

1222 • 2022
800
ANNI



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Sustainability Report

2019-2020

Executive summary



The University of Padua

Founded in 1222, the University of Padua is among the oldest and most prestigious universities in Europe. As a multidisciplinary institution, the University meets higher educational needs for the Italian Northeast, a territory with over 7 million residents and more than 650,000 businesses. Leaders in terms of its quality of teaching, research, and student services the University makes freedom of thought, study, and research the basis of its motto: “Universa Universis Patavina Libertas.”

A community of almost

70,000

in a city of 212,395 residents

58,720

under-graduate
students*

1,869

post-graduate
students*

1,312

doctoral
students*

2,379

technical and
administrative
staff**

2,268

professors and
researchers**

*data refers to the 2018-2019 academic year

**data refers to the 2019 calendar year

The organization

Organizational areas

Central administration offices

32

Departments

40

8

Schools

28

Interdepartmental research centres

1

Experimental farm

3

Multifunctional hubs

1

School of higher studies

Service centres

Sustainable UniPadova

The University has created the Sustainable UniPadova project as a catalyst for environmental sustainability.

The project coordinates and gives visibility to all actions related to sustainability that involve the university community, including students, staff, and governing bodies. The Sustainable UniPadova project supports the launching of new proposals dedicated to developing and implementing best practices by disseminating initiatives within the university community and beyond.

The Public engagement Office of the Marketing and Communication Area acts as the organizational structure for the Sustainable UniPadova project.



The University's
international
sustainability
rankings



World ranking

101-200

Italian ranking

4-5



World ranking

319

Italian ranking

16

Economic value

The University of Padua generates a significant impact for its stakeholders as well as on local, national, and international economic systems by redistributing its resources and wealth both directly and indirectly.

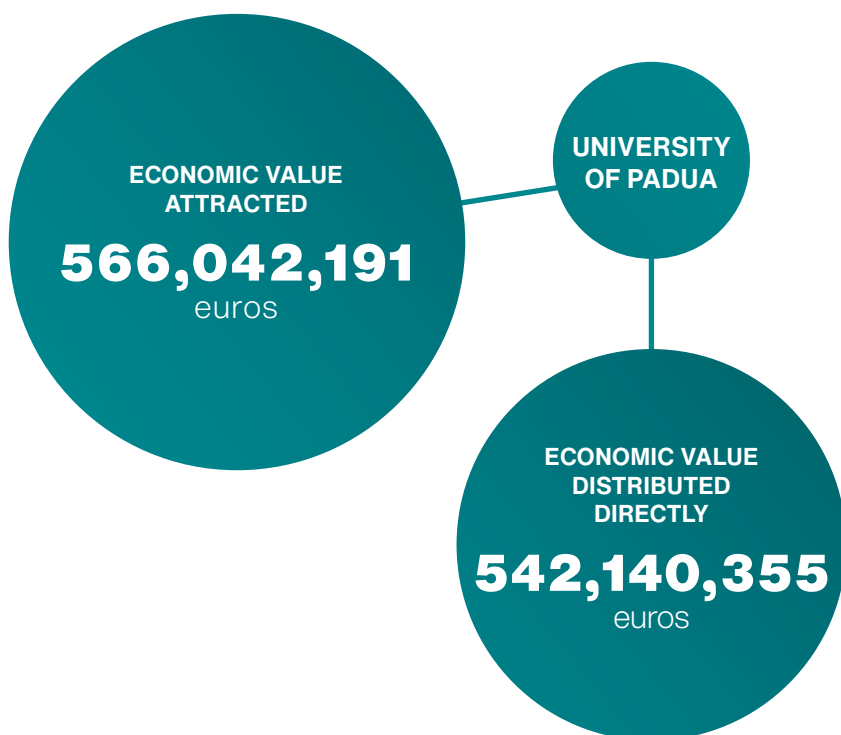
The economic value attracted in 2019 decreased by 4.5 million euros. However, compared to classifications from the 2019 budget, this does not include assistance activities coming from the National Health Service.

