



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

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2020/21



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NINE CENTURIES OF HISTORY



20th ANNIVERSARY OF THE BOLOGNA PROCESS

The event was attended by 200 Rectors and over 1,000 professors, students and researchers from over 70 countries, along with representatives from various ministries and international organisations. It was a big event to outline a new vision of the university of the future.

2019

THE UNIVERSITY LOOKS TO THE FUTURE

In order to implement a planning process for tackling the challenges posed by contemporary reality, particularly in relation to sustainable development, the University integrates its strategic planning with a re-reading of the 17 basic sustainable development goals as proposed by the 2030 Agenda adopted by the UN General Assembly.

2016

1999 BOLOGNA PROCESS

Signature of the Bologna Declaration creating the European Higher Education Area (Bologna Process).

1999

UNIVERSITY, AN INTERNATIONAL AGREEMENT

Celebrating the Alma Mater's ninth centenary, the Rectors of 500 European universities meet in Bologna to sign the Magna Charta Universitatum to confirm the value and autonomy of universities.

1988

NEW CHALLENGES

The University continues to play an undisputed central role among many other places of learning and research institutions. It continues to cooperate with all major institutions in the world, within an increasingly dynamic and complex global framework.

20th
CENTURY

THE MOTHER OF ALL UNIVERSITIES

In 1888, the University celebrates its eighth centenary, a grand event held in Bologna attended by representatives of all the world's universities, honouring the Alma Mater Studiorum as the mother of all universities.

1888

FROM BOLOGNA TO THE WORLD, FROM THE WORLD TO BOLOGNA

Medicine and philosophy, hard sciences and mathematics, engineering and economics are the major subjects of a university that becomes an undisputed international authority in all fields of knowledge. The University sends and attracts scientists and scholars, creating an increasingly broad network of relations.

16th-18th
CENTURY

BROADENING THE HORIZONS OF KNOWLEDGE

Beginning in the 14th century, jurist schools sit alongside so-called "artists", students of Medicine, Philosophy, Arithmetic, Astronomy, Logic, Rhetoric and Grammar. Bologna becomes an obligatory destination for all key intellectuals of the time.

14th-15th
CENTURY

ONE CITY, MANY NATIONS

The University bears witness to its nature as an international community with over 2,000 students from all across Italy and Europe. The University fights to maintain its autonomy against all outside interference.

13th
CENTURY

FREEDOM OF RESEARCH

Federico I Barbarossa recognises the University as a libera societas of masters and pupils. The empire undertakes to protect scholars travelling for the purposes of study. For the first time, the absolute freedom of research is ratified.

12th
CENTURY

THE BIRTH OF THE UNIVERSITY

The Studium in Bologna is the first home of free teaching, independent from ecclesiastic schools. Irnerio's law school marks the birth of Western universities.

1088

MULTI-CAMPUS UNIVERSITY



UNIVERSITY GOVERNING BODIES

- **Rector** supported by 6 vice-Rectors with the following duties: Deputy Rector and Digital Technologies, Teaching, Research, Human Resources, International Relations, Students.
- **Academic Senate** composed of 35 members: Rector, 10 Heads of Department, 15 Professors and Assistant Professors, 3 representatives of the Technical and Administrative Staff, 6 student representatives.
- **Board of Governors** composed of 11 members: Rector, 5 internal members, 3 external members, 2 student representatives.
- **Board of Auditors** composed of 3 statutory members and 2 deputy members.
- **University Evaluation Unit** composed of 5 members, 4 of which are external.
- **Director General.**

AUXILIARY BODIES

- Student Council composed of 33 members.
- Technical and Administrative Staff Council composed of 24 members.
- Sponsors' Committee composed of 9 members representing the bodies and institutions working in the various fields and territories the University operates in.
- Student Ombudsman.
- Guarantee Committee for Equal Opportunities, Employee Wellbeing and Non-Discrimination at Work.

5 SCHOOLS

- Arts, Humanities, and Cultural Heritage
- Economics and Management
- Engineering
- Medicine
- Science

32 DEPARTMENTS

Medicine

- Experimental, Diagnostic and Speciality Medicine
- Biomedical and Neuromotor Sciences
- Medical and Surgical Sciences
- Veterinary Medical Sciences

Science

- Chemistry "Giacomo Ciamician"
- Industrial Chemistry "Toso Montanari"
- Pharmacy and Biotechnology
- Physics and Astronomy "Augusto Righi"
- Mathematics
- Biological, Geological, and Environmental Sciences
- For Life Quality Studies

Social Studies

- Management
- Economics
- Legal Studies
- Political and Social Sciences
- Statistical Sciences "Paolo Fortunati"
- Sociology and Business Law

Technology

- Architecture
- Computer Science and Engineering
- Civil, Chemical, Environmental, and Materials Engineering
- Electrical, Electronic, and Information Engineering "Guglielmo Marconi"
- Industrial Engineering
- Agricultural and Food Sciences

Humanities

- The Arts
- Classical Philology and Italian Studies
- Philosophy and Communication Studies
- Modern Languages, Literatures, and Cultures
- Psychology "Renzo Canestrari"
- Education Studies "Giovanni Maria Bertin"
- History and Cultures
- Cultural Heritage
- Interpreting and Translation

RESEARCH AND TRAINING CENTRES

- Experimental Farm:
- Public Sector Research and Training Centre: Specialisation School for Public Administration Studies, European School of Advanced Fiscal Studies, Advanced School for Health Policy, High School for Legal Studies, Specialisation School for Legal Professions “Enrico Redenti”.
- “Ercole De Castro” Advanced Research Center on Electronic Systems.
- Centre for Advanced Studies in Tourism.
- Interdepartmental Research Center Alma Mater Research Institute For Human-Centered Artificial Intelligence (Alma Human AI).
- “Giorgio Prodi” Interdepartmental Cancer Research Centre.
- Interdepartmental Research Center Alma Mater Research Institute on Global Challenges and Climate Change (Alma Climate).
- Interdepartmental Research Centre for Environmental Sciences.
- Centre for Applied Biomedical Research.
- Advanced School of Studies on the City and Territory.
- International Center for Humanities "Umberto Eco"

LIBRARIES, MUSEUMS AND HISTORICAL ARCHIVE

- University Library System
- Bologna University Library and Historical Archive
- University Museum Network

ISTITUTO DI STUDI SUPERIORI (INSTITUTE FOR HIGHER STUDIES)

- Collegio superiore
- Istituto di Studi avanzati (Institute of Advanced Studies)

LIVING VALUES: ENGAGING THE COMMUNITY OF THE UNIVERSITY OF BOLOGNA ON VALUES OF THE MAGNA CHARTA

The Living Values project, promoted by the Magna Charta Observatory, helps institutions reflect on their distinctive values and to redefine their mission in response to current challenges.

The University supported the initiative of the Magna Charta Observatory, which involved teachers, students and the technical and administrative staff in an analysis of the fundamental values of our academic community in order to identify that which makes us unique. The discussion concluded with the definition of a common approach based on five core values: **Critical Thinking, Integrity, Engagement, Cooperation, and Responsibility.**

INTERDEPARTMENTAL INDUSTRIAL RESEARCH CENTRES

Seven *CIRI* have been set up as a result of the Programme Agreement between the Emilia Romagna Region, the University of Bologna and Local bodies of the Romagna Region concerning the creation of high-technology clusters (Technopoles). The goal of these research centres is to enhance research, industrial relations and the transfer of knowledge and technology.

- Aerospace
- Agri-food
- Building and Construction
- Renewable Resources, Environment, Sea and Energy - FRAME
- ICT
- Advanced Mechanics and Materials
- Health Science and Technology

UNIVERSITY CENTRES

- University Language Centre
- University Centre for the protection and promotion of health and safety: Occupational Safety and Health Service; Service for Animal Welfare in the University Teaching and Scientific Facilities
- Education Innovation Centre

ALMA MATER FOUNDATION

The Alma Mater Foundation is an operational entity that performs planning and management tasks for the University of Bologna and supports the University in the pursuit of its stated goals.

UNIVERSITY RESEARCH HOSPITALS

- Rizzoli Orthopaedic Institute
- Institute of Neurological Sciences Bologna
- Institute of Romagna for studying tumors
- Sant'Orsola University Hospital Bologna

ALMA MATER ADOPTION OF THE UN 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

With a view to meeting the challenges imposed by modern society and directing all our institutional activities towards the pursuit of sustainable development, the University planning and reporting processes, which document our objectives, activities and results, now take full account of the 17 sustainable development goals proposed in the 2030 Agenda adopted by the General Assembly of the United Nations.

In 2016, the University adopted an additional annual reporting tool (Report on U.N. Sustainable Development Goals) in order to monitor systematically the impact of the various University activities in terms of their sustainability. This report outlines the direct and indirect impact of the University of Bologna in terms of learning, research, third mission, and institution, with a view to pursuing the 17 Sustainable Development Goals proposed by the UN.

The Report on U.N. Sustainable Development Goals brings us into an increasingly widespread and qualified international debate on the role that universities should play in promoting, at all levels, actions consistent with the transformative ambition of the SDGs.

Sustainability is no longer one of the many possible options, but encourages everyone to completely rethink lifestyles, business models, institutional processes and public policies within a new

development paradigm where we are all called upon to play our part.

The Covid-19 pandemic is enhancing the transformative value of the 2030 Agenda, helping us to make decisions today with a clear understanding of the systemic long-term implications that our choices will have on SDGs, avoiding non-integrated approaches and suboptimal actions.

The University of Bologna has embraced the principles of sustainable development by integrating them into all its institutional processes, plans and documents defining University governance and management activities.

Alongside planning and reporting tools, the Almagoals project, which envisages multichannel communication on sustainability issues, has been set up with a view to raising awareness among the academic community and international stakeholders.



CESENA CAMPUS | VOCATION

- AGRICULTURE AND FOOD
- ARCHITECTURE AND PSYCHOLOGY
- ICT AND BIOENGINEERING

Schools

- Engineering

Department and Departmental Local Organizational Units (U.O.S.)

- Architecture (Department and U.O.S.)
- U.O.S. Informatics – Science and Engineering
- U.O.S. Electrical, Electronic, and Information Engineering “Guglielmo Marconi”
- U.O.S. Psychology
- U.O.S. Agricultural and Food Sciences
- U.O.S. Veterinary Medical Sciences

Other academic structures

- Interdepartmental Industrial Research Centre - Agrifood
- Interdepartmental Industrial Research Centre - ICT

FORLÌ CAMPUS | VOCATION

- SOCIAL AND INTERNATIONAL SCIENCES
- LINGUISTICS AND INTERCULTURAL STUDIES
- AEROSPACE ENGINEERING

Schools

- Economics and Management

Department and Departmental Local Organizational Units (U.O.S.)

