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.

13th CENTURY
1088

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.

16th-18th CENTURY
14th-15th 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.

19th CENTURY

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 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

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.

1999

1999 BOLOGNA PROCESS
Signature of the Bologna Declaration creating the European Higher Education Area (Bologna Process).

1999

20th ANNIVERSARY OF THE BOLOGNA PROCESS
The event was attended by 100 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

1988

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

1988

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.

14th-15th CENTURY

12th 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

1988

1999

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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.

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2019

12th CENTURY

1088

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

1088

NINE CENTURIES OF HISTORY
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

**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
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 to reorientate the University’s vision and to redefine their mission in response to current challenges.

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.
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.

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.

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.

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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

ITALIAN STUDENTS

77,111

INTERNATIONAL STUDENTS

6,156

STUDENTS ENROLLED IN DEGREE PROGRAMMES BY GENDER

55.6% WOMEN

44.4% MEN

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

CESENA

6,587

FORLÌ

6,587

RAVENNA

3,522

RIMINI

4,988

ENROLMENTS BY DEGREE PROGRAMMES

FIRST CYCLE

47,131 (56.6%)

SECOND CYCLE

20,801 (25%)

PREVIOUS SYSTEM

895 (1.1%)

SINGLE CYCLE

14,440 (17.3%)
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

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.
- 2,390 study grants for part time collaborations within university services.
- 1,852 ER-GO accommodation places
- 717 of which 273 international
- 1,680
- 295
- 1,631
- 720,000 € for scholarships for students in underprivileged situations (40,000 € from ER-GO).
- 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).
- 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

- 1,202 ASSOCIATE PROFESSORS
- 911 ASSISTANT PROFESSORS
- 729 FULL PROFESSORS

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

- 2,852 STAFF CATEGORIES B, C, D, EP
- 69 LANGUAGE ASSISTANTS
- 15 HEADS OF ADMINISTRATIVE DIVISIONS

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

<table>
<thead>
<tr>
<th></th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,706</td>
<td>1,136</td>
</tr>
<tr>
<td>(% of total)</td>
<td>60%</td>
<td>40%</td>
</tr>
</tbody>
</table>

### Technical-Administrative Staff

<table>
<thead>
<tr>
<th></th>
<th>Men</th>
<th>Women</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>985</td>
<td>1,951</td>
</tr>
<tr>
<td>(% of total)</td>
<td>33.5%</td>
<td>66.5%</td>
</tr>
</tbody>
</table>

### Gender Equality Report

- **Teaching Staff**
  - Full Professors: 533 (73.1%) Women: 196 (26.9%)
  - Associate Professors: 682 (56.7%) Women: 520 (43.3%)
  - Assistant Professors: 491 (53.9%) Women: 420 (46.1%)
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.

**PROGRAMME CATALOGUE A.Y. 2020/2021 BY CAMPUS**

<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>FIRST CYCLE DEGREE PROGRAMMES</th>
<th>SECOND CYCLE DEGREE PROGRAMMES</th>
<th>SINGLE CYCLE DEGREE PROGRAMMES</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOLOGNA</td>
<td>64</td>
<td>88</td>
<td>8</td>
<td>160</td>
</tr>
<tr>
<td>CESENA</td>
<td>7</td>
<td>8</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>FORLÌ</td>
<td>6</td>
<td>12</td>
<td>1</td>
<td>19</td>
</tr>
<tr>
<td>RAVENNA</td>
<td>8</td>
<td>8</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>RIMINI</td>
<td>8</td>
<td>9</td>
<td>1</td>
<td>18</td>
</tr>
<tr>
<td>TOTAL</td>
<td>93</td>
<td>125</td>
<td>14</td>
<td>232</td>
</tr>
</tbody>
</table>
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 MATEMATICA

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 inclusive 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 fulfillment 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 academic year, 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 study staff 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 2010 there were 21,626 curricular internships.

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 of the Strategic Project Development Department (PSSD). The overall budget for the aforementioned cycle amounts to more than 38 million euros. There is 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 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 overarching 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.

THIRD CYCLE AND VOCATIONAL

PHD

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.
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.