By including this income, the data for 2018 and 2019 are therefore comparable, with the total operating income amount of approximately 590 million euros, an increase of 18,051,136 euros compared to the previous year.

Proportion of
spending on local
suppliers

42%
from Veneto
Region

25%
from Padua



Resources

Protocol of Understanding for Green Public Procurement (GPP)

On April 17, 2019, a Protocol of Understanding was signed to create an institutional collaboration between the Veneto Region, the University of Padua, Cà Foscari University of Venice, the University of Verona, IUAV University of Venice, Unioncamere del Veneto, and ARPAV on sustainable consumption and production.

E-Procurement

In 2020, the University activated the UBUY platform that replaces previous telematic systems. The new UBUY platform aims at making purchase requests through the creation of a digital file.

Refurbished Computers

In 2020, the University activated an agreement to facilitate the acquisition of refurbished laptops for students and staff. The agreement aims at supporting teaching and smart working activities with sustainable products and materials.

22

tonnes
of paper
saved
annually

4.64

tonne decrease
of CO₂
emissions
released
annually

PLASTIC-FREE PROJECT

approximately 50 filtered water dispensers installed in UniPD offices

18,000 stainless steel (type SAE 304) water bottles distributed to students

plastics used for dispensing hot and cold drinks, such as bottles, cups, and stirrers replaced with environmentally friendly goods

eliminating **350,000 bottles and 1.5M cups and stirrers**

-400,000 kg CO₂ yearly

WASTE

81.5% of waste produced in 2019 sent for reuse, recycling, incineration, or compost

1 **protocol of understanding:** in 2019 a protocol of understanding was signed by the University, the Municipality of Padua, and the Hera Group aimed at planning and implementing actions that improve the impact of waste management for the city and, in particular, for the University community

500 **waste disposal units** dedicated to collecting COVID-19 emergency PPE (personal protective equipment)

178 **tonnes of chemical and medical waste** (88 tons of chemical and 90 tons of medical waste) of which 71.3% was sent for waste recovery

25.5 **tons of WEEE** (waste of electrical and electronic equipment) of which 87.7% was sent to waste management centres
+8 tonnes compared to 2018

Environment and energy

In 2019, the University recorded a **1.9%** reduction in overall energy consumption compared to 2018 thanks to the addition of energy efficient electrical thermal plants.

Carbon Footprint

In 2019, the University of Padua committed itself to developing an inventory of greenhouse gases (GHG) to monitor and report its Carbon Footprint.

The University recorded a 51% reduction in energy consumption emissions and an 18% reduction in overall emissions.

Greenhouse gas inventory was certified according to ISO 14064-1:2018 standards.

New Humanistic Centre

- reconstruction of an area covering almost 23,000 square meters at a total cost of approximately 40 million euros
- first gas-free building of the University of Padua offering a reduction in CO₂ emissions of 42,400 kg per year (-44%)

University Campus of Social and Economic Science

- City centred renovation of former military barrack (*Caserma Piave*), an area covering over 51,000 square meters
- 5000/5500 people are estimated to use the renovated campus area daily
- All construction costs to be recovered by the projected cash flow of leases collected over the next thirty years

Green heritage

Online mapping of arboreal and herbaceous plants of the University *Aree UNIPD Arboreo Erbaceo 18*

1,136 kgCO₂ eq

University greenhouse gas emissions per student in 2019

-251 kgCO₂ eq

compared to 2018

Each University student consumes 1.07 barrels of oil equivalent (BOE)

Building development projects

191M€

between 2020-2022

Greenhouse gas emissions by activity

ACTIVITY	2018	2019	NOTED CHANGE BY PERCENT
	GHG Emissions [tonCO ₂ eq]	GHG Emissions [tonCO ₂ eq]	(%)
Students commute	39,521	39,554	0%
University energy consumption	33,873	16,684	-51%
Staff commute	9,702	10,092	+4%
Staff travel	1,142	2,824	+147%
International travel of students	1,733	1,065	-39%
Waste disposal	324	373	+15%
Fugitive refrigerated gas emissions	337	327	-3%
TOTAL	86,632	70,919	-18%



Mobility and transport

The propensity to use sustainable modes of transportation, such as walking, taking a bicycle, or using public transport, to reach the University was reported by 87% of the student body and 53% of personnel.