- Department of Management
- Department of Interpreting and Translation
- U.O.S. Industrial Engineering
- U.O.S. Economics
- U.O.S. Sociology and Business Law
- U.O.S. Political and Social Sciences

Other academic structures

- Interdepartmental Industrial Research Centre - Aerospace
- Interdepartmental Industrial Research Centre - ICT

RAVENNA CAMPUS | VOCATION

- ENVIROMENT AND SEA
- CULTURAL HERITAGE
- RIGHTS

Schools

- Arts, Humanities, and Cultural Heritage

Department and Departmental Local Organizational Units (U.O.S.)

- Department Cultural Heritage
- U.O.S. Industrial Chemistry “Toso Montanari”(Faenza)
- U.O.S. History and Cultures
- U.O.S. Biological, Geological, and Environmental Sciences
- U.O.S. Legal Studies
- U.O.S. Chemistry “Giacomo Ciamician”

Other academic structures

- Interdepartmental Research Centre for Environmental Sciences
- Interdepartmental Industrial Research Centre-Renewable Resources, Environment, Sea and Energy - FRAME
- Advanced School of Studies on the City and Territory
- Interdepartmental Research Centre for Advanced Mechanics and Materials
- Interdepartmental Research Centre for Building and Construction

RIMINI CAMPUS | VOCATION

- WELLNESS AND SUSTAINABLE DEVELOPMENT
- TOURISM AND FASHION
- SERVICES FOR PEOPLE, BUSINESS AND ENVIRONMENT

Schools

- Economics and Management

Department and Departmental Local Organizational Units (U.O.S.)

- Department of Management
- Department For Life Quality Studies
- U.O.S. Industrial Chemistry “Toso Montanari”
- U.O.S. Economics
- U.O.S. Statistical Sciences “Paolo Fortunati”

Other academic structures

- Centre for Advanced Studies in Tourism
- Interdepartmental Research Centre for Advanced Mechanics and Materials
- Interdepartmental Industrial Research Centre-Renewable Resources, Environment, Sea and Energy - FRAME

REPRESENTACION EN LA REPUBLICA ARGENTINA

The site in Argentina, which represents the Alma Mater Studiorum - Università di Bologna in all of Latin America (1998), provides a space for discussion of the processes of political and economic integration between Europe and Latin America. The Representacion en la Republica Argentina site facilitates exchange activities between students, teachers, researchers, public servants and private entrepreneurs and offers First Cycle Degree and postgraduate degree programmes.

BRUSSELS - UNA EUROPA (EUROPEAN UNIVERSITY ALLIANCE) AND UNA.RESIN RESEARCH

UNA Europa, an alliance of eight prestigious European universities, seeks to take a further step towards the creation of an integrated, multilingual, and multidisciplinary academic area in Europe, based on the underlying values of interconnectivity, inclusiveness, innovation and internationalisation.

The University's site in Brussels has been set up with the aim of developing joint activities and is an operational point of contact for facilitating implementation of the activities, projects and initiatives of the universities in the network.

SICES (SINO-ITALIAN CENTRE FOR SUSTAINABILITY) IN SHANGHAI

In 2018, on the initiative of the Italian Ministry for Environment, Land and Sea Protection, the SICES Centre was set up in the Yunchuo building at Tongji University, involving the participation of several Italian universities that are part of the initiative. SICES provides an opportunity to establish new and more balanced relations with China, in constant contact with the Italian Embassy in Beijing and the Consulate General of Italy in Shanghai, on matters related to environmental sustainability.

THE UNIVERSITY OF BOLOGNA IN NEW YORK

Following an agreement between the Alma Mater, the “Federico II” University of Naples and the Sapienza University of Rome, the University of Bologna opened a branch at the Tata Innovation Center - Cornell TECH - in New York. The aim of this shared space is to develop teaching, entrepreneurial training, scientific cooperation, technology transfer and alumni networking activities, as well as to promote activities of common interest together with the Italian Universities involved in the agreement.

STUDENTS

A.Y. 2019/2020

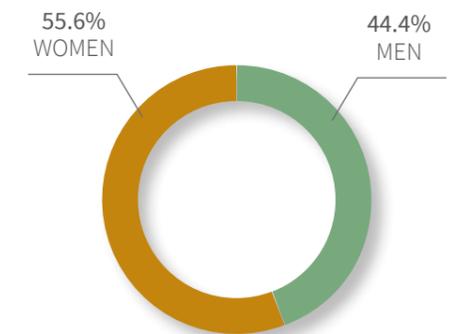
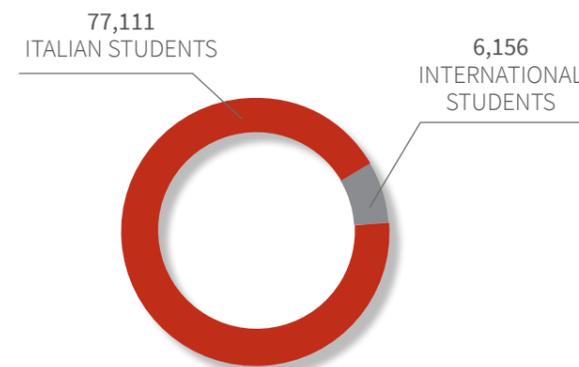


TOTAL NUMBER OF STUDENTS ENROLLED
87,590

OF WHICH INTERNATIONAL STUDENTS
6,725

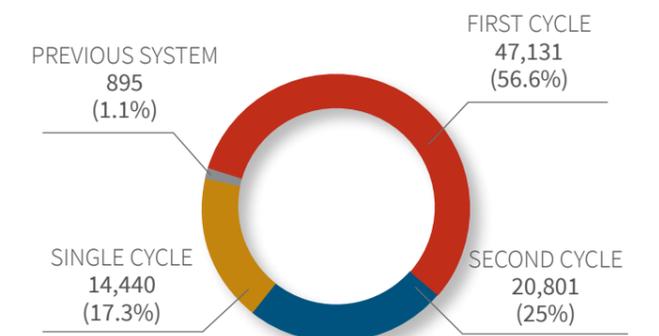
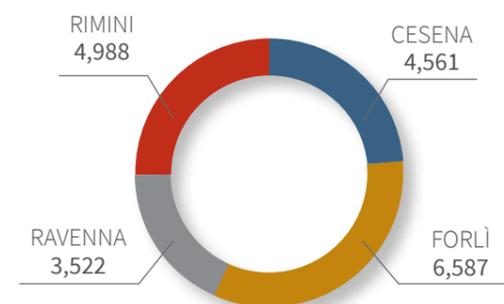
STUDENTS ENROLLED IN DEGREE PROGRAMMES
 (FIRST CYCLE, SECOND CYCLE, SINGLE CYCLE PROGRAMMES
 AND DEGREE PROGRAMMES UNDER
 THE PREVIOUS DEGREE SYSTEM): **83,267**

STUDENTS ENROLLED IN
 DEGREE PROGRAMMES
 BY GENDER



TOTAL NUMBER OF STUDENTS IN THE ROMAGNA
 CAMPUSES: **19,658 (22.4%)**

ENROLMENTS BY DEGREE PROGRAMMES



REGION OF ORIGIN OF ITALIAN STUDENTS ENROLLED IN DEGREE COURSES



OVERALL STUDENTS SATISFACTION*

Students are generally satisfied with their degree programmes	Alma Mater	Mega Universities	Italy
	91%	88%	90%

EMPLOYMENT STATUS OF 1ST CYCLE DEGREE 2018 GRADUATES 1 YEAR AFTER GRADUATION*

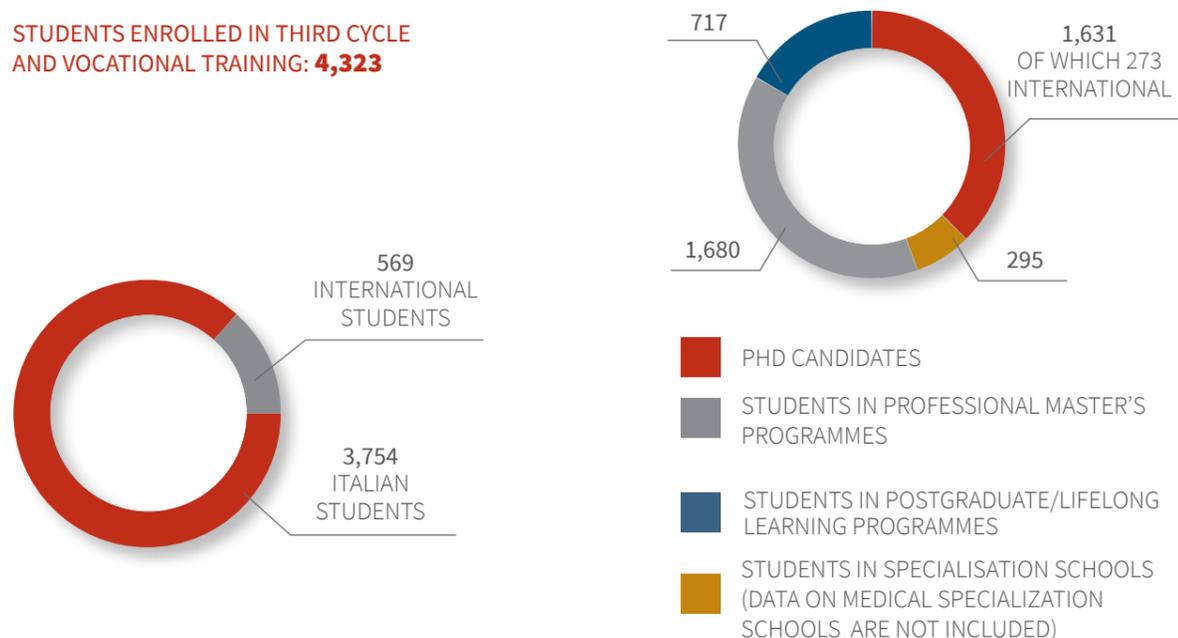
	Alma Mater	Italy
Either employed or unemployed and not seeking for work	90%	86%

EMPLOYMENT STATUS OF 2ND CYCLE AND SINGLE CYCLE DEGREE GRADUATES 1, 3 AND 5 YEARS AFTER GRADUATION*

Either employed or unemployed and not seeking for work Either employed or not seeking for work		2018 graduates	2016 graduates	2014 graduates
		1 year after graduation	3 years after graduation	5 years after graduation
	Alma Mater	83%	90%	93%
	Italy	81%	89%	91%

* Source: AlmaLaurea

STUDENTS ENROLLED IN THIRD CYCLE AND VOCATIONAL TRAINING: 4,323



STUDENT SERVICES

- Incoming and outgoing guidance
- Job Placement
- Libraries and study rooms with extended opening hours also at the weekend equipped with computer stations and Internet wifi
- Cultural opportunities offered by public facilities in agreement with the University and also by the student association
- Services for students with disabilities and specific learning disorders and assistive technology laboratories
- Basic healthcare for students from outside Bologna
- Psychological services
- Psychological support for the University community in relation to the care of children and relatives
- Public transport passes and discounts
- Sporting activities, tournaments, courses and initiatives aimed at promoting a culture of physical fitness and well-being through the CUSB (Bologna University Sports Centre)
- Helpdesk for rental contract advice and registration
- Helpdesk for international students
- Advice and support for international students in relation to assessment of qualifications, obtaining study grants, immigration procedures and healthcare
- Service for the issue of a social security number for international students

RIGHT TO HIGHER EDUCATION

All students pay based on their ISEE (equivalent financial situation index). Full exemption is granted for ISEE values up to €23,000.00. Above this threshold, the tuition fee increases proportionally to the ISEE value, with special subsidies for the lowest incomes. Students have access to a wide range of economic benefits, based on merit and/or income.

