CAMPUS UPC SOSTENIBLE 2030

CONTENTS

Presentation of the Plan

Over twenty-five years have passed since the UPC approved its first environmental plan in 1996. In terms of sustainability, a lot has changed since then: the regulations, social perceptions, CO_2 concentration, the associated climate emergency and biodiversity. However, what has remained the same is the support and impetus of a community that wants to live and work in a healthy environment and contribute to making this planet an enduring place.

This **2030 UPC Sustainable Campus Plan** was drawn up from around 1000 contributions of the entire university community. It reflects this spirit and incorporates the urgent changes and requirements of the environment in recent years and those that the university community considers necessary for the future. It is a strategic proposal for the University to become a leader in sustainability in the areas of management and the community.

The five key ideas of the 2030 UPC Sustainable Campus Plan are:

- **Draw on experience.** The Plan is a continuation of the UPC's long, fruitful sustainability journey, particularly in the areas of energy and the circular economy. It incorporates the climate action strategy promoted since 2019.
- **New healthy campus area.** This is an institutional response to an emerging demand that combines challenges of promoting health and environmental quality with improvements in the experience on campuses.
- **SDGs and the 2030 Agenda.** The Plan directly promotes nine SDGs, four of them as thematic areas. The rest of the SDGs are addressed in other strategic plans of the UPC: the cooperation, inclusion, equality and social engagement plans of the UPC.
- **Focus on the campus and the community.** To achieve greater impact of the Plan, the focus is on sustainable campus management in thematic areas and on the community in cross-cutting areas.
- **Planetary boundaries.** The Plan reinforces the idea of a global emergency and of the responsibility and challenges that we have as the UPC with respect to planetary boundaries.

The document is divided into four clearly differentiated parts.

A. Frame of reference presents cross-cutting aspects such as the creation of the Plan, its strategic framework, its background, the agents involved and governance.
B. Sustainable campus management presents the sixteen challenges for 2030 that the community identified during the participation process, grouped into four **thematic areas**: climate action, energy transition, responsible consumption and healthy campus.
C. Sustainable community describes the four challenges to address by 2030 in relation to the community, grouped into three **cross-cutting areas:** leadership in the environment, culture of sustainability and CampusLab.
D. The actions that will be carried out in 2022 and 2023, with specific objectives, operational responsibilities, resources and indicators.

FRAME OF REFERENCE

1. Background

In 1996, the UPC approved the **First Environment Plan**, a pioneering initiative that was followed by a second plan in 2002. In the framework of a cross-cutting strategic focus on greening that affected research, teaching, management and communication, there was, for example, a great emphasis on greening of curricula or the definition of environmental criteria for buildings and campuses, which were incorporated in the new campus of the Baix Llobregat.

From the **First UPC Sustainability Plan (2006)**, the strategic focus had a participative design and incorporated a broader vision as it shifted from an environment approach to that of sustainability. Thus, it joined forces with initiatives that were already consolidated, such as the UNESCO Sustainability Chair. As a result of this new period, institutional commitments were made, including the UPC's Sustainability Declaration by the University Senate (2007), the compulsory sustainability and social engagement competency in all bachelor's degrees (2008), and the creation of the University Research Institute for Sustainability Science and Technology (2010).

In the midst of an economic recession, the **Second UPC Sustainability Plan (2011)** was designed. Given the need to dramatically cut costs, an Energy Saving Plan (2011-2014) was promoted that helped to contain and control energy spending and to realise the usefulness of having invested in continuous monitoring. This was the first project to consciously involve the community collaboratively in internal sustainability projects.

In 2015, a **sustainable mobility policy** was approved that framed some institutional decisions and addressed the relationship with municipalities in which the University has campuses. This was particularly relevant for the new Diagonal-Besòs campus, to ensure access by public transport. In 2016, the **UPC Recircula strategy** was promoted, which in recent years has enabled the organisation of institutional action on the circular economy and has led to management improvements (for example, UPC Recircula recycling points) and collaborative initiatives such as the Recircula Hub. The same year, the **2020 UPC Energy Plan** was approved. This plan continued to focus on saving and efficiency, but above all it gave impetus to renewable energy installations at the UPC, a topic that had been pending for many years. As a result of student pressure, in 2020 the UPC approved the first **Climate Action Strategy** in Spain. In the same year, the **Social Engagement Plan** was approved. This covers sustainability strategies, among other factors.

In all these strategies, decisive factors have been the pressure and involvement of the community and the increasing openness and relationship with the surrounding environment on these issues. Technical and policy teams have coordinated and promoted the initiatives, but without a committed community they would never have advanced. The new stage that is beginning is based on consolidated knowledge, new challenges that are increasingly critical and a community that has come together over the years. The issue of sustainability is now of central importance, and we draw on this background to create new responses.

Background by thematic area

In the thematic area of **climate action**, in 2019 the UPC University Senate approved a climate emergency declaration, which demanded prioritisation of "all measures designed to place the UPC at the forefront of the fight for a sustainable society". In October 2020, the climate action strategy was approved. The first carbon inventory of the UPC was presented, the University joined the Catalan Government's Programme for Voluntary CO_2 Reporting, and the points of the adaptation and mitigation strategy began to be developed. 2030 UPC Climate Action Strategy.

In the **energy area**, the UPC has been building an energy transition strategy based on monitoring (SIRENA), communication and community involvement, and synergies between research and campus management. This is achieved through research and teaching projects that take advantage of the campuses as a laboratory (CampusLab). In this way, considerable success has been achieved in the reduction of energy consumption, as shown in the Energy Saving Plan (2011-2014), through which a 27% reduction in consumption was achieved and economic savings of 4 million euros. In recent years, considerable investments in renewable energies on different campuses and in energy efficiency have been added to this low-cost strategy. Currently, the second stage of the Solar Campus is being constructed. With this, the University will have photovoltaic power of 660 kWp. Progress report

In the area of **responsible consumption**, the UPC Recircula Strategy has steered the course of actions, with experiences that have an impact on management, such as greening the cleaning service or introducing the UPC Recircula recycling points model for separate waste collection. Over these six years, the Recircula Meeting has been held annually. At the event, experiences of sustainable management of resource consumption have been shared and made visible. The launch of the Recircula UPC-AMB Hub, promoted by the Barcelona East School of Engineering (EEBE), has also been a leading initiative on circular economy knowledge and practice. In its framework, four editions of the university competition Recircula Challenge and two editions of the Circular Economy Awards for the best final theses have been held. Progress report

For many years, actions have been taken to promote health. They include the provision of facilities and services for physical activity, support for the emotional wellbeing of students through the psychological support service, and initiatives focused on promoting biodiversity and sustainable mobility. During the process of drawing up the Plan, it became evident that it is important to coordinate all actions in a connected way and make them more visible to the community. Consequently, one of the four areas of the Plan will be the **Healthy Campus**, which will address challenges to improve the environmental quality of buildings and campuses, and promote healthier lifestyles. Progress report