Due to the COVID-19 emergency, the processing of the 2020 data regarding 2 regarding work and teaching activities is still ongoing.

Investments

The University has allocated 300,000 euros per year to improve sustainability and mobility for personnel.

These funds are part of a supplementary welfare agreement, which provides a 50% reimbursement for the cost of public transport passes for local, regional and interregional commuters.

SUSTAINABLE MOBILITY INTERVENTIONS

1

new parking Hub located at the
“*Fiore di Bottà*” building

1

Rector’s car replaced
with a hybrid vehicle

20

bicycles purchased
for central administration use

Bike sharing

Free timestamp and promotional bike sharing service.

Night Bus

Serviced by *Busitalia Veneto*, Night Bus offers public transport in the evening within the city as well as surrounding urban areas. Funded by the University and Municipality of Padua, the project was selected among the best zero-emission mobility practices identified by *Legambiente Veneto* as it represents an example of the integration of services between students and citizens aimed at reducing CO₂.

Wellbeing

The **Wellbeing network** involves all bodies, activities, institutional structures dealing with discrimination, gender equality, equal opportunities, inclusion, health, and well-being.

The function of the network is to protect and guarantee advice in a safe environment while offering initiatives and activities aimed at promoting healthy and well-oriented lifestyles.

Wellbeing promoting actions

1,832

People involved in the 2019 wellbeing projects (1,369 in 2018)

+7%

Flexible contracts (part-time or remote working)

from 398 to 419 in 2019

1,785

authorised requests of home working for 2020, given the COVID-19 emergency

+6%

Budget increase dedicated to wellness and sport activities compared to 2018. Increasing contributions from both the CUS (University Sports Centre) and ARCS (Cultural and Sport Recreational Association)

700,000

euros dedicated to a new policy covering health care supplements for personnel



Inclusion

Based on the involvement of all members of the university community, the project Inclusive University of Padua aims to create a widespread and inclusive network.

This project also includes **investing in training**. University staff can participate at special discounts to various courses, such as an Inter-University Master's Program in Social Innovation and Inclusion and the General Course in Human Rights and Inclusion, which saw the participation of 69 University personnel over four editions.

The **Inclusive Education Project** began in 2019 as part of the University's initiatives to build a welcoming educational environment free from discrimination and attentive to diversity. The University has adopted specific measures to meet the needs of students with disabilities to ensure access to online teaching and other services, including those carried out during the COVID-19 emergency.

The **Psychiatric Inclusion and Disabilities Project** was launched in 2019 to create guidelines in support of inclusive actions by investigating issues and examining the problems experienced by individuals and their circumstances.

The University of Padua has promoted the establishment of a **Working Group for "Inclusion and Social Justice" within the Italian University Network for Sustainable Development (RUS)**. With 43 universities currently participating in the Working Group, the aim is to strengthen the role of universities in the construction of inclusiveness, sustainability, fairness, and gender equality that focuses on social justice and in the fight against inequality.



952

students with disabilities and learning difficulties enrolled in the 2019-2020 academic year compared to 775 in 2017-2018

423

personalized admission test requests (320 tests in 2018)

Equal opportunities

Published in 2020, the second edition of the **University of Padua's Gender Report** covers an in-depth analysis of the entire university community. The Report offers an opportunity to monitor and verify measures aimed at promoting gender equality and the changes established over the last three years since the first 2017 edition.