12,874
ER-GO (Emilia-Romagna regional service for the right to Higher Education) study grants with full exemption from tuition fees.

720,000 €
for scholarships for students in underprivileged situations (40,000 € from ER.GO).

2,390
study grants for part time collaborations within university services

21,613
total exemptions from tuition fees (including the exemptions of those entitled to ER.GO study grants and those deriving from the new structure of the student fees system).

1,852
ER-GO accommodation places

20,489
partial exemptions from tuition fees deriving from the new structure of the student fees system.

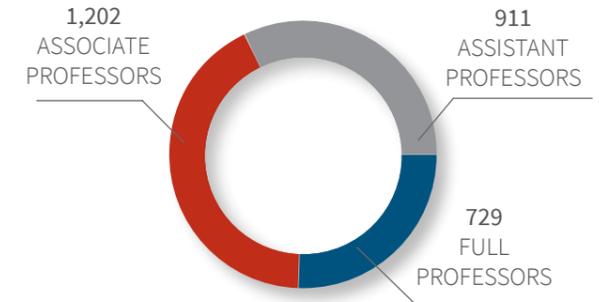
337
Student support service grants

450
Merit-based scholarships



HUMAN RESOURCES

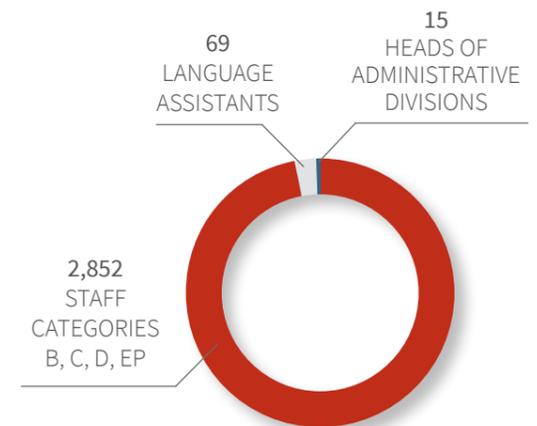
 TEACHING STAFF
2,842



PROFESSORS: 2018 RECRUITMENT PROCEDURES IN PROGRESS OR ALREADY COMPLETED

- 202** ASSISTANT PROFESSORS (FIXED TERM)
- 175** ASSOCIATE PROFESSORS
- 87** FULL PROFESSORS

 TECHNICAL-ADMINISTRATIVE STAFF
2,962



ROMAGNA CAMPUSES PERSONNEL

 TEACHING STAFF

- 208** CESENA
- 214** FORLÌ
- 181** RAVENNA
- 151** RIMINI

 TECHNICAL-ADMINISTRATIVE STAFF

- 106** CESENA
- 150** FORLÌ
- 84** RAVENNA
- 100** RIMINI

PERSONNEL TRAINING

Professional training is fundamental for improving the quality of the services provided. A total of 4,510 hours of training were provided in 2019 and 2,903 persons were trained. Overall, 64.7% of technical-administrative staff has attended at least one training or professional refresher course, receiving on average 22.2 hours of training. It should be noted that also in 2019, the University significantly invested in health and safety training, including through the use of e-learning methods. Over 50 courses have been delivered, with a total of 80 classes and 2,534 registered participants, including technical-administrative staff and other workers for whom investment in training is traditionally less of a priority.

ADVANCED TRAINING PROJECTS

The University supports the involvement of personnel in Advanced Training initiatives, as they represent tangible motivational and growth opportunities. During the 2019-2020 A.Y., 62 members of the technical-administrative staff were enrolled on University degree programmes.

From 2006 to date, 300 international mobility grants have been awarded to technical-administrative staff and 62 of these staff members have completed internships in non-European environments. Furthermore, Master's degree or advanced programmes were funded for 55 members of staff.

DISABILITIES

The University pays special attention to persons with special needs, having promoted initiatives for their inclusion for many years. These initiatives include the creation of the Office for Inclusion and Labour Protection, the goal of which is to promote entry to and permanence in the world of work throughout the person's working life. Planned actions include: initiatives aimed at protecting individuals and managing conflicts and critical issues, support in the provision of assistance and in adapting facilities, the organisation of focus groups with specialists in order to analyse critical issues, and the permanent mapping of disability in the University. This is supported by a widespread campaign to raise awareness in working environments and the creation of a collaborative network, both internal among institutional figures and services responsible for occupational well-being, and external with various local bodies concerned with disability, allowing for a multimodal approach to critical issues.

GUARANTEE COMMITTEE FOR EQUAL OPPORTUNITIES, EMPLOYEE WELLBEING AND NON-DISCRIMINATION AT WORK - CUG

The CUG works actively on the development of an equal opportunities culture, the promotion of occupational well-being and measures against discrimination in the workplace. In 2018, the Committee approved the positive action plan for 2018-2021, covering training, awareness and communication measures, the further protection and assurance of equal opportunities, and the promotion of employee well-being and a proper work-life balance. The Committee also seeks to energise and facilitate the work of all the people and bodies of the University, with a view to eliminating discrimination and improving occupational well-being. In 2016, the CUG, via H2020 PLOTINA, a European project coordinated by Alma Mater, promoted the publication and approval of a Gender Equality Plan (GEP 2016-20), which it continued to monitor and promote throughout 2019.

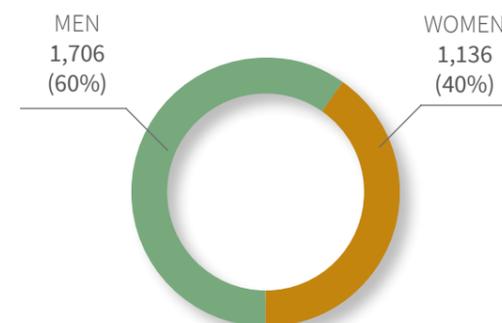
GENDER EQUALITY REPORT

The University's annual reporting cycle now includes a Gender Equality Report with the aim of identifying areas where inequalities still exist and monitoring the effects of policies, measures and affirmative actions implemented by the University to promote equal opportunities.

In recent years, the working group responsible for preparing the Gender Equality Report has progressively refined the analysis and interpretation of the data collected. In the current edition of the report, it takes into account the context indicators suggested by the Guidelines for Gender Equality Reporting in Italian Universities formulated by the CRUI Group for Gender Equality Reporting, a group in which the University of Bologna has also participated. This decision will make it possible in future analyses to compare the gender distribution in our University with the situation in other Italian universities. Although the numbers in the 2019 Gender Equality Report, when viewed from a long-term perspective, show a slow percentage increase indicating a rise in the number of women in teaching roles and a reduction in the existing gap in the more segregated degree programmes, there are still ample margins for improvement with regard to the goal of achieving equality. On the other hand, while publishing guidelines to encourage all universities to reflect on their gender composition is fundamentally important, this should not be a merely periodic (albeit worthy) intellectual exercise, but should drive the adoption of measures aimed at the elimination of gender stereotypes in education at the national and university levels. Such measures would help to promote effective equal opportunities in academic careers and contribute to the development of a greater level of social justice.



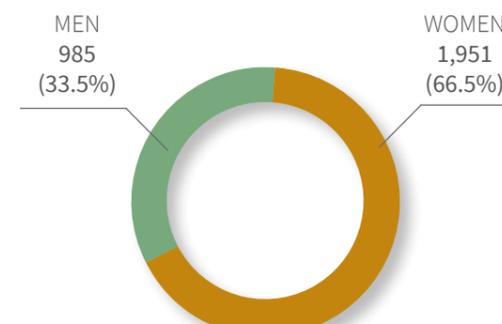
TEACHING STAFF



	MEN	WOMEN
FULL PROFESSORS	533 (73.1%)	196 (26.9%)
ASSOCIATE PROFESSORS	682 (56.7%)	520 (43.3%)
ASSISTANT PROFESSORS	491 (53.9%)	420 (46.1%)



TECHNICAL-ADMINISTRATIVE STAFF



EDUCATION

A.Y. 2020/2021



The numerous, highly diversified courses listed in the University of Bologna's programme catalogue – including first and second cycle degree programmes and specialist postgraduate studies – guarantee the personal and professional development of students. The value and quality of the courses offered is borne out by the increased number of enrolments in recent years.

Students can also make use of a wide range of services and facilities during their time at the University: welcome and orientation events, services to support the right to higher education of gifted students from underprivileged backgrounds, recreational and sports activities, language courses, assistance with international exchanges and study periods abroad, degree programme tutoring and help when entering the world of work.

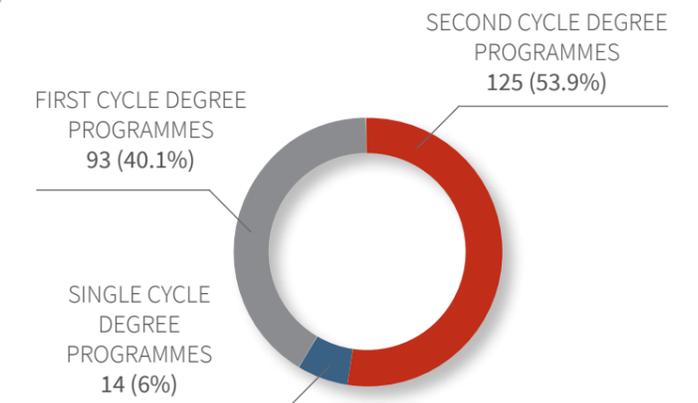


DEGREE PROGRAMMES (A.Y. 2020/2021)

232

OF WHICH 84 INTERNATIONAL

- 47** TAUGHT IN ENGLISH
- 22** TAUGHT IN ENGLISH GIVING DUAL OR MULTIPLE DEGREES
- 16** TAUGHT IN ITALIAN GIVING DUAL OR MULTIPLE DEGREES



PROGRAMME CATALOGUE A.Y. 2020/2021 BY CAMPUS

CAMPUS	FIRST CYCLE DEGREE PROGRAMMES	SECOND CYCLE DEGREE PROGRAMMES	SINGLE CYCLE DEGREE PROGRAMMES	TOTAL
BOLOGNA	64	88	8	160
CESENA	7	8	1	16
FORLÌ	6	12	1	19
RAVENNA	8	8	3	19
RIMINI	8	9	1	18
TOTAL	93	125	14	232

THE UNIVERSITY LANGUAGE CENTRE (CLA)

It promotes language learning through courses aimed at university students, international exchange students and university staff. It offers languages courses in Arabic, French, English, Spanish and German as well as Italian courses for international students. It supports students in preparing to take the language tests and organises language proficiency tests for exchange programmes. The CLA has also developed the AlmaEnglish project to achieve international certification free of charge and CLA Academics aimed at teachers, researchers, research fellows and PhD students who wish to improve their English language skills.