2. Participation process to draw up the Plan

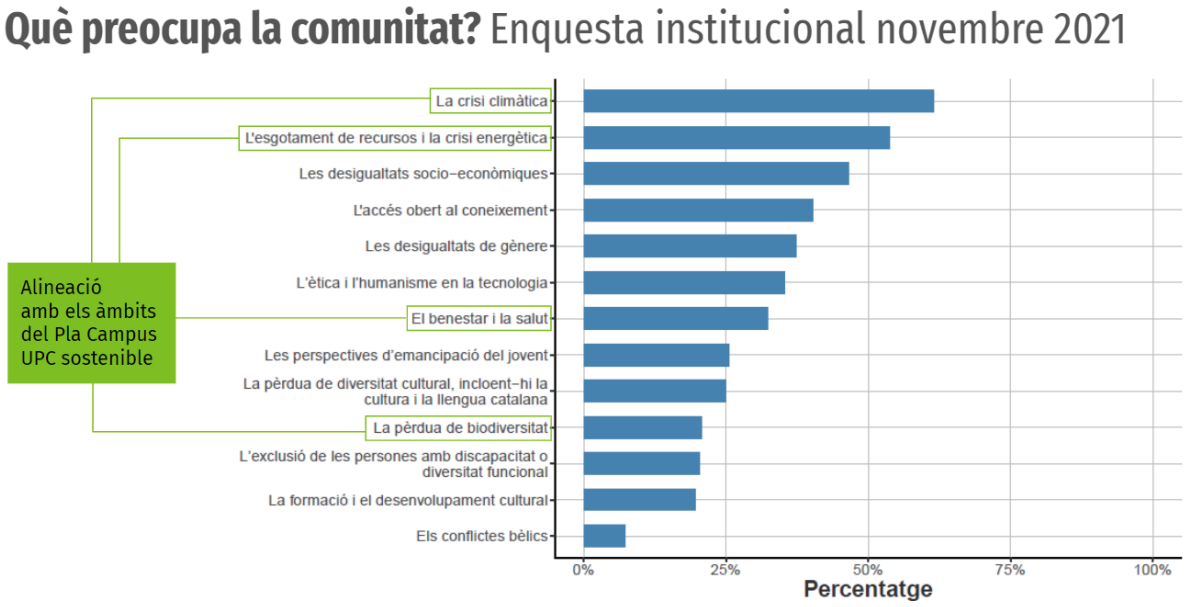
The preparation of the 2030 UPC Sustainable Campus Plan was participatory from the outset. It was organised in three stages: identification and validation of challenges, collection of proposals from the community and consensus with units and services, and approval by the governing bodies. In the first two stages, over a thousand people from the UPC community participated in person or online, contributing ideas and validating proposals.

In the **first stage**, between April and May 2021, the sustainability challenges that the UPC faces were identified, considering both the institution and the evolution and interaction with the surrounding environment. Around forty people from different areas and with different backgrounds participated. They validated the division of the Plan into the four current areas: the energy transition, responsible consumption, healthy campus and climate action. (The area of climate action was not worked on in this stage, because the climate action strategy had been defined six months previously.)

The aim of the **second stage**, between October and December 2021, was to validate the lines of action proposed for each challenge and to collect specific actions for each campus for the period 2022–2023. An online form was created and six events organised to present the challenges and collect actions on the campuses of Vilanova, the South Campus, the EPSEB, the Baix Llobregat Campus, the North Campus and Sant Cugat, and around the Vèrtex building. A total of 550 people took part in the two forms of participation, and 820 contributions were collected. The main lines of action gathered are:

- Introduce self-supplied renewable energy in all buildings and campuses and for air conditioning.
- Greener campuses. Promote biodiversity and healthy green spaces.
- Reduce waste and plastic packaging. Ban single-use plastics.
- Promote recycling. More recycling points and awareness-raising campaigns.
- Build community and raise awareness. Reinforce communication and spaces for participation.

This second stage was complemented by the inclusion of sustainability-related questions in the regular student survey. The survey results corroborated the alignment between the lines of action proposed in the Plan and the identification of the UPC community's main concerns.



In the last stage, the Plan was presented to the Executive Council, the Office of the General Manager, and the network of people responsible for sustainability, which is composed of

schools, the management and support units and services, and units with operational responsibility for finalising the definition of actions and challenges and approving them.

3. Scope of the Plan

One of the elements that generated most discussion during the participation process was the definition of the Plan's scope. As mentioned in the background section, previous plans worked on the four areas of university activity (research and transfer, training, management and governance, and social leadership). In this case, action on the last two areas was prioritised to increase the impact through greater targeting, whilst connections were still sought with the other two areas. Direct action on teaching and research is carried out through their own lines of action, such as the sustainability and social engagement competency and calls for applications for projects on this subject area in the case of research.

Fig. 3.1. Areas of university social responsibility addressed in the Plan

The thematic area of **sustainable campus management** includes actions on infrastructure, services and processes that directly or indirectly have an impact on sustainability. This first area of action has four lines: **climate action, energy transition, responsible consumption and healthy campus.**

The cross-cutting area of **sustainable community** includes social leadership in the environment, a culture of sustainability and CampusLab. The **leadership in the environment** area will work on actions that have a social impact, to influence the attainment of the Sustainable Development Goals. The **culture of sustainability** area brings together actions focused on changing people's habits on and off campus, through the promotion of good practices, the establishment of networks of people in the area of sustainability, and the adoption of regulations in university processes and governance. Finally, the aim of the **CampusLab** is to make the campuses into living laboratories for applied research on sustainability.

The name of the plan, the UPC Sustainable Campus Plan, is linked to this targeting of actions, as it has the word 'campus' at the centre of the strategy. Finally, the duration of the Plan is up to 2030, which coincides with the Sustainable Development Goals and the 2030 Agenda.