- Inclusive Growth and Fight against Poverty
- Migration and Integration
- Gender Equality
- Cultural Heritage
- European Identity and Cohesion
- Accessible Education
- Crime Prevention, Fight against Terrorism
- Cyber Prevention and Management
- Digital Security
- Scientific and Technological Competitiveness
- Involvement of Citizens
- Employment and Social Policies
- Economic Transition and Reforms
- Artificial Intelligence, Big Data, 5G, Internet of the Future, Cloud Computing
- Safety and Accessibility
- Intelligent Systems and Sensors
- Robotics, Photonics
- Virtual Reality and Augmented Reality
- Space Observation and Satellite Navigation
- Nanotechnologies and Nanomaterials, Advanced Materials
- Smart Production Processes, Industry 4.0
- Sustainability
- Climate Change
- Resources, Environment, Energy
- CO2 Reduction, Decarbonisation
- Smart Cities, Intelligent Transport
- Economic Growth
- Sustainable Agriculture
- Circular Economy
- Biodiversity
- Production and Food Safety, Nutrition, Health
- Responsible Consumption

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

HORIZON 2020 to date
The University ranks second in Italy in terms of attracting European funding, and with regard to the Social Challenges programme, it ranks first in Italy and sixteenth in Europe, with excellent results in relation to the topics of Agri-food, Climate and Innovative and inclusive societies.
> 306 projects funded: 81 coordinated with 17 European Research Council (ERC) Principal Investigators, who decided to carry out their cutting-edge research at the University.
> 2,600 partners involved, of which 1,250 from the private sector.

INTERREG, LIFE, Creative Europe to date
The University currently ranks first in the Italy - Croatia Interreg programme in terms of funded projects on the topics of Innovation, Security and Climate change, and Natural and Cultural resources.
> 36 projects funded.

Joint initiatives (JPI, ERANET, PRIMA, ECSEL)
In the last year, funding has been received for 14 research and innovation projects addressing common challenges faced by European and non-European countries.

>128,6 min €
>9,8 min €
>1,65 min €

PRIN 2017
Unibo is the top Italian university in terms of the number of projects approved for which it is the National Coordinator and second in terms of the contribution for “A” and “B” lines of funding.
> 130 Projects funded, of which 40 as national coordinator.

>20 min €
>2,1 min €

NATIONAL OPERATIONAL PROGRAMME (PON) FOR INNOVATION RESEARCH to date
> 113 Projects funded.

DEPARTMENTS OF EXCELLENCE
Since January 2018, 14 Departments have been involved in the initiative funded by the Ministry of Education and Research (MIUR) to the tune of 113 million euros, with a further investment envisaged by the Structures involved of 54 million euros, which so far have been invested as follows:
• > 8 million euros in highly-qualified teaching activities;
• > 13 million euros in infrastructure;
• > 67 million euros in staff recruitment;
This investment in excellence has resulted in:
• > the award of over 60 research grants and 100 PhD scholarships;
• > the recruitment of over 100 academic (professors and researchers) and technical-administrative staff members;
• an investment of almost 5 million euros in infrastructure;
• an investment of more than 8 million euros to purchase research and library equipment.

OTHER NATIONAL PROGRAMMES: FARE (Framework for attracting and strengthening excellence), MIPAF (Ministry of Agricultural and Forestry Policies), Strengthening of research infrastructure and FISR (Special supplementary fund for research) 2019-2020
5 projects funded with a research contribution of 1.2 million euros between 2019 and 2020 resulting from the FARE, MIPAF and MUR (Ministry of Universities and Research) “Strengthening research infrastructure” calls for proposals

>33 min €

>1,2 min €

ERDF REGIONAL OPERATIONAL PROGRAMME 2014-2020 AND OTHER REGIONAL PROGRAMMES (RURAL DEVELOPMENT, ADVANCED SKILLS, ETC.)
> 214 projects funded
Over 76 research grants and 50 PhD scholarships awarded

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.

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.