ALMA MATHEMATICA

This project offers courses and online resources to help students prepare for the entrance test which requires basic mathematics skills, or to help them improve their maths in order to meet any Additional Learning Requirements.

FLEXIBLE LEARNING (PART-TIME STUDENTS)

Students enrolled on a first- or second-cycle degree programme (excluding certain specific programmes) may extend the duration of their studies, taking longer than usual to complete the programme without being considered “fuori corso” (past the envisaged completion time for the degree programme). In practice this means that students may take two years to complete the learning activities usually completed in one year.

“DUAL-CAREER” PATH - “STUDENT-ATHLETE” STATUS

Open to gifted athletes, this path offers certain benefits to students so as to allow them to combine their studies with their sporting careers.

TEACHING INNOVATION: TEACHER TRAINING AND THE DEVELOPMENT OF TRANSFERABLE SKILLS FOR STUDENTS

The Centre for teaching innovation promotes the continuous improvement of university teaching methods, as required by the University's quality management system, with a view to ensuring an incisive and effective learning process for the entire student community. It was created in order to allow teachers to develop methods and tools to support innovative teaching and a constructive relationship with the students. In the three years since launching the project, 84 initiatives have been rolled out, broken down into 191 classes, with a total of 889 teaching hours delivered and 2,139 participants. Course units dedicated to the

development of transferable skills have also been proposed. Based on the European Union model, the University has identified the key skills for personal fulfilment and development, for active citizenship, social inclusion and employment. In the 2020/2021 academic year, students can choose from 61 course units on topics related to entrepreneurship, the development of communicative, managerial, dialogical and reasoning skills, and other skills related to health and safety and climate change issues. There are a total of 3,355 places available.

INSTITUTE FOR HIGHER STUDIES

A centre for international and interdisciplinary excellence, where University and other residents engaged in studies and research meet and interact with professors, researchers and students for the benefit of all. It belongs to various international networks of Higher Education Institutes with whom it shares methods, models and projects. It consists of two sections: the Collegio Superiore and the Institute of Advanced Studies.

The *Collegio Superiore* uses a merit-based approach to select particularly bright and well-motivated students for inclusion in advanced learning programmes with a strong interdisciplinary content. Currently the Collegio hosts 100 students and, during the 2020/2021 A.Y., will offer 168 hours of curricular lessons, 160 hours of seminars and 60 hours of international conferences.

The **Institute of Advanced Studies** selects high-profile PhD students and researchers from all over the world who are invited to Bologna by the University's own professors and researchers. It promotes the exchange of ideas and knowledge at an international level, encourages an interdisciplinary approach to research and teaching, and facilitates international mobility. From 2001 to date, the Institute has hosted a total of 374 academics drawn from 60 countries and has presented 269 lectures and 73 events, including the ISA Medal for Science, awarded to researchers with an outstanding international profile, and the ISA Topic study and research projects. The Institute of Advanced Studies is an active member of NetIAS (Europe) and UBIAS (global), which are international networks of Institutes of Advanced Studies.

CURRICULAR INTERNSHIPS

It is an experience intended to complete the University education of students, by enabling them to carry out practical work within or outside the University, in Italy or abroad, and to obtain the required University credits (CFU) indicated in the syllabus for their degree programmes. In 2019 there were 21,626 curricular internships.

THIRD CYCLE AND VOCATIONAL



48 PHD / DOCTORAL PROGRAMMES
53 SPECIALISATION SCHOOLS
86 PROFESSIONAL MASTER'S PROGRAMMES (OF WHIC 18 INTERNATIONAL)

PHD

Alma Mater invests in young people: around 16 million euros were allocated to the funding of PhD student scholarships in the 36th cycle. In addition to these, direct funding from University structures and external public and private bodies is available, amounting to 11 million euros (a net increase on previous cycles), and 3 million euros are available from the Departments of Excellence and the Strategic Project Development Department (PSSD).

The overall budget for the aforementioned cycle amounts to more than 38 million euros. There are a total of 615 PhD places available in the 36th cycle.

The relationship between industry and the local community is significant, with funding agreements in place with private companies and public bodies and with a total of 12 industrial PhD programmes, 21 intersectoral PhD programmes and 1 advanced apprenticeship PhD across all active cycles.

MASTER'S DEGREE AND PROFESSIONAL TRAINING COURSES

The University of Bologna offers a wide range of master's degree programmes and professional and multidisciplinary courses, which are an ideal way for students to complete their studies. Designed for the purpose of creating new professional roles, the programme syllabi are based on the real needs of the world of business. In the academic year 2019/2020, the University rolled out 86 master's degree programmes (30 in the medical disciplines, 39 in the social disciplines, 12 in the technical-scientific disciplines, 5 in the humanities) and 47 postgraduate programmes, lifelong learning courses and summer and winter schools that award university credits. This range is further supplemented by many courses that do not award credits, but nevertheless give rise

1,631 PHD STUDENTS (up to 31/07/2020)

272 are international:

Europe	102
Asia	101
Africa	27
North America	6
Central and South America	36
Oceania	1

In particular, of the 48 PhD programmes accredited in the 2020/21 academic year, 7 are in agreement or consortium with other Universities and public and private research bodies.

With regard to the University's international profile, in 2019/20, 18 new framework agreements were signed with international strategic partners, of which 6 with non-EU partners, 1 network partnership entitled “PhD Net in Philosophy, Science, Cognition, and Semiotics (PSCS)”, and 11 with various EU partners. In addition, 48 joint supervision agreements were signed, 25 of which for outgoing PhD students enrolled at the Alma Mater and 23 for incoming PhD students enrolled at foreign universities. Collaboration continues with China, with the renewal for three years of the Cooperation Agreement with the China Scholarship Council, and with Brazil (CAPES and CNPq), in order to promote the matriculation and exchange of foreign PhD students.

to important educational and professional pathways that will result in considerable development of our third mission activities.

BOLOGNA BUSINESS SCHOOL

The University's point of reference for post-graduate managerial training. The internationally oriented programme catalogue, based on close and constant contact with the world of business, ensures excellent coordination with the University's academic organisation. The overriding priority of the Bologna Business School is to train a new generation of international managers, capable also of contributing to the development of businesses in the region.

RESEARCH



The Strategic Plan promotes national and international scientific development in various different and multidisciplinary fields in line with the needs of society and the pursuit of the Sustainable Development Goals of the United Nation's 2030 Agenda. The University recognises the value of responsible research and innovation and is committed to open science, research ethics and integrity, gender equality, public engagement and scientific education. Open science is a particularly crucial model in the pursuit of scientific research that is in line with the innovative developments of global society in the digital age, in the promotion of cultural, economic, social and technological innovation processes at the local, national and international levels, and in contributing to the improvement of research conditions.

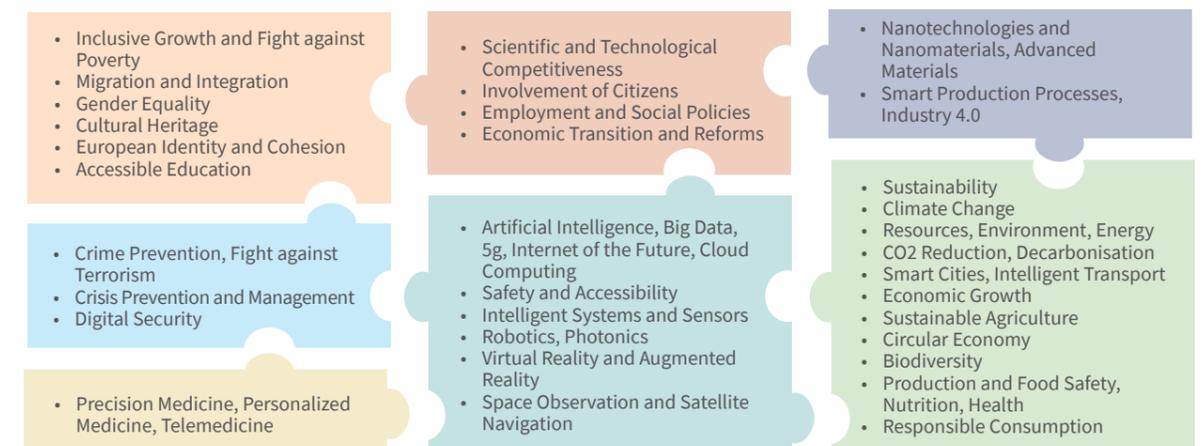
OUTSTANDING MULTIDISCIPLINARY RESEARCH

The University's 13 Thematic Groups support the University in promoting various knowledge environments through access to competitive funding and positioning the University in the research system, as well as in aligning its vision and actions with Europe and at the regional and national levels.

- Agri-food
- Biotechnologies and Biobased Industries
- Climate
- Energy
- Raw Materials
- Nanotechnologies, advanced materials and processes
- Health
- Digital Health
- Humanities and Social Studies
- Security
- Space
- Information and Communication Technologies
- Transports

STRATEGIC NETWORKING IN ORDER TO MEET GLOBAL CHALLENGES

The University is party to over 120 associations, networks and framework agreements for collaboration in order to contribute to strategic research and innovation agendas and assert its role in meeting global challenges.



UNA EUROPA RESEARCH: UNA.RESIN

Una Europa - the strategic alliance of eight universities that aims to create a European university ecosystem - is now involved in [Una.Resin](#), a project to develop joint strategies on research and innovation, the pooling of infrastructure and resources and strengthening human capital. With around 2 million euros in European funding, in 3 years the pilot initiatives will make it possible to test innovative models of transnational and interdisciplinary collaboration, thereby contributing to the construction of a common research and innovation ecosystem that is open and inclusive.

COMPETITIVE PROGRAMMES



RESEARCH IN SUPPORT OF THE COVID-19 EMERGENCY

By promoting research ranging from the medical to the economic and social domains and encompassing various enabling technologies, the University has made relevant scientific contributions that have found immediate application at the local and national levels, also thanks to the extensive collaborative network with the industrial sector.