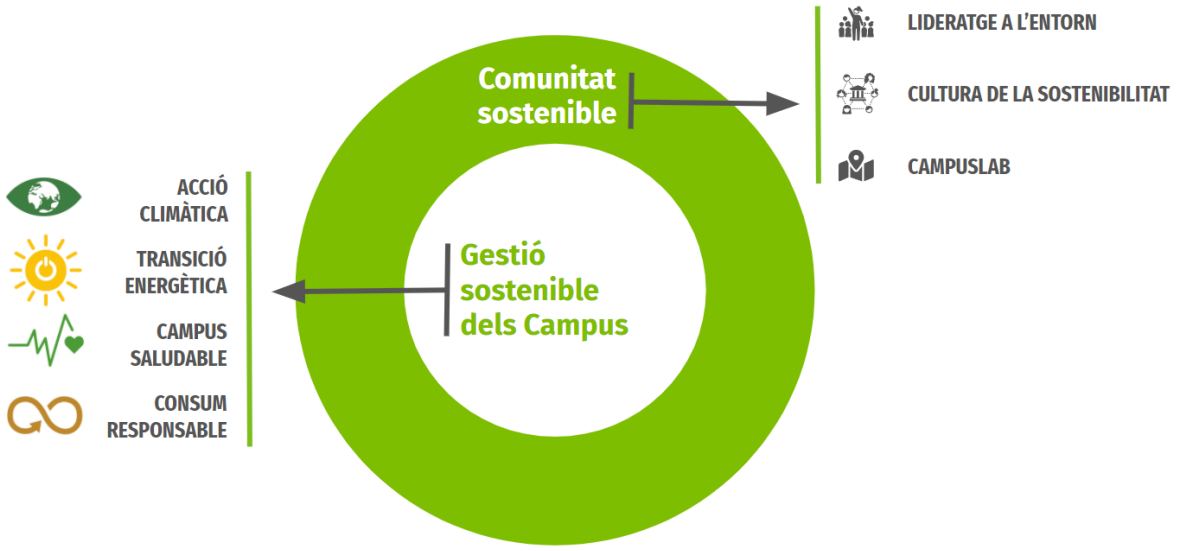


Figure 3.2. Representation of the two main areas of work of the Plan

4. Strategic framework

2030 Agenda

The United Nations' 2030 Agenda was approved in 2015 and summed up in the 17 Sustainable Development Goals (SDGs). It is a crucial reference point for implementation of the University's social engagement. This global development agenda has been defined in Catalonia in the National Plan for the Implementation of the 2030 Agenda in Catalonia (approved on 25 September 2019). This plan contributes explicitly to the achievement of 9 of the 17 SDGs, as shown in Figure 4.1.

To monitor these indicators, the UPC has joined the initiative that the *Times Higher Education* (THE) has published since 2019, the THE Impact Rankings. The aim of the ranking is to measure the impact and contribution of universities to the UN's SDGs.

Institutions that want to participate in the ranking must submit documented information on the activity that they undertake in relation to SDG17 and at least three other SDGs. Beyond this threshold, universities can provide information on as many SDGs as they wish. This gives an overview of their contribution to the achievement of the various goals.

Figure 4.1. The nine SDGs to which the Plan contributes

Administration

The shift to a sustainable society is present at all levels of administration: European, state, autonomous and municipal. The European Green Deal is at the higher level. This is a package of political, legislative and economic measures that drives the shift to a sustainable, carbon-neutral Europe. It has mid-term goals for 2030 and aims for full decarbonisation by 2050. In the transposition of these directives, states—and through them, depending on the power transferred, the autonomous communities—must develop regulations and their own plans to foster this transition. On the university scale, the *Communication on a European strategy for universities*[1] establishes a specific framework of action for the green transition of universities.

Another initiative beyond the Green Deal is the Next Generation Funds, a financial package with a broad scope for economic recovery after COVID-19. Spain coordinates these funds through the Spanish government's Recovery, Transformation and Resilience Plan. These incentives are not free: they must be accompanied by changes in the system. In this case, actions can only be implemented if they meet the 'do no significant harm' (DNSH) principle, in line with all the actions in this plan. The complexity of management and the expected impact of this principle of action is clear from reading the implementation guide.[2]

This initiative of the administration generates opportunities for the UPC, such as the EIT initiatives (mobility, energy) and university partnerships such as the UNITE! project that is gradually forming an international structure of technical universities, under the umbrella of H2020 and the Erasmus Plus programme. If we go down to a lower level, we can find

[1] Communication on a European strategy for universities (COM(2022) 16 final, 18.1.222).

[2] https://www.idae.es/ayudas-y-financiacion/para-la-rehabilitacion-de-edificios/programa-pree-5000-rehabilitacion/guia-para-el-diseno-y-desarrollo-de-actuaciones-acordes-con-el-principio-de-no-causar-un-perjuicio

opportunities that fit perfectly into some actions of the Plan, such as Green Villages[3] or the renewed promotion of living labs as environments for experimentation and learning.

UPC framework

At the UPC level, this plan is consistent with the Statutes,[4] particularly with its Basic Principles in 5.3, which mentions that the University "shall promote sustainable development", and 5.5, which states: "University activity at the Universitat Politècnica de Catalunya shall be based on the principles of freedom, democracy, justice, solidarity, equality of opportunity, sustainability, and respect for ideological diversity. The University shall ensure that these principles are adhered to."

The Plan is also aligned with the UPC's Sustainability Declaration,[5] approved by the University Senate in 2007. This declaration states that "The Universitat Politècnica de Catalunya is committed to training professionals who are aware of the social and environmental responsibility of their activity, and are capable of using the new competencies required to achieve it," and that "The UPC is committed to applying sustainability criteria in its institutional and management activity, undertaking regular monitoring and rendering accounts, to make clear its commitment to consistent, visible action that reinforces and implements a new culture of sustainability."

The Plan is integrated into the University's social engagement policies, and contains the principles and main areas of the Social Engagement Plan. At the same time, it is aligned with and reinforces various objectives of the University's 2022–2025 Strategic Plan:

- To foster student participation in environmental sustainability and social action experiences
- To promote responsible public contracting
- To promote initiatives related to the SDGs and social transformation
- Incorporate sustainability (SDG) as a cross-curricular topic across all UPC areas
- To foster the sustainability of ICT services
- To improve UPC campuses' sustainability parameters

Indirectly, it contributes to many other objectives (student recruitment, quality, research, teaching, etc.).

[3] Cited in the European strategy for universities.

[4] https://www.upc.edu/normatives/ca/documents/altres-acords/estatuts-navegables-text-consolidat/estatuts-2012-versio-navegable

[5] https://www.upc.edu/bupc/hemeroteca/2008/b103/04-12-2007.pdf

5. The 20 commitments for 2030 of the UPC Sustainable Campus Plan

The 20 commitments presented in the 2030 UPC Sustainable Campus Plan are shown in Table 5.1. They are grouped into four thematic areas and three cross-cutting areas. Each area has different challenges for 2030, which are worked on by the entire community in a participative way. There is one mid-term goal (2025) that must allow for follow up. Finally, the table indicates the SDGs that are most directly related to each challenge. In the section Actions in 2022 and 2023, these challenges are translated into specific actions for a two-year period, with allocated results and resources. This part of the document is updated every two years.

AREA	COMMITMENTS FOR 2030		2025 MILESTONE	SDG MILESTONES
CLIMATE ACTION	AC1	In 2030 everyone will be able to check the carbon footprint of their campus, unit and degree.	To publish the carbon footprint of campuses, units and degrees.	13.2
	AC2	In 2030 the UPC will be carbon neutral for its direct emissions.	Institutional adherence to emission compensation initiatives.	13.1
	AC3	In 2030 the UPC will have a plan for adapting to climate change in which the cities in which it is present will participate.	UPC Climate Adaptation Plan	13.2 13.1
ENERGY TRANSITION	TE 1	In 2030 the UPC will have reduced its energy consumption to ensure that it is as self-sufficient as possible in energy terms and to contribute to its economic and environmental sustainability.	Reduce energy consumption through an energy contingency plan.	7.1 7.2
	TE2	In 2030 the UPC will reach 15% self-supply of renewable energy by making the most of the potential of its buildings and campuses.	To have solar photovoltaic production plants to advance towards electricity self-supply on all campuses.	7.2
	TE3	In 2030 the UPC will have planned the energy-efficiency rehabilitation of its buildings.	To have a plan for prioritising actions, economic needs and funding proposal to reach carbon neutrality in 2030.	7.3
	TE4	In 2030 the UPC will have reduced the energy and environmental impact of its data centres and servers.	To have an energy management policy for ICTs.	7.3
RESPONSIBLE CONSUMPTION	CR1	In 2030 all of the UPC's tenders will include responsible public contracting measures covering social, environmental and ethical dimensions.	Drawing up and approval of a guide to socially and environmentally responsible contracting and procurement at the UPC.	12.7
	CR2	In 2030 we will have reduced waste at the UPC by 20% and single-use plastics and disposable products will be a thing of the past.	To reduce waste at the UPC by 10% and eliminate single-use plastics associated with food consumption.	12.3 12.5

