable" development                       | <b>Organisation model</b> - Strengthening initiative coordination and activity planning actions                                                                                          | <ul style="list-style-type: none"> <li><b>Completion of the new</b> Off Campus organisation model, to be implemented in 2025</li> </ul>                                                                                                                                                                                                                                                                                                                 |
|                      |                                                                                                                                   | <b>Financial model</b> - Identification of funding sources and design of Polisocial Award competitions with a focus on neighbourhood social innovation                                   | <ul style="list-style-type: none"> <li>Completion of the Off Campus financial sustainability model, to be implemented in 2025</li> <li>12 <b>research projects funded</b> for Polisocial Award 2023 and 2024 on Off Campus, four of which strengthen previous projects (€ 1,000,000 funding)</li> </ul>                                                                                                                                                 |
|                      |                                                                                                                                   | <b>Evaluation and impact</b> - Construction of a stable impact evaluation model and identification of recognition and incentives for involved teachers and students                      | <ul style="list-style-type: none"> <li>Completion of the <b>Off Campus Impact Assessment</b> and presentation of the project as a case study of Knowledge Enhancement in VQR4</li> </ul>                                                                                                                                                                                                                                                                |





# SDG16

PEACE, JUSTICE AND STRONG INSTITUTIONS

| THEME                                   | GOALS AND 2025 TARGET                                                                                                                                                                                                                                     | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                                     | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ethical and responsible research</b> | <b>Skills on ethics and philosophy of science</b><br>A researcher on ethical and social issues in each department                                                                                                                                         | <b>Strengthening of resources</b> – Inclusion of a resource in each university department to support interdisciplinary research on scientific and technological innovation through collaboration with the humanities and social sciences                                                                                                                                                              | <ul style="list-style-type: none"> <li>Approval by the Academic Senate of <b>resources for the placement of professors and researchers</b> with the required profile and collection of departmental needs</li> <li>Two <b>new Tenure Track Researcher positions</b> advertised, one of which is already active</li> <li>20 young researchers (RTD, RTT, Post-doctoral researchers) in 11 Departments</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Science Diplomacy</b>                | <b>Cooperation and development (responsible research and institutional capacity building)</b><br>12 international initiatives in partnership with other universities or local stakeholders in areas facing critical challenges over the three-year period | <b>Funding</b> - Strengthening the attractiveness of funding for research projects from cooperation agencies, development banks and international organisations<br><br><b>Allocation</b> of funds - Allocation of funds to foster partnerships of Politecnico researchers in developing country areas (focus Africa)<br><br><b>Legacy management</b> - Continuation of active partnership initiatives | <ul style="list-style-type: none"> <li><b>Six new projects to attract funding</b> of more than €1.4 million were initiated. The funding was for four NRRP projects “Transnational Education”, MAECI G7 Africa and Italian Agency for Development Cooperation (AICS)</li> <li>Four important <b>events for debate</b> with Development Cooperation players (Director of AICS; MAECI; Consorzio SPeRA - Solidarietà, Progetti e Risorse per l’Africa; convegno CUCS Firenze 2024)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                         | <b>Partnerships with international organisations</b><br>6 structured and continuous relationships over the three-year period                                                                                                                              | <b>Diplomatic relations</b> - Strengthening Italian and international diplomatic relations<br><br><b>International Organisations</b> - Partnerships with international organisations in a multi-stakeholder perspective including institutional players to address major global challenges                                                                                                            | <ul style="list-style-type: none"> <li><b>Launching and continuing initiatives:</b> Three institutional training projects, two Erasmus+ projects in Kenya and Ghana, four Polisocial Award 2022 research projects for local development in the Democratic Republic of Congo, Madagascar, Algeria and Brazil</li> <li>OECD-DAC 2023 and 2024 mapping, mapping 2025 started</li> <li><b>Meetings within advocacynetworks:</b> at VIU - Venice International University; round tables of the European Commission’s General Directorate for Research and Innovation; Central European Initiative meeting with ambassadors from Southern and Eastern Europe</li> <li>Launching the governance model (<b>University Platform</b>) for partnerships with international bodies</li> <li>Call for applications for <b>three interdisciplinary “Science in Policy” PhD scholarships</b></li> <li>Two renewals of <b>UNESCO Chairs</b> (Department of Energy and Mantua Campus)</li> <li><b>Four agreements signed</b> by the University with international organisations such as UNHABITAT - Metropolitan Vulnerability, IAEA - Nuclear energy education, WHO - Design &amp; Health, WFP - Sustainability and Reusability of Products</li> </ul> |