At the same time, in just a few months, the University's scientific community has committed to over one hundred project proposals in response to the most important calls for funding applications promoted by regional, national and European bodies. The most significant results include participation in a project that has received European funding to create a pan-European cohort in the context of the COVID-19 virus, and the submission of more than 130 project proposals in response to the national call for proposals announced by FISR in order to identify concrete scientific solutions to issues related to the COVID emergency and its impact on health, the economy and society.

SCIENTIFIC PRODUCTION

scientific production is monitored through a dedicated IT program created by Cineca and freely added to by professors and researchers: the Institutional Repository (IR) of the IRIS suite. In addition to gathering data related to the University's scientific production, this institutional archive makes

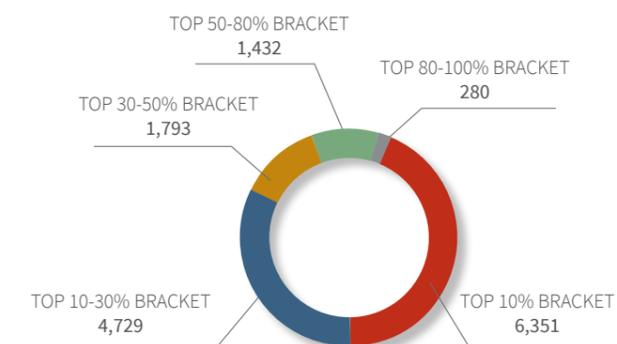
it possible to manage the full text of the contributions submitted according to the open access model. The data confirms that the scientific output of professors and researchers increased in the 2017-2019 period.

2017	2018	2019
10,750	10,546	10,344

Analysis of the Essential Science Indicators in InCites regarding scientific production in 2009 - 2019 period shows that the University is cited heavily in almost every discipline (21 out of 22) and that 969 articles written by University researchers are highly-cited papers, i.e. included in the top 1% of works cited at the global level and/or having a particularly large number of citations in the past two months (hot papers).

According to Web of Science, the University exceed the national average for international collaborations (44.08 of paper with international co-author) and for industrial partnerships (2.9% of papers with industrial co-author). With regard to Scopus data (Elsevier, July 2020), more than 7,000 scientific articles from the 2017-2019 period written by professors and researchers and recorded in the IRIS catalogue have been published in indexed journals that rank among the top 10% worldwide.

DISTRIBUTION OF UNIVERSITY PAPERS IN SCOPUS



1,232 RESEARCH FELLOWS

(up to 31/07/2020)
of which 118 international, from:

Europe	76
Asia	42
Africa	13
North America	2
Central and South America	19
Oceania	1

THIRD MISSION



The University of Bologna has continued to invest in relations with civil society and businesses, thus assisting the growth of an eco-system of innovation that facilitates both economic and social growth. **The University's Observatory for the assessment of the Third Mission** collects, analyses and promotes all the third mission activities of the University, ensuring the quality of the actions taken and facilitating the alignment of individual conduct with institutional objectives.

28.7

MILLION EUROS IN 2019
FOR COMMISSIONED RESEARCH
(NET OF THE VAT COLLECTED)

4.4

AVERAGE NUMBER OF
EVENTS PER DAY

INDUSTRIAL RELATIONS

40 active framework agreements with major businesses in key sectors (energy, ICT, chemicals, finance, automation). These agreements underpin the strategic partnerships through which research projects and contracts, joint laboratories, training and ongoing professional development, open innovation initiatives and collaboration with regard to social responsibility are delivered. They represent a truly virtuous circle between universities and business.

8 Joint Research Laboratories with businesses, in which university and company researchers, PhD and other students collaborate daily, with a mutual benefit deriving from the sharing of skills and mindsets.

3 Advanced vocational training schools for employees of companies that have chosen to entrust the realisation of their "company academy" to the University of Bologna.

1 COMPETENCE CENTER in the context of the National Industry Plan 4.0. BI-REX (Big Data Innovation & Research Excellence). This is a public-private partnership of 43 companies and 12 universities and research bodies, the creation of which was led by the University of Bologna, and which represents a strategic partner for the University for many innovation and training initiatives targeted in particular at small and medium enterprises.

Placement services. In 2019, almost 5,127 registered Italian and international companies published 3,753 job offers on the online noticeboard and consulted 43,076 CVs of the University's graduates. In addition to these activities, the University organises various initiatives to bring graduates together with representatives from the world of work such as career days, sector specific recruitment days and company presentations at the University which, in 2019, involved over 314 companies across the University campuses.

35 ACTIVE AND ACCREDITED SPIN-OFF BUSINESSES, including 13 with investments made via Almacube in the share capital and 2 in which an interest is held by early-stage specialist investors. These 35 businesses generate revenues of more than 13.5 million euros (2019) and have over 154 employees.

11 ACTIVE AND ACCREDITED START-UP BUSINESSES 1 of which is in the incorporation process and 1 of which with investment, via Almacube, in the share capital.

BUSINESS INCUBATION AND DEVELOPMENT

Almacube, which is the University's business incubator and which was certified by the Italian Ministry of Economic Development (MISE) in 2019, has managed 13 incubated businesses. Support for business development and incubation is provided through the **Cesenalab** at the Cesena campus and **Innovation Square** at the Rimini campus. At the Forlì campus, students can access the Basement Club, which is a project aimed at helping university students develop transferable skills and an entrepreneurial approach.

ENTREPRENEURSHIP SUPPORT INITIATIVES

PoC (Proof of Concept)

PoC is a funding opportunity aimed at the University's research staff in order to support the development, testing and validation of innovations patented by the University in order to maximise the benefits to be gained from their exploitation in the industrial sector.

Call for spin-off ideas

A call for the submission of business ideas aimed at PhD students, researchers and professors in order to encourage the emergence of innovative business concepts.

Basic academy training programme

A programme to raise business awareness among the entire research community. The aim is to stimulate creativity and to provide information that serves as a basis for the development of business ideas.

Call for business plans

A call for the submission of research projects in the form of a business plan that has the potential to lead to one of the University's spin offs. It is aimed at PhD students, researchers and professors.

Advanced academy

A round of meetings aimed at researchers, PhD students, and research fellows with business projects that are mature enough to begin developing a business plan. On completion of the meetings, participants will receive business development coaching.

AlmaLabor

A digital workshop to create prototype ideas for businesses and a space for training and coworking. It is aimed at students, PhD students researchers and professors and is also open to accredited start-ups and spin-offs.

Design Factory

The University is part of the Design factory DFGN (Design Factory Global Network) and has set up its own Open Innovation Centre bringing together all the Open Innovation initiatives involving students, businesses and professors. It is also part of the Challenge Based Innovation Program (CBI) in collaboration with the CERN, Universities and research centres, industrial partners and the Almacube incubator, as well as a member of the SUGAR programme network.

Startup day

This event brings together startupper (students with entrepreneurial ideas) and players (students who make their skills available to one or more startupper) and has had over 2500 participants.

Student4Africa

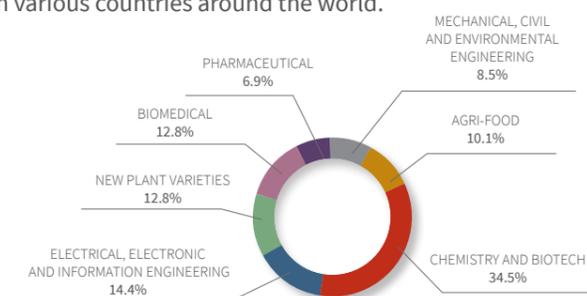
A project set up to support business generation designed and managed in collaboration with the Alma Mater Foundation. It seeks to support students and, looking ahead, any prospective PhD students in the development of projects with a potential impact on Africa.

AlmaEClub

An interdisciplinary club for professors and researchers of the University of Bologna set up to support the development of entrepreneurial culture through discussion, learning and project planning activities on academic entrepreneurship themes.

PATENTS AND LICENCES

In 2019, the University submitted 175 new patent applications, 29 of which were new submissions, originating from a patent portfolio that was active as at 31/12/2019 of around **470 patented titles**, deriving from 152 inventions. It also has an active portfolio of **24 patented vegetable varieties**, 80% of which is exploited through active licensing contracts in various countries around the world.



SOCIAL ENGAGEMENT COOPERATION AND DEVELOPMENT

AlmaEngage coordinates local and international cooperation and development activities within the University of Bologna. It promotes initiatives to raise awareness of cooperation and development in the academic and local communities. It also collaborates with national and international non-governmental organisations (NGO) to offer students the possibility of completing their studies through practical experience in the field.

The University is currently involved:

- in 2 platforms of the “Knowledge Partnership” programme of the Italian Agency for Cooperation and Development (AICS) which seeks to promote scholarship schemes for students from developing countries and to create think tanks between Italian universities on themes related to Sustainable Development Goals;
- in the “Italian support for university education in Somalia” initiative, which promotes advanced training in Italy for graduates of the Somali National University;
- in 29 Erasmus Plus Capacity Building projects, of which 7 are coordinated by the University, between the most active European universities in this area. These Capacity Building projects provide support in strengthening universities located in the southern hemisphere;
- in 2 training and technical support initiatives in the Western Balkans and Caucasus in a coordinating role, funded by the Italian Cooperation Agency;
- in 4 funded projects concerning cooperation in the development of the European Union, 2 of which concern education on the theme of developing global citizenship;
- in 7 NGO projects funded by the Emilia-Romagna Region for decentralised cooperation;
- in the European “Intra-Africa Mobility” project in order to promote the development and implementation of new mobility schemes between African universities. The University of Bologna acts as a technical partner.

UNIBO4REFUGEES AND UNI-CO-RE (UNIVERSITY CORRIDORS FOR REFUGEES – ETHIOPIA - UNIBO)

The University of Bologna is opening its doors to refugee students: through a process of guidance and selection, students can complete their studies and rebuild their future.

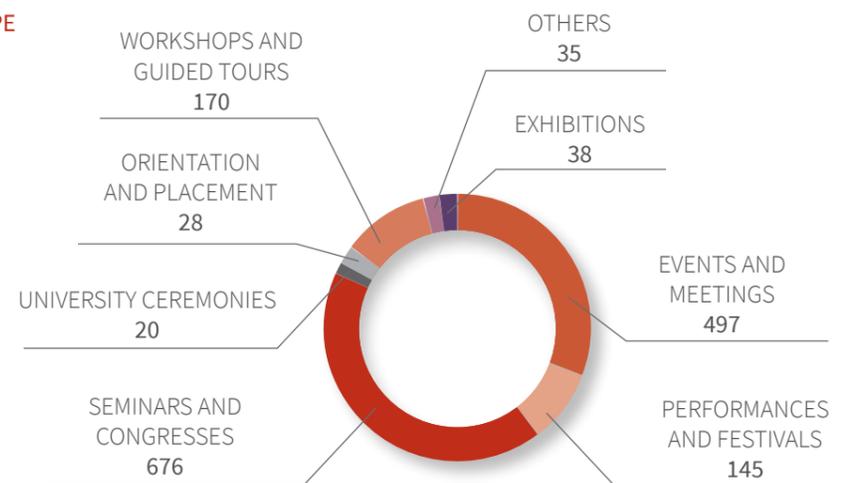
The Unibo for Refugees project allows students to enrol on course units and Italian language courses of the University of Bologna, as well as on degree programmes once protection is obtained, without having to pay any fees.