	CR3	In 2030 reuse and sharing strategies will have been fully integrated into the model for resource use at the UPC.	Reuse will be the priority for managing computers that have been replaced.	12.5
	CR 4	In 2030 waste destined for controlled waste disposal will tend to zero and the waste hierarchy will be applied in its management.	About 70% of waste at UPC Recircula points will be sorted and collected separately.	11.6 12.5
HEALTHY CAMPUS	CS1	In 2030 all campuses will have effective and visible spaces and support mechanisms for promoting the health and wellbeing of the UPC community.	All campuses have a programme for promoting physical activity and emotional wellbeing and the necessary sports facilities and support services (activity circuits, showers and silent spaces).	3.4
	CS2	In 2030 UPC buildings and facilities will have incorporated environmental quality and health parameters in their management.	The data for the environmental quality parameters will be open and visible to the community.	3.9
	CS3	In 2030 the food sold at licensed caterers, vending machines and events will be healthy for the community and sustainable for the planet.	Menus in licensed restaurants will include vegan, vegetarian and locally sourced food.	12.2 12.8
	CS4	In 2030 most of the UPC community will get to the campuses using active and sustainable mobility means.	Sixty percent* of the community will walk, cycle or take public transport to UPC campuses.	11.2
	CS 5	In 2030 the campuses' green and biodiversity spaces will have been protected and given value and the renaturalised surface area will have been extended.	To have a plan for managing green spaces and biodiversity at the UPC.	11.4 11.7
LEADERSHIP IN THE LOCAL AREA	LE 1	In 2030 the UPC will be recognised for its commitment to sustainability because it has provided solutions and good practices that are open to the community and the local area.	The UPC will offer a programme of sustainability visits that are open to the surrounding environment and involve the campuses.	4.7
SUSTAINABILITY CULTURE	CU1	In 2030 sustainability will be at the core of the UPC and the community will be proud of having contributed to the 2030 Agenda.	In 2025 the UPC community's awareness of the 2030 Agenda and the SDGs will be high or fairly high. This will be verified in the 2024 social engagement survey.	17.17
	CU2	In 2030 sustainability will be present in all UPC areas, decisions and processes. There will be regular spaces for learning about and evaluating the progress that has been made and for reflecting on the emerging challenges together.	To have a table of sustainability indicators in open data format.	17.19
CAMPUSLAB	CL1	In 2030 UPC campuses will have become real laboratories for experimentation that use the knowledge generated in teaching, research and management.	All the schools offer CampusLab experiences to their students.	4.7 17.7

Table 5.1. Areas, commitments for 2030, goals for 2025 and contribution to SDGs

6. Governance

Organisation
The political responsibility for this plan is shared between the vice-rector for Social Responsibility and Equality and the vice-rector for Architecture, Infrastructure and Territorial Outreach.

In terms of coordination, in 2017, a **UPC Sostenible technical team** was formed, with experts from the Innovation and Community Bureau and the Infrastructure Service. With the aim of reinforcing a cross-cutting approach and joint responsibility in the areas of campus management, it is envisaged that this team will be joined on a regular basis by experts from other areas that are central to this plan, such as the Sports Service (for the healthy campus area) and the ICT Area.

To coordinate policies at the level of schools and campuses, the **network of people responsible for sustainability** includes those with sustainability responsibilities in schools' management teams, management and support units, and services. Students will also be incorporated through the Student Council.

In addition, the two-year plan of action identifies the units with operational responsibility in the first two years. These are given in Table 6.1.

Units/teams	Number of actions
Innovation and Community Bureau	36
Infrastructure Service	25
Schools and Management and Support Units	10
UPC Sostenible technical team	5
ICT Area	5
Sports Service	4
Laboratory support network	1
Office of the General Manager	1
Occupational Health and Safety Service	1
Libraries, Publications and Archive Service	1
UPC Arts programme	1
Accounts, Finance and Procurement Area	1
Infrastructure Area	1
Student Council	1
Planning, Assessment and Quality Bureau	3
Communication Service	2

Table 6.1. Units with operational responsibility and corresponding actions

Participation and follow-up

During the implementation of the Plan, it is envisaged that participation activities will be carried out that involve the university community and enable their concerns and proposals to be gathered frequently. At least three annual meetings will be held of the network of people responsible for sustainability in schools and in management and support units.

In addition, a monitoring report will be drawn up at the end of the first programme of actions for 2022–2023, to check the degree of implementation of the scheduled actions, their efficacy, the impact of their results and, particularly, any shortfalls or limitations that are detected by those responsible for their implementation. This intermediate assessment stage must serve to design the new programme of actions to attain the 2025 goals.

Resources

The implementation of the UPC Sustainable Campus Plan requires human and financial resources to undertake the actions that have been included in the budget.

University resources. These will be assigned through the annual budget that is approved by the University. In 2022, there was a budget item of 32,000 euros for the UPC Sustainability Plan, as well as resources for the University Investment Plan (PIU) that will be allocated to energy efficiency measures, renewable energy and water fountains. Given the severe energy crisis and increase in prices, investments in efficiency will be prioritised.

The main actions that require new UPC funds are:

- Implementation of stages 3 and 4 of the Solar Campus (TE 3.1)
- Reinforcement of SIRENA as a tool for monitoring and communicating consumption (TE 1.3)
- Increase in the number of water fountains in buildings (action already approved) and monitoring of water quality (CR 2.1)
- Start of a study to incorporate the health perspective in the management of spaces and establishment of new monitoring parameters and management measures (CS2.2)

External resources. Agreements with external entities will continue to be promoted and the University will continue to participate in external calls for applications at local, national, state or European level, to fund the actions envisaged in the Plan. There will be a focus on Next Generation Funds or others that are aligned with the objectives of the Plan.

Human resources. In terms of human resources, the UPC Sustainable Campus technical team will be strengthened, to be able to coordinate all initiatives, including those with the University's own resources—involving the main services that have operational responsibility—and external opportunities.

THEMATIC AREAS: SUSTAINABLE CAMPUS MANAGEMENT

1. Climate action

The area of climate action is closely linked to the achievement of SDG13. It addresses the mitigation and compensation of emissions, and the calculation of risks and adaptation to the effects of climate change.

AC1. In 2030 the UPC will be carbon neutral for its direct emissions.

In 2019, the UPC declared a state of climate emergency. One year later, it approved its climate action strategy, in which it committed to achieving carbon neutrality by 2030. For this purpose, three steps must be taken: determine the University's emissions, identify various mechanisms that can be used to offset emissions—direct emissions according to the approved document—and make this compensation, which usually involves a financial payment.