31	public events in 2019-2020 related to equal opportunity and non-discrimination issues such as Gender Equality, Words and Actions for Gender Equality, Universal Equality Talks, and the March 8th " <i>diffuso</i> " Event
2	editions of the training course " <i>Generi e linguaggi</i> " (Gender and Language) for institutional and administrative use of gender neutral language
203	female students, in collaboration with IBM, are involved in the "NERD" Project which aims at sharing their passion for STEM disciplines (Science, Technology, Engineering, and Mathematics) with female high school students by encouraging them to undertake university courses in these areas
2	new Career Alias profiles requests, which guarantee gender transitioning students the right to live in a positive study environment based on fairness and mutual respect under the eyes of Italian Law 164/1982. Since 2013, the University has activated 9 Career Alias profiles
P.A.P.	Positive Action Plan of the C.U.G. (Guarantee Committee) approved by the Board of Directors in June of 2019

52.47%

of the University community are women

36.6%

of University educators are women

Gender Equality Plan:

- Recruitment for female students to enroll in STEM based courses
- Actions for work-life balance and support for young researchers
- Progressive actions for researchers and educators in their academic careers
- Monitoring activities for equality in culture and science

Centre for Gender, Knowledge and Culture

The "**Elena Cornaro**" **Centre for Gender, Knowledge and Culture** confirms itself as place of exchange for those who work in gender studies at the University. The Centre is a place of research, planning, and innovation that promotes education and training activities on gender and acts as a bridge between the University and civil society

Education

ONLINE TEACHING DURING THE COVID-19 EMERGENCY

On March 9, 2020 courses for the second semester were activated for online teaching with a total of 2,786 courses, 53,500 participants, and 2,289 meetings with 114,237 views

TEACHING SUSTAINABILITY

44% of University courses are related to at least 1 of the 17 Sustainable Development Goals (SDGs) set by the United Nations in 2015

RIGHT TO STUDY

7,000 scholarships provided in the 2019-2020 academic year for a total of 21.3M euros

38,942 students benefited from partial or total exemptions from tuition and university student expenditures

STUDY SUPPORT

6,400 students participated in study groups organized by University tutoring services

921 students involved in the student retention "Drop-out Project"

1,121 students involved in supporting foreign students to acclimate themselves in Padua under the "Buddy Project"

389 students involved in the Operation Awakening Project aimed at supporting those who resume a course of study after a period of interruption

INDIVIDUAL STUDY SPACE

3,583 study spaces made available at various locations including *Arcella*, *Centro Universitario Padovano*, and *San Gaetano*, in agreement with the Municipality of Padua as well as two additional study rooms at CUS and ESU

6 "Quiet Rooms" dedicated to students with specific needs, the rooms can be used for individual study or with a tutor

EDUCATION BEYOND THE UNIVERSITY

57 correctional facility detainees enrolled in the University prison program, as well as 2 women from the Giudecca prison in Venice

2 courses held by University of Padua professors in Cameroon as part of the Engineering for Africa Project

Networking

The University adheres to and participates in numerous associations including consortium foundations, and national ‘cluster’ alliances, each involved in promoting sustainable development initiatives.

The Network of Universities for Sustainable Development

In July 2015, the Universities for Sustainable Development (RUS *Rete delle Universitaira per lo Sviluppo Sostenibile*) was promoted by the Conference of Rectors of Italian Universities (CRUI) to coordinate Italian universities in sharing best practices and experiences on sustainability.

The University, along with 60 other universities, has agreed to follow and adhere to issues such as mobility, waste management, energy efficiency, climate change, education, and food.

ARQUS European University Alliance

The universities of Padua, Granada, Bergen, Graz, Leipzig, Lyon, and Vilnius began working together in November of 2018 under the consortia ARQUS.

The goal of ARQUS is to enhance the attractiveness of a European higher education and to provide professional opportunities available and inclusive for all. The ARQUS “European University Alliance” project is among the 17 consortia selected and financed by the European Commission.