The University Corridors for Refugees UNICORE 2.0 project is promoted by 10 Italian universities with the support of the UNHCR, the Ministry of Foreign Affairs and International Cooperation, Italian charities, Diaconia Valdese and other partners. The goal is to increase opportunities for refugees currently resident in Ethiopia to continue their higher education in Italy.

PUBLIC ENGAGEMENT

The University of Bologna, which is considered one of the most beautiful universities in the world owing to its historic, palatial buildings and its substantial artistic, cultural and scientific heritage, takes a multifaceted approach to meeting the primary goals of its third mission, understood as engaging with society through its cultural activities. There are strong ties between the University of Bologna and the territories that are served, as confirmed by the large number of events - the Researchers' Night being one of the most important - held each year, often in collaboration with other local organisations. In particular, the relationship between the Municipality of Bologna and the University is focused on the process of upgrading the University area and promoting its use through cultural initiatives and events.

EVENTS BY TYPE



UNIBOMAGAZINE

is an online information medium that is updated on a daily basis. Managed by the editorial team at the Press Office, it offers the University's perspective on university events and the university sector in general, reports on cultural initiatives and awards, features guest writers, and provides further information on innovations and research. It is divided into eight thematic sections and is linked with the University's social media pages.

UNIBOCULTURA

is a cultural project that targets both the University and the City and is aimed at promoting and maximising the benefits of the cultural, historical and artistic resources of the Alma Mater. The project is multi-oriented and creates cultural and educational opportunities by organising public events, meetings with influential personalities, the Zambè summer festival in the heart of the university district, initiatives dedicated to specific topics linked to the cultural history of the University, guided tours of the University's historical buildings, and the production of informative content and materials. In response to the disruption caused by the Covid emergency, Unibocultura has adapted its mission in line with remote working and learning methods: during the lockdown, a series of meetings (Unibosera) were published on the University's social media channels in which teachers from various fields briefly discussed the most important disciplinary aspects arising from the current situation, followed by a series of readings of antique texts organised by "La Permanenza del Classico" ("The endurance of the Classic") Study Centre. In addition, a series of short films telling the stories of the places and people of the University throughout its history were published in order to strengthen knowledge of the University's history. The University's history continues to be told also in other ways, starting with the creation of routes throughout the city that intersect with all the historical sites of the University.

UNIVERSITY LIBRARY SYSTEM

The Library System is the coordinated set of libraries and facilities that provide bibliographic and documentary services to the University. It comprises 28 libraries with a total inventory of 4,3 million volumes and 7,000 journal subscriptions, with over 5,700 workstations for study and research. As well as the standard library services, it also provides access to 735 data banks, 50,000 online periodicals, and 400,000 e-books.

BOLOGNA UNIVERSITY LIBRARY

The central Library of the University focuses on protection, use and valorization of the collections including 12,850 manuscripts, and the oldest known complete Torah scroll. It also has a modern collection and it comprises the International Centre for Humanities "Umberto Eco".

UNIVERSITY MUSEUM SYSTEM

The network comprises 15 structures - including Museums, Collections and a digital museum space - dedicated to various disciplines. The University Museum Network is heavily involved in teaching activities for school pupils at all levels, as well as in the protection of assets through conservation, restoration and cataloguing measures that ensure maximisation of the benefits deriving from the collections also for research and learning purposes. The network also promotes public engagement activities and the dissemination of scientific culture in collaboration with public and private national and international institutions. With a view to keeping an open and continuous dialogue with the public and in light of the current emergency, the network is using digital communication tools that allow a new approach to museum heritage.

FEDERICO ZERI FOUNDATION

This centre for research and specialist training in the field of art history, established to protect and disseminate the works and legacy of Federico Zeri, conserves and promotes his extraordinary bequest: an Art Library (46,000 volumes and 37,000 auction-house catalogues) and a Photographic Library (290,000 photographs). The addition of new photographic collections to the original collections has significantly increased the assets, which today comprise 435,000 photographs of monuments and works of art. The University's goals include the cataloguing and digitalisation of the photographic library: currently the online database contains more than 177,000 images, a number which continues to grow. It can be accessed free of charge and is considered the most important repository of Italian art conserved on the web. There has also been an intensive focus on advanced training with seminars and courses on art history and the cataloguing of photographic archives, which represent a significant opportunity for learning and updating skills in the field.

LUISA FANTI MELLONI FOUNDATION

This foundation promotes research into heart attacks, cardiology and related disciplines; each year graduation prizes are awarded to the best students at the University of Bologna with dissertations on heart attacks or coronary heart disease, together with PhD scholarships for young researchers at the University of Bologna in the field of cardiology.

FOUNDATION FOR URBAN INNOVATION

Established together with the Municipality of Bologna, this foundation promotes activities in the public interest in the field of urban transformation and innovation, with a particular focus on topics of interest to citizens and the University, including development of the territory and local communities, urban planning and regeneration, environmental sustainability, the resilient city, the urban economy and technological innovation.



INTERNATIONALISATION

The University of Bologna sees internationalisation as a cross-dimensional aspect of its strategic plan and pursues the related aims and objectives as an integral part of its overall institutional strategy. This approach, which permeates the ethos of the University and requires the full responsibility and proactivity of the institutional players, impacts on all aspects of academic life. The internationalisation strategy also defines the affiliation structures for external collaboration and partnerships.

The University develops its internationalisation strategy through targeted interventions in different parts of the world, in primis in Europe, but with a growing focus on the global dimension, collaborating with institutions in an increasing number of countries. The University enters into strategic partnerships and agreements, organises exchanges and mobility programmes at all levels, and is involved in joint activities and projects with funding drawn from a broad range of national and international programmes as well as its own funds.

EUROPE

The University of Bologna has the highest number of exchange students in Europe and in Italy it ranks highest in terms of the number of students studying abroad and of study grants awarded in the context of the Erasmus+ programme.

In addition, the Alma Mater has distinguished itself through a series of best practices: a high number of graduates with mobility experience, a high rate of credit recognition, an increase in the level of language skills and reinforcement of international cooperation. The University coordinates or participates in more than 70 education and training projects funded by the European Union.

STUDENTS MOBILITY



FROM BOLOGNA TO EUROPE
(ERASMUS+ COUNTRIES)

2,811



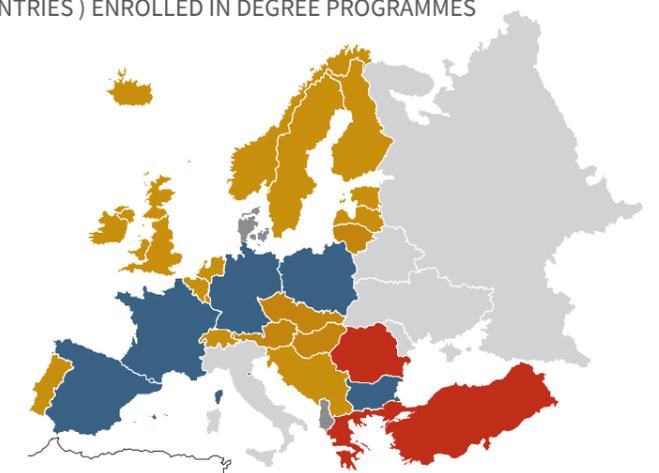
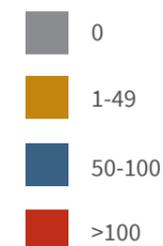
FROM EUROPE
(ERASMUS+ COUNTRIES)
TO BOLOGNA

2,366



EUROPEAN STUDENTS (ERASMUS + COUNTRIES) ENROLLED IN DEGREE PROGRAMMES

1,832



UNA EUROPA

As of April 2018, the University of Bologna, together with seven other prestigious European universities – Freie Universität Berlin (Germany), University of Edinburgh (Scotland), Helsingin Yliopisto (Finland), Uniwersytet Jagielloński (Poland), KU Leuven (Belgium), Universidad Complutense de Madrid (Spain), Université Paris 1 Panthéon-Sorbonne (France) – has been part of the European university alliance known as Una Europa. This alliance has opened up a shared, multilingual and multidisciplinary academic space and its goal is to create a European University.

The European Commission has funded two projects submitted by Una Europa in relation to the initiatives of European alliances. The **1Europe** project is implementing innovative teaching, joint training and public engagement initiatives, focusing on the four themes (European Studies, Sustainability, Cultural Heritage, Data Science/Artificial Intelligence), on encouraging the mobility of students, teachers and technical-administrative staff between the universities of the Alliance, and on the creation of a European university.

The **Una.Resin** project seeks to develop joint strategies for research and innovation, the sharing of infrastructure and resources, and strengthening human capital. The pilot initiatives will make it possible to test innovative models of transnational and interdisciplinary collaboration, thereby contributing to the construction of a common research and innovation ecosystem that is open and inclusive.

WORLD

 STUDENTS ENROLLED IN DEGREE PROGRAMMES **4,331**

Collaboration with universities in different parts of the world is a primary objective to be pursued with an awareness of the need for mutual cooperation adapted to the local context.

The University has started implementing actions to maximise the benefits of the network of international agreements developed over recent years. Between 2017 and 2020, a specific internal funding programme made possible the development of 50 innovative internationalisation projects managed by the departments with universities all over the world. Each year there is a call for applications for over 300 international exchange places at over 90 universities in 27 countries all over the world, with established destinations such as the United States and Australia supplemented by the addition of new, dynamic destinations such as Singapore, or countries experiencing rapid change such as Sub-Saharan Africa and South East Asia.

As part of the Erasmus Plus KA107 ICM programme, the University collaborates with over 40 universities in 20 countries (Africa, the Middle East, the Balkans, South-East Asia and Latin America). The mobility schemes put in place are for PhD and other students, teachers and technical-administrative staff.

The University has 6,156 international students enrolled on its degree programmes, a trend that has continued to grow since 2015 with a significant number of students coming from outside of the European Union. In order to encourage this process, foreign students can take the Test Online del Cisia (TOLC) in their own country for enrolment on the first cycle (undergraduate degree) courses.

The University of Bologna is an active member of the IAU, founded in 1950 under the auspices of UNESCO and one of the most important global networks of universities with over 130 countries represented. In 2016, the IAU launched the ISAS (2.0), a tool aimed at helping universities to develop and review their internationalisation policies, strategies and programmes. In 2019, the University joined the ISAS (2.0) initiative, as it was seen as valuable in terms of “comprehensive internationalisation”, in other words, as an institution able to pursue internationalisation policies for the entire university community and for all subject disciplines.

