REPORT ON U.N. SUSTAINABLE DEVELOPMENT GOALS
This document was created in order to redirect the readers to AlmaGOALS website for more information and further details. The title of the boxes, title of sections, banners, icons of the SDGs and underlined texts are clickable and address to specific pages and projects in our website. The following QR Code refers to AlmaGOALS homepage. Please, interact with the report and discover our actions towards SDGs.
INTRODUCTION

The University of Bologna is committed to the values of sustainability and is fully aware that its activities can produce significant impact. Therefore, in order to take up the challenges that the contemporary world imposes and to guide all institutional actions towards the pursuit of sustainable development, the University has integrated the 17 Goals in its mission and strategy, from the Strategic Plan to the many activities of the University.

Since 2016, to systematically monitor the progress towards SDGs, the University has developed the Report on U.N. Sustainable Development Goals. This public document provides a reading of our contribution in favor of the 17 SDGs.

AlmaGoals website shows all the contributions and the commitment of the University of Bologna to the advancement of the United Nations 2030 Agenda, by presenting the information described in this report. Each of the 17 Sustainable Development Goals is reported on in relation to the four university dimensions of activities carried out at the University of Bologna (teaching, research, third mission and institution) using a set of metrics specially formulated to match and integrate with the institutional documents adopted by the University of Bologna.

The Sustainable Development Goals are for all and everyone must take his part. The involvement, collaboration and cooperation of everyone is essential for the formation of a solid base, where it is possible to build a different present and a sustainable future. We must work collectively and we, as institution, give the opportunity to create the network that face the global challenges. Together we can.

Francesco Ubertini
Rector
Alma Mater Studiorum - Università di Bologna

THE IMPACT RANKING: 9th

The effort towards the SDGs of the Alma Mater Studiorum have been certified by Times Higher Education Impact Ranking of the 2018.

The University of Bologna is ranked as 9th in the World, among more than 500 universities. This ranking is the only global performance table that assess universities in relation to the United Nations’ Sustainable Development Goals.

Furthermore, the University of Bologna is:
4th for SDG 4: Quality Education;
4th for SDG 5: Gender Equality;
6th for SDG 8: Decent Work and Economic Growth;
17th for SDG 11: Sustainable Cities and Communities;
21st for SDG 17: Partnerships for the Goals;
35th for SDG 3: Good Health and Well-being.
ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
KEY FACTS

1088
YEAR OF FOUNDATION

5
CAMPUSES:
BOLOGNA, CESENA, FORLÌ,
RAVENNA, RIMINI

32
DEPARTMENTS

86,866
TOTAL NUMBER OF STUDENTS
ENROLLED IN DEGREE PROGRAMMES
OF ALL LEVELS PHDS, MASTERS,
POST-GRADUATE TRAINING AND LIFELONG
LEARNING PROGRAMMES

27
LIBRARIES

14
MUSEUMS

STUDENTS BY CAMPUS

Bologna 67,294
Forlì 6,470
Cesena 4,666
Ravenna 3,523
Rimini 4,919

STUDENTS’ INTERNATIONAL MOBILITY

3,100
INCOMING

3,480
OUTGOING

3rd
PER-CAPITA RESEARCH PRODUCTIVITY IN
INTERNATIONAL BENCHMARK

6,412
INTERNATIONAL STUDENTS

219
DEGREE PROGRAMMES
(69 INTERNATIONAL)

> 26
RESEARCH PAPERS
PER DAY

> 9,500
RESEARCH PAPERS
PER YEAR

182
7PQ-H2020-LIFE-INTERREG
RESEARCH PROJECTS

PHD PROGRAMMES
MASTER PROGRAMMES
HIGHER EDUCATION
AND LIFELONG
LEARNING PROGRAMMES

75
34
47

FIRST CYCLE DEGREE PROGRAMMES
SECOND CYCLE DEGREE PROGRAMMES
SINGLE CYCLE DEGREE PROGRAMMES

7PQ-H2020-LIFE-INTERREG
RESEARCH PROJECTS

182
SDGS RELATED COURSE UNITS

Clinical and Health 159
Natural and Life Sciences 199
Technology and Engineering 338
Management and Social Sciences 261
Arts and Humanities 217