1,232 RESEARCH FELLOWS
(up to 31/07/2020)
of which 118 international, from:

European Region
Europe
Asia
Africa
North America
Central and South America
Oceania

Distribution of University Papers in Scopus

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

TOP 10% BRACKET
TOP 50-80% BRACKET
TOP 80-100% BRACKET
TOP 30-50% BRACKET
TOP 10-30% BRACKET
TOP 0-10% BRACKET

6,351
1,432
1,793
4,729
280
1,232
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.

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, students 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.

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.

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 startups (students with entrepreneurial ideas) and players (students who make their skills available to one or more startups) 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.

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 Voldese and other partners. The goal is to increase opportunities for refugees currently resident in Ethiopia to continue their higher education in Italy.
THIRD MISSION

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.

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 Classico”) 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, restauration 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.
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.

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.

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INTERNATIONALISATION

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), Helsinki Yliopisto (Finland), Universitet Jagiellorski (Poland), KU Leuven (Belgium), Universidade 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

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

Collaboration and exchange are key priorities, and the University continues to build and strengthen partnerships and collaborations. This is reflected in agreements and mobility figures.

FROM BOLOGNA TO THE WORLD

<table>
<thead>
<tr>
<th>Region</th>
<th>Agreements</th>
<th>Students’ mobility:</th>
<th>Dual, multiple or joint Degree programmes</th>
<th>Students enrolled on degree programmes at the University of Bologna</th>
</tr>
</thead>
<tbody>
<tr>
<td>NORTH AMERICA</td>
<td>45</td>
<td>incoming 304</td>
<td>4</td>
<td>71</td>
</tr>
<tr>
<td>SOUTH &amp; CENTRAL AMERICA</td>
<td>93</td>
<td>incoming 160</td>
<td>3</td>
<td>358</td>
</tr>
<tr>
<td>AFRICA &amp; MIDDLE EAST</td>
<td>42</td>
<td>incoming 27</td>
<td>1</td>
<td>1,263</td>
</tr>
<tr>
<td>ASIA</td>
<td>88</td>
<td>incoming 92</td>
<td>5</td>
<td>1,113</td>
</tr>
<tr>
<td>OCEANIA</td>
<td>24</td>
<td>incoming 46</td>
<td>0</td>
<td>7</td>
</tr>
</tbody>
</table>

FROM THE WORLD TO BOLOGNA

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</tr>
</thead>
<tbody>
<tr>
<td>BALKANS, NEAR EAST, RUSSIAN FEDERATION</td>
<td>46</td>
<td>incoming 56</td>
<td>1</td>
<td>1,499</td>
</tr>
</tbody>
</table>

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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 11,0 downloads for the job placement App.

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 MANAGED REGISTERS 7,522
ENRY EXAM ENROLMENTS SUBMITTED ONLINE 69,954
ONLINE MATRICULATIONS 33,099
DEGREE APPLICATIONS SUBMITTED ONLINE 19,790
ONLINE CERTIFICATES WITH DIGITAL ENDORSEMENT 219,79

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:
Bologna 805
Campus della Romagna 529
LEARNING ACTIVITIES AVAILABLE ONLINE (IOL) 4,452
PROGRESS EXAMS TAKEN ONLINE 166,000
THESIS DISCUSSED ONLINE 10,849
PARTICIPANTS IN ALMAORIENTA – VIRTUAL FAIR ONLINE 33,000

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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"

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ACIONS

- 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 protection and improvement at university sites
- Promotion of healthy lifestyles and sporting activities
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.

CONSTRUCTION AND FINANCIAL REPORTING

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.