STUDENTS MOBILITY

 FROM BOLOGNA TO THE WORLD **344**

 FROM THE WORLD TO BOLOGNA **685**

NORTH AMERICA

Agreements	45
Students' mobility:	
incoming	304
outgoing	84
Dual, multiple or joint Degree programmes	4
Students enrolled on degree programmes at the University of Bologna	71

SOUTH & CENTRAL AMERICA

Agreements	93
Students' mobility:	
incoming	160
outgoing	124
Dual, multiple or joint Degree programmes	3
Students enrolled on degree programmes at the University of Bologna	358

AFRICA & MIDDLE EAST

Agreements	42
Students' mobility:	
incoming	27
outgoing	18
Dual, multiple or joint Degree programmes	1
Students enrolled on degree programmes at the University of Bologna	1,263

BALKANS, NEAR EAST, RUSSIAN FEDERATION

Agreements	46
Students' mobility:	
incoming	56
outgoing	32
Dual, multiple or joint Degree programmes	1
Students enrolled on degree programmes at the University of Bologna	1,113

ASIA

Agreements	88
Students' mobility:	
incoming	92
outgoing	44
Dual, multiple or joint Degree programmes	5
Students enrolled on degree programmes at the University of Bologna	1,499

OCEANIA

Agreements	24
Students' mobility:	
incoming	46
outgoing	42
Dual, multiple or joint Degree programmes	0
Students enrolled on degree programmes at the University of Bologna	7

DIGITAL TRANSFORMATION



SYSTEMS, INFRASTRUCTURE AND DIGITAL TRANSFORMATION

With its multi-campus structure, the University of Bologna has more than 150 locations that are interconnected and linked to the Internet by over 600 km of optical fibre. More than 1,300 WiFi access points are available; 180,000 institutional mailboxes process about 177 million e-mails every year.

The two server farms offer 550 virtual servers and 600 terabyte to support academic services.

EXAM DIGITAL TRANSCRIPTS	466,240	DIGITALLY REGISTERED DOCUMENTS	396,524
DIGITALLY MANAGED REGISTERS	7,522	ONLINE TEACHING ASSESSMENT QUESTIONNAIRES	304,15
ENTRANCE EXAM ENROLMENTS SUBMITTED ONLINE	69,954	DIGITALLY MANAGED CONTRACTS FOR TEACHING AND TUTORING	4,980
ONLINE MATRICULATIONS	33,099	CONTRATTI PER MEDICI IN FORMAZIONE SPECIALISTICA GESTITI DIGITALMENTE	406
DEGREE APPLICATIONS SUBMITTED ONLINE	19,790	DIGITALLY MANAGED LEARNING AGREEMENT	5,430
ONLINE CERTIFICATES WITH DIGITAL ENDORSEMENT	219,79	INTERSHIPS APPLICATIONS SUBMITTED ONLINE	37,204

THE COVID-19 EMERGENCY

Tools have been made available to support teaching and learning (with remote learning immediately available and a mixture of remote and physical attendance offered from September) and to enable exams and graduation sessions to be held remotely.

At the beginning of September, the existing IOL (Online Course units) were replaced by the new Virtuale platform, which was used in the initial months of the emergency. To guarantee secure access to the platform and to track attendance, an attendance booking system integrated with the lesson timetable has been set up, which allows teachers to indicate how the course will be delivered and lets students reserve a place to physically attend the lesson.

Virtuale is the heart of the University of Bologna's Virtual Learning Environment (VLE). Users can configure each course offered by the University and attend virtual lectures (synchronous learning). It also incorporates the Panopto video platform to enable professional lesson recordings (asynchronous learning).

The platform will soon also offer a Virtual Microscopy system, which can be used both in medicine and engineering. In order to manage written exams taken remotely, the EOL – Online Exams platform has been set up and integrated with the pre-existing exam management system (AlmaEsami). The management of degree programmes delivered remotely has been promptly integrated with Studenti Online.

Furthermore, in order to allow Technical-Administrative staff to work remotely, a virtual desktop platform has been created for staff to access University resources: this has allowed more than 1,800 staff members to perform from home the same work that they would perform if present in the office.

To this end, a further two applications have been made available with a view to creating a paperless approval process, thereby substantially reducing the quantity of hard-copy documents necessary: the Virtual Paperwork platform for documents that require a digital signature and the Online Forms platform for application forms for internal use that can be completed electronically.

CLASSROOMS SET UP FOR MIXED TEACHING METHODS:	805	EXAMS TAKEN REMOTELY	
Bologna	529	TOLC@CASA TEST TO ACCESS THREE-YEAR DEGREE PROGRAMMES:	
Campus della Romagna	276	Candidates	29.948
LEARNING ACTIVITIES AVAILABLE ONLINE (IOL)	4.452	Sessions	1.120
PROGRESS EXAMS TAKEN ONLINE Appelli	166.000	TO ACCESS TWO-YEAR MASTER'S DEGREE PROGRAMMES:	
	6.562	Candidates	2.138
THESES DISCUSSED ONLINE	10.849	Exams	19
PARTICIPANTS IN ALMAORIENTA - VIRTUAL FAIR ONLINE	33.000	CONTRACTS FOR DOCTORS UNDERGOING SPECIALISED TRAINING MANAGED DIGITALLY:	
of which international	2.000	Candidates	1.381
		Exams	12

WEB AND SOCIAL MEDIA

As a member of the Public Administration, the presence of the University on the web has always been among the most significant at national level. The University continues to expand its web visibility, providing students and staff with Internet and Intranet tools for the creation of content and access to new services. Alma Mater is also strengthening the institutional communications on social media, with a view to reaching students, staff and citizens in a more effective manner. A MOOCs platform is active, achieving over 14,000 registrations.

The Apps were developed with students involvement had 180,000 downloads: over 100,000 of which for myUnibo App, which focuses on students' careers, about 70,000 downloads for myAlmaOrienta, the App providing entry guidance to potential students and about 11,00 downloads for the job placement App.

SUSTAINABILITY



UNIBO SOSTENIBILE (Sustainable Unibo)

The University of Bologna invests in sustainable development and takes concrete steps to promote, plan and implement actions and projects designed to harmonise the relationship between space, the environment and people.

The University, with a view to reducing its environmental impact and improving the quality of life at the University, promotes measures to upgrade and enhance the territory, ensures the protection and renewal of natural resources and promotes improvement in social well-being and more responsible lifestyles, pursuing at the same time the goals of economic sustainability and social equality for all its users, while endeavouring also to meet the needs of the community in a context that respects and welcomes diversity and values the social and cultural identity of individuals and communities.

Sustainability principles are therefore encouraged and disseminated through governance, teaching and research activities, as well as through administrative, building and logistics support, the aim being that they will guide the actions and behaviour of the entire university community, including students,

teachers and technical-administrative staff. It is vital that community stakeholders are consulted and involved in order to ensure that these actions are implemented on a multicampus basis.

It is in this context that the need to introduce a new circular economic model that supplants the traditional linear model of produce-consume-recycle has emerged, and to explore instead the possibility of reusing, recycling and recovering the various resources available.

The Sustainable Multicampus project was thus developed, seeking to implement a programme of construction and environmental protection activities within a sustainable community model.

Building on its international experience, the University set up two Green Offices, known by the acronym GOAL (Green Office ALma Mater), in Bologna and in Romagna. The GOAL activities performed mainly by students are coordinated by the Area Edilizia e Sostenibilità (Construction and Sustainability Division) to ensure they are compatible and in line with University policies.

THE FOUR AREAS ADDRESSED ARE:

ENERGY: clear reduction in the environmental footprint of the University.

1,312 MWH of energy from photovoltaic systems

MOBILITY: guiding the University community towards the use of suitable forms of transport.

>10,000 subscriptions for public transports (1/9/2019 -31/8/2020)

ENVIRONMENT: promoting natural resources and green spaces, partly by targeted construction work in areas surrounding the University.

90,000 spared plastic bottles (since the start of the project)

PEOPLE: to improve the quality of life encouraging the adoption of more responsible lifestyles.

>1,200 participants in "Il nastro verde 2020"

ACTIONS

- REDUCTION OF CONSUMPTION THROUGH INCREASING ENERGY EFFICIENCY IN OLD AND NEW UNIVERSITY BUILDINGS

- INCREASING THE USE OF RENEWABLES TO PRODUCE ENERGY FOR USE IN UNIVERSITY BUILDINGS

- MOBILITY SOLUTIONS AND INCENTIVES TO USE SUSTAINABLE TRANSPORT AIMED AT STUDENTS AND STAFF

- ELECTRICAL CONVERSION OF COMPANY VEHICLES

- CARE FOR THE BUILT-UP ENVIRONMENT UPGRADING AND NEW DESIGN OF PARK AREAS

- ENVIRONMENTAL PROTECTION AND IMPROVEMENT AT UNIVERSITY SITES

- SOCIAL RESPONSIBILITY ACTIONS FOR HUMAN WELLBEING

- PROMOTION OF HEALTHY LIFESTYLES AND SPORTING ACTIVITIES

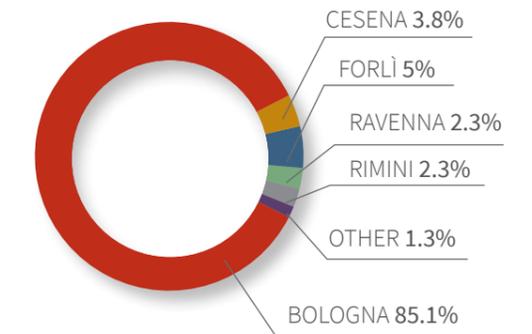
CONSTRUCTION AND FINANCIAL REPORTING



CONSTRUCTION: THE MULTI-CAMPUS MODEL

The University model adopted by Alma Mater is unique at both national and international level. The University comprises 13 districts in the Municipality and Province of Bologna (Poggi, Zamboni, S. Giacomo, South East, North West, Filippo Re, Sant'Orsola, Risorgimento, Terracini, Navile, Fanin, Ozzano dell'Emilia and Imola) and 4 campuses in the Romagna area: Forlì, Cesena, Rimini and Ravenna. The University, which covers a surface area of 1,162,506.81 square metres, has a development and consolidation plan that continues to be implemented on the various sites.