The goal for 2025 is to have identified a set of compensation mechanisms—perhaps different for each emission source—and to have prioritised the most suitable.

AC2. In 2030 everyone will be able to check the carbon footprint of their campus, unit and degree.

In 2030, the CO_2 emissions inventory of the UPC will be fully consolidated and include the main sources of direct and indirect emissions. This first step will have been achieved by 2025 for the entire UPC. However, a full breakdown of the inventory is a bigger challenge that will take until 2030. Each unit, service and school could define its own carbon budget based on the emissions that it generates, with proportional distribution of the general emissions.

The goal for 2025 is to publish the CO_2 footprint associated with campuses, units and degrees.

AC3. In 2030 the UPC will have a plan for adapting to climate change in which the cities in which it is present will participate.

At the same time as mitigation actions, it is important to work on the adaptation of organisations and territories to climate change. Two dimensions should be considered: the calculation of risks and actions to minimise them. Many municipalities have joined the Covenant of Mayors for Climate. The UPC must be involved in the academic area (with methodology to assess its own and municipalities' risks) and by offering infrastructure to reduce the impacts of climate change, for example, climate shelters. By 2025, the UPC will have established a road map for collaboration with the municipalities in which it is present. It will have approved its first adaptation plan, which will culminate in 2030 with the implementation of actions that are coordinated with the municipalities.

The 2025 goal is to draw up the UPC climate adaptation plan.

2. Energy transition

The energy transition area is linked to the achievement of SDG7, which sets out the need to ensure access to affordable, safe, sustainable, modern energy for everyone. The focus has been on substantially increasing the percentage of renewable energy and improving energy efficiency.

TE1. In 2030 the UPC will have reduced its energy consumption to ensure that it is as self-sufficient as possible in energy terms and to contribute to its economic and environmental sustainability.

In 2020, the UPC surpassed the objective of the 2020 UPC Energy Plan: to reduce by 20% the energy consumption of the University compared to 2007. This achievement was favoured by the lockdown measures taken in response to COVID-19. In the current time of energy crisis, market instability and constant increases in the price of supplies, it will be necessary to reinforce actions designed to reduce energy consumption and costs by optimising the use and management of buildings, with the involvement of all agents of the university community.

In 2025, the UPC will cut consumption through the Energy Contingency Plan. This plan will be implemented with actions on all campuses and measures of joint responsibility with the community will be established.

TE2. In 2030, the UPC will achieve 15% consumption of self-supplied renewable energy and take the maximum advantage of its buildings and campuses.

During 2022, the University will have installed power of 660 kW, which covers 1% of the total energy demand. To achieve the goal, the sources of energy will need to be diversified, funding will require innovation and shared renewable energy production systems will need to be contracted or participated in.

In 2025, the UPC will have photovoltaic solar production plants for the self-supply of electricity throughout the campus. A regulatory and political context in the environment as well must contribute to meeting this objective, by facilitating mechanisms such as the energy communities and other shared production systems that enable maximum use of roofs.

TE3. In 2030 the UPC will have planned the energy-efficiency rehabilitation of its buildings.

The UPC has a total of 72 buildings, constructed between 1904 and 2016, with a wide range of construction systems and states of conservation. The University's priority in the next few years will be to plan the energy rehabilitation of all buildings. Financial needs will be prioritised with a funding proposal to attain carbon neutrality in 2030.

In 2025, the UPC will have a plan to prioritise actions, financial needs and a funding proposal to attain carbon neutrality by 2030.

TE4. In 2030 the UPC will have reduced the energy and environmental impact of its data centres and servers.

It is calculated that 40% of the UPC's energy consumption is due to data centres and server rooms. In recent years, actions have been undertaken to improve the efficiency and management of these facilities.

In 2025, the UPC will have an energy management policy for ICTs.

3. Responsible consumption

The area of responsible consumption is linked to the achievement of SDG12, responsible production and consumption. Its action is focused on promoting the efficient use of resources throughout their life cycle. The plan sets challenges such as waste prevention, the introduction of alternatives to single-use plastics and the reduction in landfill waste.

CR1. In 2030 all of the UPC's tenders will include responsible public contracting measures covering social, environmental and ethical dimensions.

Gradually in recent years, responsible public procurement criteria have been incorporated into tender processes, to reduce CO_2 emissions, prevent waste and promote the employment rights of those who execute the contracts.

In 2025, the UPC will have drawn up and approved a guide to socially and environmentally responsible contracting and procurement at the UPC. This instrument will facilitate the systematic incorporation of socially responsible public procurement criteria.

CR2. In 2030 we will have reduced waste at the UPC by 20% and single-use plastics and disposable products will be a thing of the past.

In 2019, the Government Agreement to reduce single-use plastics was approved. As part of the UPC Recircula Strategy, actions have been introduced to reduce waste that is not recycled by eliminating general waste bins.

In 2025, UPC waste will have been reduced by 10% (taking 2022 as a baseline) and single-use plastics associated with food consumption will have been eliminated. To reach this goal, the waste that is generated will be assessed, measures to reduce waste will be established and plastic alternatives will be promoted for water consumption and foods, based firstly on reuse and secondly on the use of compostable products. Progress with these goals will also contribute to the objectives of waste reduction at the metropolitan and Catalan scales.

CR3. In 2030 reuse and sharing strategies will have been fully integrated into the model for resource use at the UPC.

Electronic waste is one of the fractions that is increasing at the fastest rate. However, at the UPC there are initiatives such as the UPC Reutilitza programme. Since its launch, this programme has transferred almost 2,300 items of equipment to over 300 non-profit entities. Other initiatives at the campus scale promote the reuse of furniture or the loan of objects for teaching purposes.

In 2025, reuse will be the main way to manage computer equipment that has been replaced. The aim of this goal is to reduce electronic waste at the UPC and lengthen the useful life of replaced equipment through the UPC Reutilitza programme.

CR4. In 2030 waste destined for controlled waste disposal will tend to zero and the waste hierarchy will be applied in its management.

At the UPC, over 100 UPC Recircula Points have been introduced to facilitate the separate collection of waste factions. This action has been complemented by a reduction in the number of general waste bins, to reduce the amount of non-recycled waste.

In 2025, 70% of the waste at UPC Recircula Points will be collected separately. To attain this objective, in 2022 the waste that is generated will be assessed. During the entire period, measures will be reinforced to facilitate separate waste collection in the community, reduce the amount of non-recycled waste and close the material cycle, to move towards a circular economy. In this way, the waste hierarchy will be used in waste management, and the need for final destinations reduced.

4. Healthy campus

The healthy campus is an emerging area at the UPC associated with SDG3, health and wellbeing, and SDG11, sustainable cities and communities. The goal of the healthy campus is to promote the wellbeing and quality of the life of the community on campus and contribute to global health challenges.

CS1. In 2030 all campuses will have effective and visible spaces and support mechanisms for promoting the health and wellbeing of the UPC community.

The COVID-19 pandemic has accelerated the importance of listening and responding to the community's emotional needs. In the 2020–2021 academic year alone, a total of 104 people,

90% of whom were students, received psychological support. In this respect, the promotion of physical activities and health has become one of the areas with the greatest impact.