TOTAL 1,174

COURSE UNITS ACCORDING TO SUSTAINABLE DEVELOPMENT GOALS

182 FP7, H2020, LIFE, INTERREG RESEARCH PROJECTS ACCORDING TO SUSTAINABLE DEVELOPMENT GOALS

104 THIRD MISSION AND TEACHING PROJECTS ACCORDING TO SUSTAINABLE DEVELOPMENT GOALS
1. END POVERTY IN ALL ITS FORMS EVERYWHERE

The doors of the University of Bologna are open to refugee students thanks to Unibo4Refugees project. Students get the chance find out about the opportunities for study and financial aids and draw up an educational plan for rebuilding their future.
2. END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

The Progetto KM0 is coordinated by the Azienda Agraria of the University of Bologna with the scientific contribution of the Department of Agricultural and Food Sciences, in order to ensure the highest quality of the supply chain.

This initiative aims to promote a closer relationship between the city and the countryside, encouraging consumers to know and appreciate the typical agricultural products of the area, following the seasonal trend. This project lets consumers know about the place of origin, the cultivation technique and above all, the consumption of products in full ripeness.

In addition, the farm also cultivates minor species of fruit trees and there are numerous varieties, some of which can be considered real “ancient fruits”.

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3. ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

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**TEACHING**

- 342 COURSE UNITS
- 10 COLLABORATIONS, TEACHING, MOBILITY
- 22,624 STUDENTS WHO CHOSE THE COURSE UNITS
- 1 STUDENTS OF HEALTH DEGREES

**INSTITUTION**

- 279 TEACHING STAFF
- 129 TECHNICAL STAFF

**RESEARCH**

- 7,639 PUBLICATIONS IN SCOPUS 2013-2018
- 143,252 “CITED BY” IN SCOPUS
- 141 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK
- 82 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK

**CUSB**

Students have free access to sports facilities managed by the Bologna University Sports Center (CUSB). Local schools can also access to the facilities at no charge during the free events/projects dedicated to them. The local community can also benefit from the garden and the refreshment areas are free of charge.

Facilities, sports courses and services organized by CUSB are open to both students and employees of the University of Bologna as well as to the local community (citizens - sports clubs - associations) with discounts for CUSB-members.

**THIRD MISSION**

- 3 COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS

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3. GOOD HEALTH AND WELL-BEING

HEALTHCARE SERVICES

Podiatric clinic
The University of Bologna’s Outpatient Clinic for Podiatry provides the public with a complete range of services for the well-being and health of the foot. The Outpatient Clinic is equipped with four podiatry units for the prevention and treatment of diseases of podiatry competence.

Dental care
Students, teaching staff and technical-administrative staff (on duty and retired, including dependent children and spouses) can take advantage of the dental care service at the Dental Clinic of the Department of Biomedical and Neuromotor Sciences.

SEXUAL DISEASES

Students can have a free access to the “Sexually Transmitted Disease Center” of the University hospital. They are provided with specialist visits and treatment of sexually transmitted diseases and genital localization diseases, information, education, prevention and counselling (also psychological).

CROSS CULTURAL COUNSELLING

The Cross-Cultural Counselling Service was established to prevent particularly critical situations relating to adaptation, study, excessive demands and complaints, isolation, conflicts with other students and/or teachers, practical environmental problems, etc. through a cross-cultural perspective. The service is free of charge and offers: assessment and analysis of psycho-social-cultural needs; first assistance and/or orientation actions.

LOCAL COLLABORATION

Rizzoli Hospital
The Rizzoli Orthopaedic Institute comprises treatment and research with an high level of healthcare. It hosts the Cell and Musculoskeletal Tissue Bank, which is the regional referral center for the collection, conservation and distribution of cells and tissues. The Institute puts the patients to the centre of the activities, guaranteeing as far as possible a familiar setting.

Sant’Orsola-Malpighi Hospital
The Bologna University Hospital Authority St. Orsola Polyclinic develops and delivers integrative multi-specialist research, education and training. The Hospital promotes innovation and pursues the highest degree of both patient/customer care and the training of medical students.

Institute of Neurological Sciences
The University offer healthcare services which are part of the state run healthcare. The U.O.C. of Neurological Clinic of IRCCS Institute of Neurological Sciences of AUSL Bologna is a structure aimed at the diagnosis and treatment of neurological diseases of adults and children. It works in synergy and integration with the University Department of Biomedical and Neuromotor Sciences.