# SDG16

PEACE, JUSTICE AND STRONG INSTITUTIONS

| THEME             | GOALS AND 2025 TARGET                                                                                                                      | ACTIONS 2023-2025                                                                                                                                                                                                                                                                              | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Science Diplomacy | <b>Science diplomacy training</b><br>60% young researchers and PhD candidates trained in science diplomacy over the three-year period      | <b>Training of young researchers-</b><br>Implementation of at least one training activity annually on science diplomacy with internal and external, national and international professors<br><br><b>PhD</b> - Activation of a permanent (annual) course in science diplomacy in the PhD School | <ul style="list-style-type: none"> <li>• Training for 15 students in cooperation with CoLomba</li> <li>• Cycle of six events <b>"Complexity of The Global Geopolitics"</b> in cooperation with ISPI for professors, researchers and technical and administrative staff (approx. 600 participants)</li> <li>• Launching the design of a <b>MOOC on science diplomacy</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                   | <b>Advocacy networks for science diplomacy</b><br>Active participation in six networks or advocacy actions to guide international policies | <b>Participation in networks/think tanks</b> -<br>Confirming the university's participation in international networks and projects linking research, education and policymaking                                                                                                                | <ul style="list-style-type: none"> <li>• <b>Participation in six advocacy networks:</b> EU Science Diplomacy Alliance, Science Diplomacy Working Groups of the European Commission, agreement with Link2007, Central European Initiative Science Diplomacy network multi-stakeholder round table Lombardy Region, and National Council for Cooperation and Development</li> <li>• <b>Four</b> Italian-level <b>advocacy actions</b> for MUR, MAECI, CRUI on science diplomacy issues in 2023</li> <li>• <b>Mapping projects in Africa</b> within the Mattei Plan and the "Outposts in Africa" of Italian universities in 2024</li> <li>• Five advocacy actions to inform international policies in 2024: Generation Cooperation event with CoLomba, "Cross-Continental Teaching Collaborations" workshop promoted by IDEA League, LEAP-RE event, "Science and Research in the Africa Just Energy transition" event, second meeting of Africa G7 Directors @Polimi</li> </ul> |



# SDG17

PARTNERSHIPS FOR THE GOALS

## Projects and initiatives

### Polimi for Non Profit

Polimi for Non-Profit (P4NP) is an initiative to provide integrated services to non-profit organisations in the Non-profit sector. Based on a hub-and-spoke model that draws on several structures across the University, P4NP coordinates and optimises institutional resources, making them available through a dedicated area on the University website. To initiate the programme, a mapping exercise of non-profit-sector organisations (Enti del Terzo Settore, ETS) was carried out in 2024 in partnership with University departments. The analysis identified around 380 organisations, with more than 600 active partnerships in research, placement, teaching, and project development. In 2025, a prototype service package will be developed and presented to the mapped non-profit-sector organisations (ETSs), with a focus on two key areas: vocational training and career services. Professional training, in cooperation with Politecnico di Milano Consortia, will include workshops, short courses, online training modules and more structured courses such as master's degrees. The customised Career Service will provide a digital matching system between supply and demand for internships and job placement opportunities for students and graduates at non-profit-sector organisations. Non-profit-sector organisation involvement initiatives will be integrated into curricular education and targeted volunteer programmes, involving professors, staff and students. The goal is to create a bridge between the Politecnico expertise and sector needs, fostering synergies and tangible impacts.

### Volunteering opportunities for students

Four agreements with major non-profit organisations are in place to channel voluntary opportunities among Politecnico students, particularly tutoring and mentoring projects. With Save the Children (Volunteers for Education project) and Fondazione Cariplo (TOP – Tutoring Online Program), students can apply to tutor children and adolescents in primary, middle, and secondary schools. With Associazione Deina, through the Auschwitz Reminder project, students may participate in an educational initiative on the Holocaust either as attendees or trained tutors. Through Refugees Welcome Italy's EmpowerED project, students can become mentors for young refugees, whether enrolled in education or not. These volunteering opportunities are promoted through targeted student communications and University-led awareness events, although they are fully managed by the partner institutions.