THE MOST IMPORTANT WORKS IN FIGURES

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>DESCRIPTION</th>
<th>USE</th>
<th>TOTAL (MLN EUR)</th>
<th>(M²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navile district complex</td>
<td>Departments of: Chemistry &quot;Giacomo Ciamician&quot; Industrial Chemistry &quot;Toso Montanari&quot;, Pharmacy and Biotechnologies, Physics and Astronomy (in partnership with the National Astrophysics Institute), Astronomical Observatory</td>
<td></td>
<td>133.3</td>
<td>74,000</td>
</tr>
<tr>
<td>The Biomedical tower</td>
<td>Buildings for biomedical research and education in the area of S. Orsola Malpighi University Hospital</td>
<td></td>
<td>25</td>
<td>10,600</td>
</tr>
<tr>
<td>Students’ residences and university buildings in the “former Lazzaretto Bertaila” area, Bologna</td>
<td>Department of Industrial Engineering, 2 students’ residences (380 accommodation units), 1 services building (classrooms, laboratories and students’ area)</td>
<td></td>
<td>44.6</td>
<td>25,000</td>
</tr>
<tr>
<td>Upgrading of the Sauli and Saffi areas, Forlì</td>
<td>Department of Interpreting and Translation; Department of Management</td>
<td></td>
<td>9.7</td>
<td>5,200</td>
</tr>
<tr>
<td>New campus in the former “Zuccherificio”, Cesena</td>
<td>Department of Psychology, Services for students, Administration</td>
<td></td>
<td>16.9</td>
<td>11,100</td>
</tr>
<tr>
<td>New laboratories and library, Ravenna</td>
<td>Laboratories, classrooms, services for students</td>
<td></td>
<td>3.4</td>
<td>1,050</td>
</tr>
</tbody>
</table>

GEOGRAPHICAL DISTRIBUTION OF BUILDINGS

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bologna</td>
<td>85.1%</td>
</tr>
<tr>
<td>Forlì</td>
<td>5%</td>
</tr>
<tr>
<td>Cesena</td>
<td>3.8%</td>
</tr>
<tr>
<td>Rimini</td>
<td>2.3%</td>
</tr>
<tr>
<td>Ravenna</td>
<td>2.3%</td>
</tr>
<tr>
<td>Other</td>
<td>1.3%</td>
</tr>
</tbody>
</table>

FORLÌ | 5%

RIMINI | 2.3%

RAVENNA | 2.3%

CESENA | 3.8%

BOLOGNA | 85.1%

OTHER | 1.3%
CONSTRUCTION AND FINANCIAL REPORTING

FINANCIAL STATEMENT

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

TOTAL ASSETS
of which
INVESTMENTS
TANGIBLE FIXED ASSETS, of which
LAND AND BUILDINGS
FIXED ASSETS UNDER CONSTRUCTION AND PAYMENTS ON ACCOUNT
INTANGIBLE FIXED ASSETS, of which
FIXED ASSETS UNDER CONSTRUCTION AND PAYMENTS ON ACCOUNT
EXTRAORDINARY MAINTENANCE ON THIRD-PARTY ASSETS

INCOME ANALYSIS 2018 (PROFIT AND LOSS)

OPERATING INCOME: TOTAL €655.6 MLN

OPERATING COSTS: TOTAL €627.4 MLN

COST ANALYSIS 2018 (PROFIT AND LOSS)

PERSONNEL 57.4%
OPERATING INCOME 33.7%
OTHER OPERATING COSTS 8.9%

INCOME FROM TEACHING (STUDENT FEES) 19.1%
RESEARCH AND INNOVATION 9.3%
Fees (including FFO) 66.9%

OTHER REVENUES AND INCOME 4.7%
INCOME FROM RESEARCH PROJECTS 9.3%

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

YEAR
2015
2016
2017
2018
2019

INCIDENCE OF PAYROLL COSTS

YEAR
2017
2018
2019

BOLOGNA
64.2%
63.6%
60.39%

Mega Universities
68.1%
68.3%
69.37%

The positive indicator of financial sustainability (soft: 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.

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.

2019 UNIVERSITY COSTS RECLASSIFIED INTO MISSIONS

TOTAL €541.1 MLN €

SAFEGUARDING OF HEALTH
9,6 MLN €
GENERAL AND INSTITUTIONAL SERVICES
OF THE PUBLIC ADMINISTRATIONS
129,2 MLN €
RESEARCH AND INNOVATION
285,9 MLN €
UNIVERSITY EDUCATION
229,4 MLN €
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
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
Thanks to all the General Administration divisions that contributed to the drafting of this document

Design
Alma Mater Studiorum - Università di Bologna | Area Rapporti Imprese, Terza Missione e Comunicazione
Settore Comunicazione - Ufficio Comunicazione Istituzionale

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