PSYCHOLOGICAL SUPPORT

For students: the service is aimed at young people with emotional and relational problems, affective and behavioural disorders, difficulties in university and/or working life.

For staff: the service is aimed at teaching and technical-administrative staff who wish to express in a space totally confidential psychological discomforts and/or relational and communicative problems in the workplace.

EXCELLENCE UNITS

Cardiac Surgery Unit
The Paediatric and Evolutionary Cardiac Surgery Unit is part of the Cardiothoracic Department and it is the only accredited centre in Emilia-Romagna for the surgical treatment of congenital heart disease. The activities consist in the treatment of all congenital heart diseases in patients of any age. This unit is the reference centre of the Emilia-Romagna Region for the surgical treatment of congenital heart disease.

Haematology Institute and DIMES
Haematology Institute Lorenzo e Ariosto Seràgnoli and the Department of Experimental, Diagnostic and Specialty Medicine – DIME, works together with national healthcare. The mission is the diagnosis of haematological and onco-haematological diseases, the assistance and treatment of patients, through multidisciplinary methods and with the development of innovative approaches the Dental Clinic of the Department.
4. ENSURE INCLUSIVE AND QUALITY EDUCATION FOR ALL AND PROMOTE LIFELONG LEARNING

UNIVERSITY QUALITY ASSURANCE

The University of Bologna has an Internal Quality Assurance System involving a self-assessment that allow the University to improve the quality of its study programmes. This process provides an adequate response to the expectations of all actors who have an interest in the offered training service: students, families, companies, institutions, etc.

The system envisages the periodic analysis of significant data (such as the number of graduates in the course, the opinions of the students and the employment status of the graduates) collected both by the University and by the National Agency for the Evaluation of the University and Research System (ANVUR).

TEACHING

375 COURSE UNITS
29 COLLABORATIONS, TEACHING, MOBILITY
29,474 ALL STUDENTS
1,174 ALL COURSE UNITS RELATED TO SDGs

PARAMETERS FOR QUALITY EDUCATION

STUDENT ATTRACTIVENESS

- Students enrolled in Second cycle degree programmes (from other universities): 47.4%
- Incoming exchange students: 3,100
- International students (UE and Extra-UE): 7.2%

SOCIAL INCLUSION

- Value of scholarships (merit and status based) Per Capita: 510 €
- Students followed by the Service for disabled: 654

PROGRAMMES OFFERED AND MAIN RESULTS

- Degree programmes: 219
- Degree programmes taught in English: 52
- Masters’ programmes and post-graduate/lifelong learning programmes: 109
- Courses with at least three quarters of students satisfied with the course: 76.7%
- Graduates: 18,380
- Graduates within regular enrollment: 67%
4. QUALITY EDUCATION

RESEARCH PRODUCTS 2018

<table>
<thead>
<tr>
<th>Category</th>
<th>No.</th>
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<tbody>
<tr>
<td>Articles</td>
<td>6,023</td>
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<tr>
<td>Chapters</td>
<td>1,676</td>
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<tr>
<td>Books</td>
<td>428</td>
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<tr>
<td>Proceedings</td>
<td>1,021</td>
</tr>
<tr>
<td>Translations</td>
<td>34</td>
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<tr>
<td>Patents/licences</td>
<td>181</td>
</tr>
<tr>
<td>Research-related activities</td>
<td>56</td>
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<tr>
<td>Other</td>
<td>91</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>9,510</strong></td>
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THIRD MISSION

<table>
<thead>
<tr>
<th>Category</th>
<th>No.</th>
</tr>
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<tbody>
<tr>
<td><strong>Cooperation, Social and Industry Engagement Research Projects</strong></td>
<td>568</td>
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<tr>
<td><strong>Students on Lifelong Learning Programmes</strong></td>
<td>2,441</td>
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<tr>
<td><strong>Pubs per Capita Index Number National Benchmark</strong></td>
<td>110</td>
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<tr>
<td><strong>Pubs per Capita Index Number International Benchmark</strong></td>
<td>59</td>
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<tr>
<td><strong>Co-Authors</strong></td>
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INSTITUTION