# SDG17

PARTNERSHIPS FOR THE GOALS

| THEME                                             | GOALS AND 2025 TARGET                                                                                                                                                 | ACTIONS 2023-2025                                                                                                                                                                                        | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sustainable development in research topics</b> | <b>Interdisciplinary research</b><br>60 PhD scholarships funded on SDGs topics over the three-year period                                                             | <b>SDGs Scholarships</b> - Funding of interdisciplinary PhD scholarships for basic research with SDGs focus                                                                                              | <ul style="list-style-type: none"> <li>Allocation of <b>47 interdisciplinary SDGs-themed PhD scholarships</b> over the two-year period (12 SDGs covered) with an investment of approximately €3.6 million</li> </ul>                                                                                                                                                                                                                                                                                           |
| <b>Sustainability in curricular teaching</b>      | <b>"Zero Library" of courses on sustainability topics for students</b><br>Implementation of the course library<br>Adoption of the library in 100% of study programmes | <b>Library architecture design</b> - Designing content based on School needs                                                                                                                             | <ul style="list-style-type: none"> <li><b>Definition of the library architecture</b>, finalisation of the MOOC format and identification of additional existing educational resources (including 27 'Sustainability' MOOCs and additional 19 with references to sustainability)</li> </ul>                                                                                                                                                                                                                     |
|                                                   |                                                                                                                                                                       | <b>Development of MOOC modules</b> - Identification of professors to be involved and implementation of training modules in MOOC format (open courses, available online)                                  | <ul style="list-style-type: none"> <li>Selection of <b>more than 20 possible sustainability topics</b> for the Zero Library</li> <li>Identification of professors and production of the first five "Zero Library" MOOCs within the first six months of 2025</li> </ul>                                                                                                                                                                                                                                         |
|                                                   |                                                                                                                                                                       | <b>Involvement of Schools and Study Programmes</b> - Involvement of Schools in adopting the library within study programmes so that each Course has at least one teaching activity that uses the library | <ul style="list-style-type: none"> <li>Involvement of Headmasters and presentation of the project in School Boards</li> <li>Involvement of Course Coordinators to <b>gather topics of most interest</b> through dedicated surveys</li> </ul>                                                                                                                                                                                                                                                                   |
|                                                   |                                                                                                                                                                       | <b>Enhancing the library</b> - Identifying the potential for using the library in pre-university education and Lifelong Learning                                                                         | <ul style="list-style-type: none"> <li>Identification of Zero Library MOOCs to be used for <b>training professors and administrative and technical staff</b></li> <li>Designing the Zero Library in <b>open mode</b>, to make it usable in pre-university education and Lifelong Learning.</li> </ul>                                                                                                                                                                                                          |
|                                                   | <b>Transversal paths related to sustainable development</b><br>Enhancing study paths with a focus on sustainability<br><div>UPDATE</div>                              | <b>Designing the educational offer</b> - Analysis of existing education and identification of potential interconnections between study programmes on sustainability issues                               | <ul style="list-style-type: none"> <li><b>Curricular mapping</b> at the level of Master's Degree tracks revealed 28 out of 145 tracks with a strong sustainability orientation.</li> <li>Identification of potential <b>cross-curricular elements</b> in the identified tracks</li> <li>Development of an initial version of a textual analysis application to map the SDGs within the teaching: <b>36% of teaching activities with a strong SDGs connection</b> (more than 4,000 courses analysed)</li> </ul> |