In 2024, all campuses will have a programme to promote physical activity and emotional wellbeing, spaces for sports and the required support services: activity circuits, showers and silent spaces.

CS2. In 2030 UPC buildings and facilities will have incorporated environmental quality and health parameters in their management.

In the context of the COVID-19 pandemic, a total of 650 sensors have been installed to assess environmental parameters (CO_2 concentration, relative humidity and temperature) in the most densely occupied spaces of the University.

In 2025, data on environmental quality parameters will be available in open access and visible to the community.

CS3. In 2030 the food sold at licensed caterers, vending machines and events will be healthy for the community and sustainable for the planet.

At the UPC, various bars and restaurants are certified as promoters of Mediterranean food (Aemed) to promote healthy menus or they have started to cater to the demand for vegan and vegetarian options. The scope of these initiatives should be expanded, to achieve a food transition that is focused on reducing greenhouse gas emissions, improving the university population's eating habits, and responding to specific food needs.

In 2025, a menu with vegan, vegetarian and local foods will be offered at licensed restaurants and bars.

CS4. In 2030 most of the UPC community will get to the campuses using active and sustainable mobility means.

In 2015, the UPC sustainable mobility policy was approved. In this time, several actions have been undertaken at the local scale, such as the introduction of a safe parking system for bicycles on some campuses. However, there have been no actions with a global impact on all the community.

In 2025, 60% of the community will travel on foot, by bicycle or on public transport to access the UPC campus. The starting point of this objective will be a mobility survey of the entire community in 2022. Depending on the data that are gathered, the objective may be raised, if necessary. Some of the planned actions are focused on promoting spaces with less traffic on the campuses and in their surrounding areas.

CS5. In 2030 the campuses' green and biodiversity spaces will have been protected and given value and the renaturalised surface area will have been extended.

The UPC has nine regional campuses, all of which are situated within the urban fabric of municipalities, except the Baix Llobregat Campus whose activity is carried out in a natural environment with a high ecological and landscape value.

In 2025, a green areas and biodiversity management plan will be available for the UPC, to facilitate access to green areas and renaturalised environments.

CROSS-CUTTING AREAS: SUSTAINABLE COMMUNITY

It is communities—not objects or technologies—that should be made sustainable. Technologies may be the means to achieve this, but they are not an end in themselves. A sustainable community learns continuously to be sustainable. It is recognised for its values and the quality of its relationships: it thinks in the long term, prioritises social justice in its surrounding environment, considers future generations, does not waste resources and cares for life in all its forms. This must be a central objective of the UPC university community for 2030.

1. Leadership in the environment

The UPC has a unique role as a technical public university in Catalonia and a singular structure in the region. To assume its social responsibility, it must be a leader in sustainability in its context. It must collaborate and be involved with the actors in its surrounding environment.

LE1. In 2030 the UPC will be recognised for its commitment to sustainability because it has provided solutions and good practices that are open to the community and the local area.

The UPC takes part in interuniversity networks in its surrounding environment and internationally, including the sustainability working group of the Catalan Association of Public Universities (ACUP), the group of socially responsible procurement between administrations and entities, and the UNITE! university network. It also disseminates the actions that it carries out.

In 2025, the UPC will offer a programme of sustainability visits that are open to the surrounding environment and involve the campuses. This action will include the organisation, reinforcement and raised awareness of the sustainability activities that are currently undertaken on campus, such as the installation of solar panels, biodiversity routes and other activities of a demonstrative nature.

2. Culture of sustainability

Culture embodies the values of each period. In the face of humanity's sustainability challenges, educational institutions have to make the 2030 Agenda their own and be leaders in SDG4.

CU1. In 2030, sustainability will be at the core of the UPC and the community will be proud of having contributed to the 2030 Agenda.

The results of the social engagement survey administered to the community in 2021 show that almost two-thirds know little or very little about the 2030 Agenda or SDGs. New methods should be sought to convey the values of sustainability and connect them with everyday practice and

the community's activity. Areas should be fostered that make these values dynamic in a cross-cutting way. Currently, sustainability is being introduced in the academic activity of teaching and research staff through DRAC. It is envisaged that in the 2022–2023 academic year, students will have to index the SDGs to which their final theses contribute. In addition, there is fresh impetus to incorporate the sustainability and social engagement competency, updated in reference to the SDGs. Apart from these more academic strategies, it will be necessary to introduce complementary, more playful, community-based mechanisms such as the UPCArts programme.

In 2025 the UPC community's awareness of the 2030 Agenda and the SDGs will be high or fairly high. This will be verified in the 2024 social engagement survey.

CU2. In 2030 sustainability will be present in all UPC areas, decisions and processes. There will be regular spaces for learning about and evaluating the progress that has been made and for reflecting on the emerging challenges together.

Sustainability programmes and strategies have existed for years. However, in the past, sustainability was added on the side or as a requirement at the end. In the global context of the current systemic crisis, integrating sustainability in all decisions is an unavoidable challenge. Instruments should be introduced to make this possible, to facilitate integration of sustainability at all levels of decision making. Instruments, training, information and monitoring spaces should be introduced to bring us closer to the objective and facilitate the translation of the Plan's objectives at different scales.

In 2025, a table of sustainability indicators will be available in open data format.

3. Campus Lab, campuses that educate

Campuses have always been seen as key spaces in all the environmental and sustainability policies of the UPC. Since the first strategies, it has been observed that there is a need for coherence between campus management and academic activities. Consequently, campus spaces are required that facilitate learning about sustainability through experimentation.

CL1. In 2030 UPC campuses will have become real laboratories for experimentation that use the knowledge generated in teaching, research and management.

In the years 2005–2010, a pioneering project called the Laboratori REAL promoted the pilot projects of UPC researchers to impact our campuses. In this spirit, in recent years work has

begun to convert sustainable management challenges associated with many SDGs into academic and innovation challenges with students, teachers and administrative and service staff, to address them together. This trend emerged at most universities that are pioneers in sustainability. Opportunities have been identified in final theses and group activities in subjects that have a strong fieldwork component.

In 2025, all schools will offer CampusLab experiences to their students.

ACTIONS IN 2022 AND 2023

The tables that are presented below describe the sixty-six actions envisaged for the years 2022 and 2023 on UPC campuses, in thematic and cross-cutting areas. Each action has a code that relates it to a challenge, a description of the specific action, the source of the resources, the operational responsibility for each action and an indicator of achievement of the action.