<table>
<thead>
<tr>
<th>Category</th>
<th>No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trained People % on University Staff</strong></td>
<td>1,538 52%</td>
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<tr>
<td><strong>Guidance (Current and Outgoing Students)</strong></td>
<td></td>
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<tr>
<td>Curricular internships</td>
<td>20,497</td>
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<tr>
<td>Professional internship</td>
<td>668</td>
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<tr>
<td>Career Days participants</td>
<td>3,149</td>
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<tr>
<td>Recruiting Day participants</td>
<td>1,950</td>
</tr>
<tr>
<td>Job Days (School of Agriculture and veterinary Medicine) participants</td>
<td>300</td>
</tr>
<tr>
<td>Job Placement - web site visitors</td>
<td>1,538</td>
</tr>
<tr>
<td>No. of beneficiaries of the Guidance - Education and Support to Entrepreneurship services</td>
<td>3,410</td>
</tr>
</tbody>
</table>

ISTITUTO DI STUDI SUPERIORI

ISS (Istituto di Studi Superiori of University of Bologna) is a laboratory of excellence where scholars from all levels of education and research meet: professors, researchers and students. It consists of two sections: the Collegio Superiore and ISA - Institute of Advanced Studies.

The mission of the Institute is to foster collaboration and the sharing of knowledge amongst academics from a wide range of fields coming from all over the world. The goal is to develop international collaborative research projects and to increase the learning possibilities for Ph.D. and undergraduate students at the University of Bologna.

Interdisciplinarity, internationalization and sharing are the key words of the Institute, whose community life brings together students, researchers and lecturers to exchange, discuss and realise concepts and ideas.
UNIBO Open Knowledge (BOOK) is an initiative of University of Bologna designed to develop and deliver MOOCs (Massive Open Online Courses). All courses are open to the general public and a specific certification is provided to every learner who complete a course.

The University organizes many activities, events, shows and exhibitions to promote culture for the community. In 2018, the University organized:

- **RICERCA IN SCENA**: 5 shows about research activities, results and methods at theatre through the voice of researchers;
- **ZAMBEST**: a summer festival in the rectorate and streets nearby the University area with concerts, shows, lectures, meetings, talks.
- **I CLASSICI**: seminars about the classical poems.

**GREEN OFFICE**

The Green Office is living hub of sustainability, managed by students and supported by professors, technical staff and the whole University. The aim is to implement concrete projects for the University, made by its protagonists, through a bottom-up approach.

In this way, the students can put into practice sustainable actions and ideas together with a multi-disciplinary and dynamic team and within a protected environment.

The movement of the GOS is managed by rootAbility, a non-profit social business that connects the various GOS and supports students and staff in the start-up phase.

14 of our 32 Departments were selected by the MIUR (Ministry of Education, University and Research) as Departments of Excellence. This initiative gives the recognition to 180 Italian Universities Departments for the quality of the research and the quality of the development project in various research areas.

The Departments of Excellence are:

- Agricultural and Food Sciences - DISTAL
- Architecture - DA
- Biomedical and Neumromotor Sciences - DIBINEM
- Chemistry «Giacomo Ciamician» - CHIM
- Civil, Chemical, Environmental, and Materials Engineering - DICAM
- Classical Philology and Italian Studies - FICLIT
- Economics - DSE
- Electrical, Electronic, and Information Engineering “Guglielmo Marconi” - DEI
- Legal Studies - DSG
- Management - DISA
- Modern Languages, Literatures, and Cultures - LILEC
- Political and Social Sciences - SPS
- Psychology - PSI
- Veterinary Medical Sciences - DIMEVET
5. ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

5. GENDER EQUALITY

- **155** course units
- **2** collaborations, teaching, mobility
- **11,962** students who chose the course units

**TEACHING**

**THIRD MISSION**

- **18** events, initiatives, activities on gender-related issues

**RESEARCH**

- **225** publications in Scopus 2013-2018
- **9,856** “cited by” in Scopus
- **95** PUBs per capita international benchmark
- **88** PUBs per capita national benchmark
- **32** research projects (981,998 €)

**IAU CLUSTER LEADER INSTITUTION ON GENDER EQUALITY**

The IAU Cluster on HESD (Higher Education and Research for Sustainable Development) promotes the role that Higher Education Institutions globally have to fulfil in order to achieve the SDGs and Agenda 2030. Universities are to address the SDGs, which themselves impact on and transform universities. The Cluster encourages a holistic approach to the SDGs, focusing specifically on the whole institution approach.