# SDG17

PARTNERSHIPS FOR THE GOALS

| THEME                     | GOALS AND 2025 TARGET                                                                                                                                                                         | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lifelong learning         | <b>Specialising Masters on sustainability</b><br>2,500 hours dedicated to sustainability in master's and postgraduate programmes<br>1,000 participants in sustainability master's and courses | <b>Improvement and strengthening of existing training</b> - Redesigning training in Politecnico-accredited postgraduate programmes to prepare responsible sustainability professionals<br><br><b>Design of new specialising masters programme</b> - Development of postgraduate courses (master's degrees and courses) with a prevailing focus on sustainability | <ul style="list-style-type: none"> <li>Analysis of sustainability content in postgraduate education and mapping postgraduate programmes with a focus on sustainability</li> <li><b>4,453 hours dedicated to sustainability in master's and accredited postgraduate courses</b></li> <li>20 specialising masters with sustainability focus mapped</li> <li><b>Eight new specialising masters with a focus on sustainability</b> such as the green transition and sustainable resource management, approved in the two-year period</li> </ul>                                                               |
| Proximity innovation      | <b>Platform for regional partnerships</b><br>200 organisations involved in Off Campus activities over the three year period                                                                   | <b>Milan University Network and Higher Education</b> - Strengthening partnerships with universities involved in Off Campus activities or related contexts<br><br><b>Strengthening relations and agreements</b> - Development of contacts with institutions for the activation of formal agreements related to the project                                        | <ul style="list-style-type: none"> <li>Stipulation of an <b>agreement</b> with Università degli Studi di Milano</li> <li>Seven <b>broad and strategic partnerships</b>, five of which were launched in 2024: Associazione Tech7 ETS, Associazione Terzo Paesaggio, Università Statale, Associazione Genitori Ciresola, Cooperativa Equa, Il Vespaio ETS, and Associazione Forme Tentative ETS</li> <li>23 partnership agreements in publicly funded projects (six of which in 2024)</li> <li>78 <b>partnerships on projects and services</b>, including Polisocial Award projects (25 in 2024)</li> </ul> |
| People growth and welfare | <b>Contribution to the Non-profit sector</b><br>10% of staff involved                                                                                                                         | <b>Non-profit sector engagement</b> - Involvement of teaching and administrative technical staff in Non-profit sector initiatives, according to their available time, skills and preferences                                                                                                                                                                     | <ul style="list-style-type: none"> <li>Systematic mapping of <b>&gt;380 Non-profit sector organisations with which the university has existing relations</b> with more than 500 people involved in services, regional innovation, development cooperation, research, consultancy, and teaching</li> </ul>                                                                                                                                                                                                                                                                                                 |



# SDG17

PARTNERSHIPS FOR THE GOALS

| THEME                                    | GOALS AND 2025 TARGET                                                                                                                                                   | ACTIONS 2023-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ACTIVITIES AND RESULTS 2023-2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Collaboration with the non-profit sector | <b>Mapping the social innovation expertise system</b><br>Complete mapping (100%) of University activities                                                               | <b>Expertise mapping</b> - Definition and testing of expertise mapping methodology on social innovation (teaching, competitive and consultancy research)                                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Social Innovation Skills Mapping <b>100% implemented</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                          |                                                                                                                                                                         | <b>Polimi/Non-profit sector report</b> - Mapping Projects with the Non-profit sector                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ul style="list-style-type: none"> <li><b>Mapping existing relations and services</b> with the Non-profit sector: more than 600 partnerships with more than 380 Non-profit sector players</li> </ul>                                                                                                                                                                                                                                                                                                                                  |
|                                          | <b>Building the network of partners and participants</b><br>50 players involved in defining challenges and needs                                                        | <b>Promotion and development of partnerships</b> - Network building activities through the co-design of an action plan                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ul style="list-style-type: none"> <li><b>Identification of the needs and potential demand of the Non-profit sector</b></li> <li>Involvement of University governance and Bodies (Departments, Schools, Consortia, Career Service) in defining the range, the service provision methods and the target groups</li> </ul>                                                                                                                                                                                                              |
|                                          | <b>Definition and co-design of the Polimi4nonprofit action platform</b><br>50 players involved in the development process<br>Operational construction with user testing | <b>Defining the Platform for Action</b><br>- Co-design of the mission, management structure, activities, services, partnership building criteria and access to services<br><br><b>InternshipProgramme</b> - Implementation of a matchmaking system for the organisation of internships of master's degree students and recent graduates in Non-profit sector organisations<br><br><b>Development of the Digital Platform</b><br>- Planning and co-designing (with the partner network) of the platform's services, related management and scheduling model | <ul style="list-style-type: none"> <li>Definition of the "hub&amp;spoke" model with identification of roles and services</li> <li>Finalisation of <b>four services identified</b> for activation: vocational training, career service and job placement, involvement in curricular teaching, and volunteering</li> <li>Designing the information architecture for Non-profit sector organisations within the <b>new Career Service platform</b></li> <li><b>Designing web area content</b> to support the service provided</li> </ul> |