1. Climate action

	PRIORITY ACTIONS IN 2022–2023	RESOURCES (for the 2 years)	OPERATIONAL RESPONSIBILITY	ACTION ACHIEVEMENT INDICATORS
AC1.1	Preparation and annual publication of the UPC inventory with direct emissions for each campus and significant indirect emissions aggregated.	Internal	Innovation and Community Bureau	Annual inventory report
AC1.2	Administration of a mobility survey on all campuses in the first semester of 2022 (and subsequently every three years).	Internal	Planning, Assessment and Quality Bureau Innovation and Community Bureau	Survey undertaken
AC2.1	Preparation and approval of an emissions reduction plan to attain carbon neutrality in 2030.	Internal	Innovation and Community Bureau	Reduction plan published
AC2.2	Collaboration with Catalan universities to promote the adoption of shared metrics for the CO_2 footprint and CO_2 compensation.	Internal	Innovation and Community Bureau	Document of shared metrics
AC 3.1	Study of the adaptation plans of municipalities in which UPC campuses are located, to promote potential collaborations.	CampusLab	Innovation and Community Bureau	Study document
AC 3.2	Preparation of a study of climate risks of the UPC, with community participation.	CampusLab	Innovation and Community Bureau	Study document

2. Energy transition

	PRIORITY ACTIONS IN 2022–2023	RESOURCES (for the 2 years)	OPERATIONAL RESPONSIBILITY	ACTION ACHIEVEMENT INDICATORS
TE 1.1	Reactivation of energy saving actions that involve the university community, such as the announcement of an energy saving marathon.	Internal	Schools and Management and Support Units	Evolution of energy consumption by campus
TE 1.2	Preparation of a guide with building management instructions and energy saving tips.	Internal	Infrastructure Service	Preparation of the document
TE 1.3	Reinforcement of SIRENA as a tool for monitoring and communicating energy and water consumption.	€30,000 annually	Infrastructure Service	Annual users of SIRENA
TE 1.4	Implementation and integration of a building management system (BMS) in all University buildings and campuses.	Pending	Infrastructure Service	Number of campuses integrated in the BMS
TE 1.5	Replacement of obsolete heating and air conditioning (decarbonisation of demand) and lighting systems with high-efficiency systems.	Pending	Infrastructure Service	Projects started
TE 1.6	Preparation of an audit on the use of university spaces and definition of management instructions.	Internal	Infrastructure Service, schools, and management and support unit	Study document
TE 2.1	Study of the investment priorities in university buildings and establishment of the investment mechanism.	Internal	Infrastructure Service ICT Area	Study document
TE 2.2	Identification of a building for which nZEB certification is sought and initiation of study work on the design.	Internal	Infrastructure Service	Study document

TE 3.1	Implementation of stages 3 and 4 of the Solar Campus.	Pending	Infrastructure Service	Installed power (kW) and annual production (kWh)
TE 3.2	Start of innovative experiences for contracting and funding (operating lease, public-private partnerships or collective funding) of renewable energy projects.	Internal	Infrastructure Service	Experiences initiated
TE 3.3	Implementation of a pilot test on biomass for heating.	Pending	Infrastructure Service	Test undertaken
TE 3.4	Participation in the creation of an energy community with entities in the surrounding environment, to share surplus renewable energy production.	Internal	Schools and Management and Support Units Infrastructure Service	Projects started
TE 4.1	Improvement in the energy and environmental efficiency of data centres and servers at the UPC.	Internal	ICT Area	Report on energy efficiency actions
TE 4.2	Calculation of energy consumption and emissions of the main systems and applications on the cloud, information for users on their energy impact, and creation of a guide of actions to take to reduce consumption and emissions.	Internal	ICT Area	Study document

3. Responsible consumption

PRIORITY ACTIONS IN 2022–2023		RESOURCES (for the 2 years)	OPERATIONAL RESPONSIBILITY	ACTION ACHIEVEMENT INDICATORS
CR 1.1	Drawing up and approval of a guide to socially and environmentally responsible contracting and procurement at the UPC.	Internal	Accounts, Finance and Procurement Area Infrastructure Service Innovation and Community Bureau	Publication of the UPC guide of social and environmental clauses: 100% of tenders have social, environmental

				and ethical clauses.
CR 1.2	Promote public procurement of ICT equipment according to environmental and social justice criteria.	Pending	ICT Area Innovation and Community Bureau	Tenders with social criteria
CR 2.1	Increase in the number of water fountains in buildings and monitoring of water quality.	€260,000 (awarded) + €3000 (other analytical tests)	Infrastructure Service Innovation and Community Bureau	Number of fountains Analytical tests of fountains
CR 2.2	Limitations in the purchase of single-use plastic containers in licensed restaurants and bars.	Internal	Infrastructure Service Innovation and Community Bureau	Achievement of the action
CR 2.3	Implementation of the “Drink without plastics” campaign.	€6,200	Infrastructure Service Innovation and Community Bureau Communication Service	Communication impact of the campaign
CR 2.4	Preparation of a protocol for the organisation of more sustainable meetings, events and festivals.	€500	Innovation and Community Bureau	Degree of application of the protocol in the 2022–2023 academic year
CR 2.5	Quantification and publication of waste generation and food waste data (baseline year 2022).	€1,200	Innovation and Community Bureau	Quantity of waste generated per fraction (kg)
CR 2.6	Quantification of the consumption of chemical products in laboratories and definition of measure to reduce the quantity and toxicity.	CampusLab	Network of support for laboratories	Study document
CR 3.1	Establishment in all schools of a protocol to prepare for reuse any obsolete computer equipment that still has a useful life through the UPC Reutilitza programme.	Pending	ICT Area	Number of computers managed by the UPC Reutilitza programme

CR 3.2	Creation of a Library of Things service to promote the loan of objects associated with teaching activity and the University's educational project.	UPC resources	Libraries, Publications and Archive Service	Introduction of the Library of Things service into libraries
CR 3.3	Implementation of criteria for cutting down on printing and the use of paper.	Internal	Infrastructure Service Innovation and Community Bureau	Number of copies made in the multifunction service
CR 3.4	Initial development of an information system for flows of material resources (SIRENA for material flows).	CampusLab	Innovation and Community Bureau	Initial study undertaken
CR 4.1	Quantification and analysis of the quality of separation of waste by fractions and preparation of a map of waste management paths for the UPC.	€1,500	Innovation and Community Bureau	Quantity of waste gathered by fraction (kg)
CR 4.2	Complete the elimination of individual bins for non-recycled waste in working spaces and the removal of COVID-19 elements (bins and paper dispensers).	Internal	Schools and Management and Support Units Innovation and Community Bureau	Number of bins removed
CR 4.3	Consolidation of protocols for waste separation, particularly for hazardous waste.	Internal	Innovation and Community Bureau Infrastructure Service	Introduction of protocols
CR 4.4	Launch of awareness-raising campaigns for responsible consumption and recycling. For example, the mobile phone collection campaign.	€300	Innovation and Community Bureau	Impacts of the campaign
CR 4.5	Introduction of a composting system on two campuses.	Pending	Schools and Management and Support Units Innovation and Community Bureau	Projects started

4. Healthy campuses

	PRIORITY ACTIONS IN 2022–2023	RESOURCES (for the 2 years)	OPERATIONAL RESPONSIBILITY	ACTION ACHIEVEMENT INDICATORS
CS 1.1	Incorporation of emotional wellbeing activities into the programme of health promotion activities.	Internal with external funding	Sports Service Innovation and Community Bureau	Initial programme with monitoring indicators
CS 1.2	Identification of needs for physical activity spaces and associated services on campuses and the availability of at least one multi-purpose sports space or a signposted circuit for physical activity on some of the campuses that do not have sports facilities.	Pending	Sports Service Infrastructure Service	Action undertaken on at least one campus
CS 1.3	Preparation of an assessment of the community's emotional health and design of a model of monitoring for decision making.	Internal	Innovation and Community Bureau Sports Service Occupational Health and Safety Service	Assessment undertaken
CS2. 1	Dissemination of monitoring of environmental quality parameters to the community in highly visible places, such as at the entrance to buildings.	Pending	Infrastructure Service Innovation and Community Bureau	Publication of parameters in open format
CS2. 2	Start of a study to incorporate the health perspective in the management of spaces and establishment of new monitoring parameters and management measures.	€6,000	Infrastructure Service Innovation and Community Bureau	Study undertaken