Veneto Agreement for Sustainable Development

In December 2019, the University of Padua joined the Veneto Regional Agreement for Sustainable Development.

The agreement is based on discussions between the members and regional partners aimed at outlining protocols of action to promote the application behind the principles of sustainable development.

Research

As a multidisciplinary institution, the number of University of Padua activities in the field of sustainability are innumerable. Intending to equip itself with monitoring tools, the University began to map out research projects as well as products concerning sustainable development issues and related funding. Several surveys have been conducted towards the participation in GreenMetric rankings. Keywords were used to follow the 17 goals set by the United Nations for the 2030 Agenda for Sustainable Development throughout all University Departments and Centres.

**more than
17M€**

granted between 2017 and 2019 by PRIN (*Progetti di Rilevante Interesse Nazionale*) financing 132 University projects

**more than
33M€**

in 2019 from proceeds deriving from competitive research funds in line with 2018

14,759,861 €

2019 sustainability research budget

Cultural heritage, knowledge and best practices

CULTURAL HERITAGE

259,562 guests took a guided tour of the historical and monumental sites of Palazzo Bo, the Botanical Garden, and Villa Bolasco in 2019

45,113 guests were able to participate in guided tours of Palazzo Bo, the Botanical Garden, and Villa Bolasco in 2020, as they were often closed due to the COVID-19 emergency

32,214 visitors to University Museums in 2019

TECNOLOGICAL TRANSFER

29 new patent applications filed in 2019, with an additional 29 as of Sept. 30, 2020, 11 PCT Extension Patent applications, 47 University Family Patent on the Knowledge Share portal

4 new spin-offs set up and 3 companies recognized in 2019, raising the number of University spin-offs to 86

LABOUR MARKET CONNECTIONS

24,845 internships within Italy and 741 internships abroad

361 individual job counselling, in addition to 15 seminars, 5 workshops, and 16 transversal skill training sessions

3,841 CV's sent within Italy by the University Job Placement Program, as well as 64 CV's sent abroad. In 2019, 2,579 companies used the Job Placement Program for the first time (2018 had only 492 users)

4 Career days, 26 company presentations, and 1 Business Game for Data Scientists

68 Civil Service operators in 2019 and 80 in 2020

Communication

An abundance of editorial space and planning is dedicated to communicating sustainability issues including in-depth current events, research developments, policy changes, and the actions of the University.

The University actively participates in national and international awareness-raising campaigns by involving the entire university community in events such as *M'Illumino di Meno* (light pollution event) and the Sustainable Development Festival.



+146%

Increase in visitors to *Il Bo Live* (news media platform) compared to 2018

937,844

Unique Visitors in 2019 to *Il Bo Live* news media platform

ACTIVITIES	2019	2020 as of Sept. 30
content published on <i>Il Bo Live</i> related to sustainable development	550	637
events published on <i>Il Bo Live</i> related to the 17 (SDGs) goals set by the United Nations	312	106
events organized at the University related to the 17 (SDGs) goals set by the United Nations	839	263

Coordinated by

Francesca da Porto
Vice Rector for Buildings and Safety

Operationally coordinated by

Gioia Grigolin
Head of Marketing and Communications

Drafted by

ACOM - Office of Public Engagement
Alessandra Armenti, Federica Beniero,
Donatella D'Angelo, Fabio Fignani,
Rosa Nardelli, Domenico Ranieri,
and Elisabetta Tartaglia

Editing and Graphic Design by

ACOM - Communication Office
Pietro Bellini, Giuliano Bocchi,
Stefano Gueraldi, Marta Guidolin, Gioia
Lovison, and Luisa Mazzaroli

English translation by

Ellen Jane Corcoran

sostenibilita@unipd.it
www.unipd.it/sostenibile

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© Università degli Studi di Padova
via VIII febbraio 2 Padova
www.unipd.it



AMARE
Installation Art
Christmas, 2019
Palazzo Bo, Cortile Antico



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