GEOGRAPHICAL DISTRIBUTION OF BUILDINGS



THE MOST IMPORTANT WORKS IN FIGURES

WORKS IN PROGRESS	USE	TOTAL (MLN EUR)	(M ²)
Navile district complex	Departments of: Chemistry "Giacomo Ciamician" Industrial Chemistry "Toso Montanari", Pharmacy and Biotechnologies, Physics and Astronomy (in partnership with the National Astrophysics Institute), Astronomical Observatory	133.3	74,000
The Biomedical tower	Buildings for biomedical research and education in the area of S.Orsola-Malpighi University Hospital	25	10,600
Students' residences and university buildings in the "former Lazzaretto Bertalia" area, Bologna	Department of Industrial Engineering, 2 students' residences (380 accommodation units), 1 services building (classrooms, laboratories and students' area)	44.6	25,000
Upgrading of the Sauli and Saffi areas, Forlì	Department of Interpreting and Translation; Department of Management	9.7	5,200
New campus in the former "Zuccherificio", Cesena	Department of Psychology, Services for students, Administration	16.9	11,100
New laboratories and library, Ravenna	Laboratories, classrooms, services for students	3.4	1,050

THE SOCIAL RESPONSIBILITY REPORT

Improved every year in response to the feedback from our counterparts, it fuels constant thought, assessment and debate both within and outside our academic walls, with a particular emphasis on the multi-campus dimension.

The 2019 Social Responsibility Report comprises four sections:

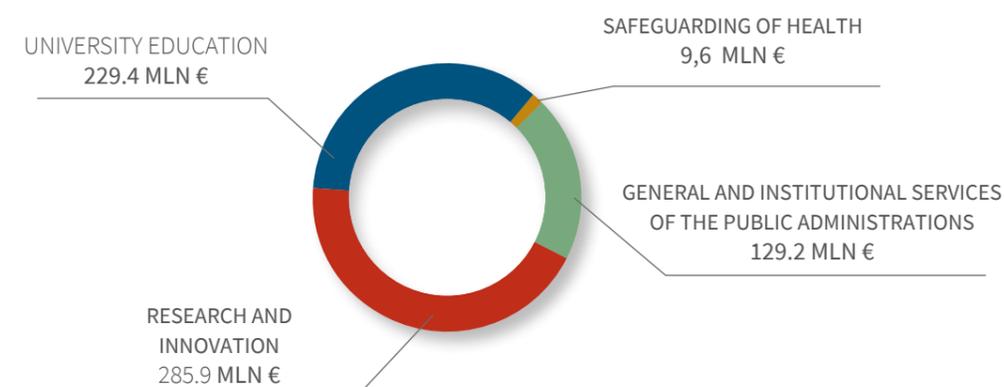
- Identity, strategies and organisational structure,
- Reclassification of accounting and net worth data,
- Activities and Results,
- procurement policies and environmental impact.

FINANCIAL STATEMENT

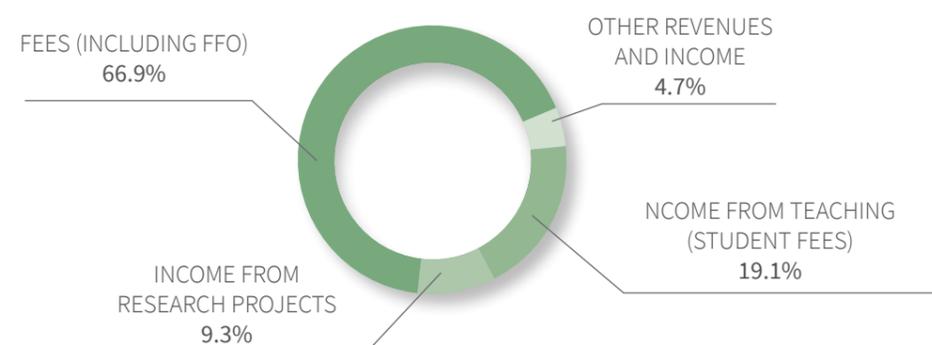
STATEMENT OF ASSETS AND LIABILITIES AS AT 31.12.2018
(MLN €)

TOTAL ASSETS of which	1,212,5
INVESTMENTS	
TANGIBLE FIXED ASSETS, of which	429,5
LAND AND BUILDINGS	317,3
FIXED ASSETS UNDER CONSTRUCTION AND PAYMENTS ON ACCOUNT	62,3
INTANGIBLE FIXED ASSETS, of which	39,9
FIXED ASSETS UNDER CONSTRUCTION AND PAYMENTS ON ACCOUNT	7,7
EXTRAORDINARY MAINTENANCE ON THIRD-PARTY ASSETS	32,0

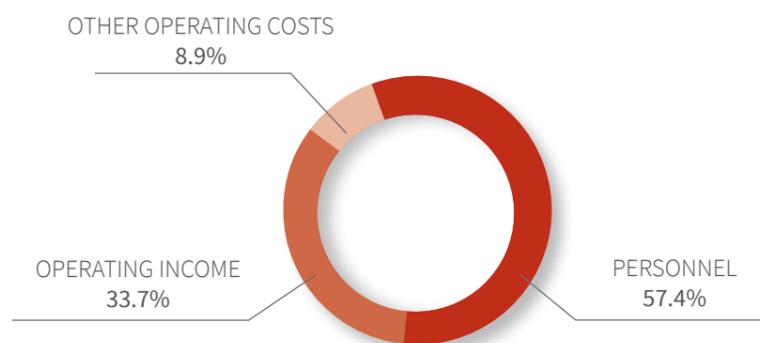
2019 UNIVERSITY COSTS RECLASSIFIED INTO MISSIONS
TOTAL 654.1 MLN €



INCOME ANALYSIS 2018 (PROFIT AND LOSS)
OPERATING INCOME: TOTAL €655.6 MLN



COST ANALYSIS 2018 (PROFIT AND LOSS)
OPERATING COSTS: TOTAL €627.4 MLN



INCIDENCE OF PAYROLL COSTS

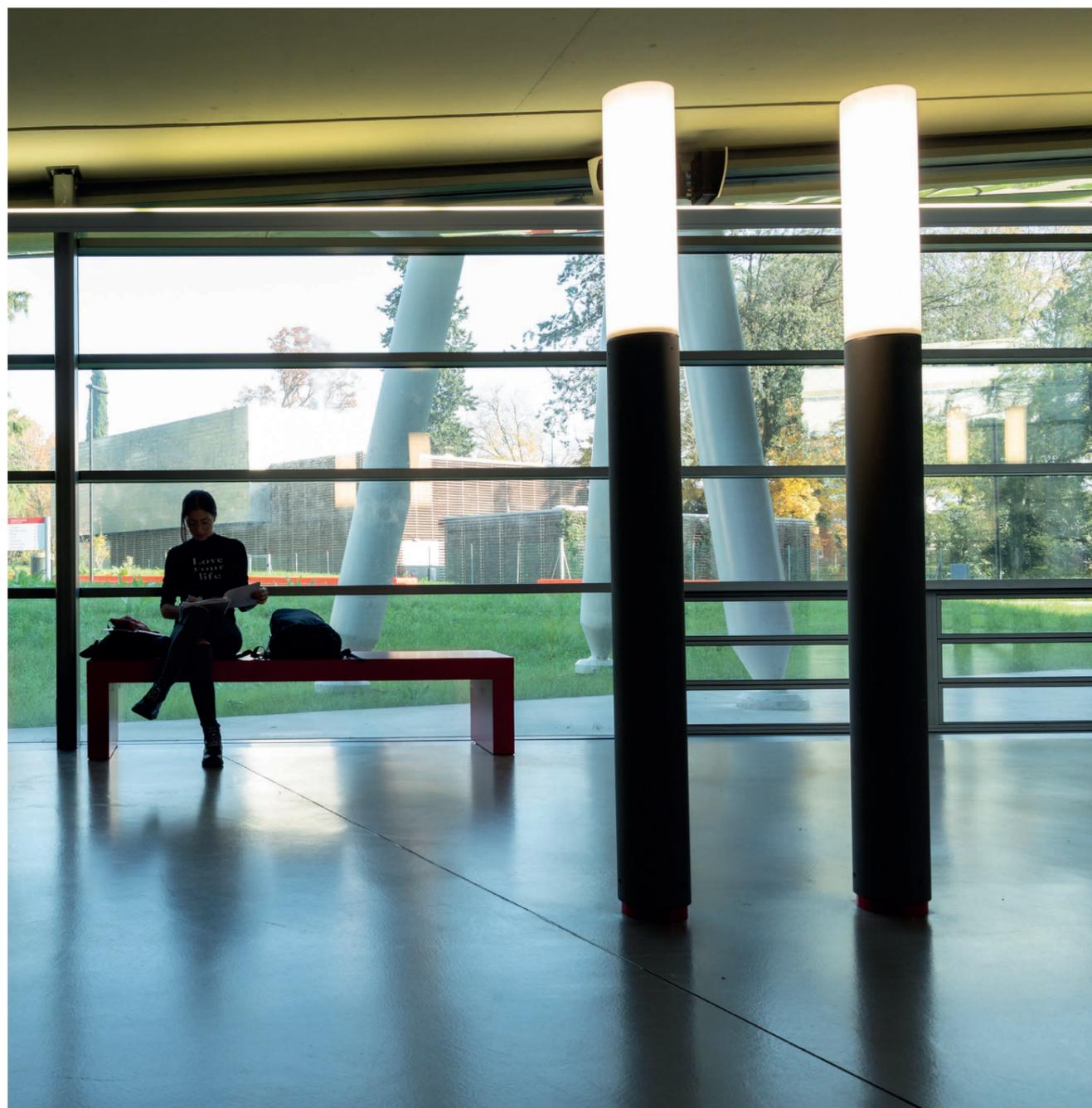
YEAR	BOLOGNA	MEGA UNIVERSITIES
2017	64.2%	68.1%
2018	63.6%	68.3%
2019	60.39%	69.37%

The positive indicator of financial sustainability (isef= 1.2 which is good, in that it exceeds the legal requirement of 1) together with the incidence of payroll costs (less than the legal limit of 80%) position the University among the leaders in the assignment of 2020 resources for the recruitment of personnel and career advancement.

FUND FOR ORDINARY FINANCING (FOF) OF UNIVERSITIES (MLN EUR): 2015-2019 TREND AND % OF TOTAL

YEAR	INCIDENCE FOF BOLOGNA (MLN €)	INCIDENCE FOF BOLOGNA /FFO ITALIA %
2015	393.2	5.8
2016	388.3	5.7
2017	391.2	5.7
2018	412.7	5.7
2019	413.4	5.7

The efficient administration of financial resources, the optimisation of the organisation and management models, and the strategic vision of the Academic Bodies have ensured the quality and continuity of the institutional functions of the University in an overall situation where resources are lower: research, teaching, student services and internationalisation.



The University publishes all useful information regarding its structure, strategy, planning and reporting

Strategic plan 2019-2021 | unibo.it/en/university/who-we-are/strategic-plan

Bilancio sociale | unibo.it/bilanciosociale

Gender Report | unibo.it/en/university/who-we-are/gender-budgeting/gender-equality-annual-report-2018

U.N. Sustainable Development Report | unibo.it/SDGs

Alma2021 | alma2021.unibo.it

Data updated to 30/08/2020

Project © Alma Mater Studiorum – Università di Bologna

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Settore Comunicazione - Ufficio Comunicazione Istituzionale

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