CS 3.1	Incorporation of criteria for sustainable and healthy food in the licensed restaurants and bars, in accordance with the recommendations of the CIC and US.cat.	UPC resources	Innovation and Community Bureau Infrastructure Service	Incorporation into the Guide to socially and environmentally responsible contracting
CS 3.2	Campaign to promote local, low CO_2 emission consumption and introduction into at least one licensed bar or restaurant.	€1,000	Innovation and Community Bureau Sports Service	Introduction in one licensed bar or restaurant
CS 3.3	Incorporation of fair trade products in licensed restaurants and bars.	Internal	Infrastructure Service Innovation and Community Bureau	Licensed bar with fair trade coffee
CS 4.1	Preparation of an investment plan for safe parking for bicycles and other personal mobility vehicles.	Internal with external funding	Infrastructure Service	Document approved
CS 4.2	Promotion of a joint action in the framework of the Interuniversity Council of Catalonia (CIC) to obtain discounts for the mobility of students on public transport.	Internal	Innovation and Community Bureau	Action achieved
CS 4.3	Preparation of a document with criteria for the introduction and management of infrastructure for charging of electric vehicles.	Internal with external funding	Infrastructure Service	Document approved
CS 4.4	Promotion of actions to pedestrianise campuses and their surrounding environment.	Internal	UPC Sustainable technical team	Report and actions undertaken
CS 4.5	Definition of a management model to integrate mobility into decision making.	Internal	Office of the General Manager	Organisational proposal made
CS 5.1	Incorporation of green elements of campuses into the inventory of spaces.	Internal	Infrastructure Service	Data integrated into the inventory
CS 5.2	Study of a façade and/or green roof design.	CampusLab	Infrastructure Service	Project designed
CS 5.3	Involvement of the community in knowledge about, care for and enjoyment of biodiversity on the campuses.	Pending	Innovation and Community Bureau	Number of schools involved

CS 5.4	Support for pilot vegetable garden initiatives on two campuses.	Pending	Schools and Management and Support Units Innovation and Community Bureau	Projects started

5. Cross-cutting areas

PRIORITY ACTIONS IN 2022–2023		RESOURCES (for the 2 years)	OPERATIONAL RESPONSIBILITY	ACTION ACHIEVEMENT INDICATORS
LE 1.1	Participation in interuniversity networks, in the surrounding environment and internationally, such as the sustainability working group of the Catalan Association of Public Universities (ACUP), the group of socially responsible procurement between administrations and entities, and the UNITE! university network.	Internal	Innovation and Community Bureau	Number of networks that the UPC participates in
LE 1.2	External dissemination of the action undertaken by the UPC and participation in international ranking systems.	Internal	Communication Service Planning, Assessment and Quality Bureau Innovation and Community Bureau	Number of impacts related to the Plan
LE 1.3	Creation of sustainable campus routes and spaces for the exchange of transforming experiences.	Pending	Schools and Management and Support Units Innovation and Community Bureau	Number of campus routes
CU 1.1	Reinforcement of the impact of UPC Sostenible communication in schools, taking advantage of UPC Arts activities.	Internal	UPCArts Schools and Management and Support Units	Number of sustainability actions of UPCArts
CU 1.2	Involvement of teaching and research staff who are sustainability experts to reinforce and communicate sustainable management actions.	Internal	Schools and Management and Support Units	Number of teaching and research staff involved

CU 1.3	Recovery of university life and associations linked to sustainability to promote actions in coordination with the students.	Internal	Student Council Innovation and Community Bureau	Number of actions
CU 1.4	Organisation of an annual meeting of the UPC Sostenible community.	Internal	UPC Sostenible technical team	Action undertaken
CU 2.1	Programming of awareness-raising, participation and training activities in relation to sustainability.	Pending	UPC Sostenible technical team	Number of actions
CU 2.2	Creation of an annual sustainability plan, with open access to the main indicators and parameters of sustainability.	Internal	Planning, Assessment and Quality Bureau UPC Sostenible technical team	Report published
CU 2.3	Invigoration of spaces for coordinating and monitoring the Plan with the schools, management and support units, and services.	Internal	UPC Sostenible technical team	Number of meetings held
CL 1.1	Creation of a CampusLab office to support students, teaching and research staff and administrative and service staff for internal sustainability challenges in connection with the systems of offering academic projects in schools.	Internal with external funding	Innovation and Community Bureau	CampusLab website
CL 1.2	Promotion of 50 CampusLab projects in different areas of the UPC Sustainability Plan, to ensure a connection between campus challenges, academic projects and implementation of the proposed solutions.	Internal	Schools and Management and Support Units Innovation and Community Bureau	Number of projects

ANNEX 1. PARTICIPATION PROCESS

Participants in stage 1

Anna Gras. Director of the EEABB
Jordi Arimany. Head of the Sports Service
Montse Bosch. Department of Architectural Technology
Muriel Botey. Assistant director of Quality and Social Responsibility at the EEBE
Joan Carles Burón. Director of the Infrastructure Area
Pau Calleja. Infrastructure Service
Enric Carrera. Director of INTEXTER
Albert Cuchí. Director of the ETSAV
Cristina Dantart. ICT Area
Juan de Dios Roman. Head of North Campus Maintenance
Jordi Escolà. Head of the Procurement Service
Ana Fàbregas. Sports Service
Gemma Fargas. Vice-rector for Social Responsibility and Equality
Didac Ferrer. Head of the Innovation and Community Bureau
Leyre Ferrer. ETSEIB and work group of sustainability specialists at management and support units
Marta Gangolells. Department of Project and Construction Engineering
Valentí Guasch. Director of the Research Area
Arantza Igartua. Occupational Health and Safety Service
Álvaro Luna. Department of Electrical Engineering
Anna Martí. ETSAV and work group of sustainability specialists at management and support units
Emiliana Marques. Centre for Development Cooperation
Montse Mestres. EPSEVG and work group of sustainability specialists at management and support units
David Pino. Department of Physics
Fermín Sánchez. UPC Reutilitza programme
Jordi Segalàs. Director of the UPC Sustainability Institute
Montse Vilalta. Innovation and Community Bureau / Inclusion Office
Roberto Villafáfila. Department of Electrical Engineering

Members of the technical team
Innovation and Community Bureau: Mireia de Mingo and Pere Losantos
Infrastructure Service: Josep Manel Sabaté
With the support of grantholding students: Aina Cifre, Arnau Sedeño and Laura Solé

Please note: The posts refer to those that were current during the first stage of the participation process.