The IAU Clusters brings HEIs from all continents together and encourages them to develop joint initiatives and synergies toward the achievement of the SDGs and to build a Worldwide Higher Education Community.

The University of Bologna is a Leader Institution of **SDG 5 Gender Equality**, thanks to the many initiatives and implemented projects in order to raise awareness at all levels of this important need of our society.
The University of Bologna applies the national policy against any form of gender pay gap as stated in the Italian Constitutional Chart, art. 37, where it is written: “Working women are entitled to equal rights and, for comparable jobs, equal pay as men”. Thus, at a specific academic position corresponds a specific pay equal for both genders.

To monitor the application of this national policy and the elimination of the gender pay gap, the University provides its data per year in its Gender Equality Annual Report, where it is included also the indicator “University Gender Inequality Index (UGII)”. Through PLOTINA project and the Gender Equality Plan (GEP) the University of Bologna promotes and favours women’s access to university studies even in those areas of study traditionally most frequented by men.

The Gender Equality Plan (GEP) is a flexible tool, comparable to a Positive Action Plan, which is constructed taking into account the peculiarities and needs of each single University or Research Center. Moreover, to contrast gender biases in the evaluation and recruitment of professors and researchers, the University of Bologna produced and diffused a formative video. Last, but not least, the University participates in a national project that allows transgender students to adopt the name they want without being discriminated against at any time during their university career.

Baby Pit-Stop is a special quiet area for students, PhD students, research fellows, academics, staff, visiting friends and relatives moms to feed and change their babies at the University of Bologna.
6. ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

**TEACHING**

- 77 COURSE UNITS
- 5,499 STUDENTS WHO CHOSE THE COURSE UNITS

**RESEARCH**

- 604 PUBLICATIONS IN SCOPUS 2013-2018
- 8,207 "CITED BY" IN SCOPUS
- 171 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK
- 122 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK
- 37
- 37 PUBs PER CAPITA INDEX
- 8,207 "CITED BY" IN SCOPUS

**INSTITUTION**

WATER CONSUMPTION: DATA IN M³ OF WATER

- 1,381,404
- -77.3%
- >75% OF INSTALLED APPLIANCES ARE WATER EFFICIENT

2015 2016 2017 2018

- 1,381,404
- 824,067
- 422,130
- 344,079

6. ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL
7. ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY

7. AFFORDABLE AND CLEAN ENERGY

- 1,294,573 KWh/year solar energy produced
- >75% conventional appliances replaced by energy efficient ones
- 1,052 greenhouse m² in the departments of: Civil, Chemical, Environmental, and Materials Engineering - DICAM
  • Agricultural and Food Sciences - DISTAL

134 course units
6,300 students who chose the course units

THIRD MISSION

- 650 publications in Scopus 2013-2018
- 9,719 “cited by” in Scopus
- 137 pubs per capita index number international benchmark
- 15 research projects (3,005,164 €)

INSTITUTION

- 1,052 pubs per capita index number national benchmark

RESEARCH

- 47 “cited by” in Scopus

COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS

TEACHING

- 134 course units
- 6,300 students who chose the course units
8. PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

Engagement in Academic Entrepreneurship

Academic entrepreneurship refers to the interaction between university, industry, markets and society at large and encompasses different channels (patents, licenses, university-industry collaborations, academic consulting and new venture creation) through which the output of academic research can be conveyed to the market.

The actions to support academic entrepreneurship can be grouped according to five main conceptual dimensions, representing five pillars on which the University’s strategy builds:

- inspiring and raising awareness;
- scouting of ideas;
- pre-incubating services;
- incubating;
- accelerating and enabling growth.
### INSTITUTION

#### TEACHING STAFF

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
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<tbody>
<tr>
<td>Full Professors</td>
<td>177</td>
<td>510</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>457</td>
<td>608</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>464</td>
<td>527</td>
</tr>
<tr>
<td>Research fellows</td>
<td>604</td>
<td>536</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,702</td>
<td>2,181</td>
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#### TECHNICAL- ADMINISTRATIVE STAFF

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heads of administrative divisions</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Technical-Administrative staff</td>
<td>1,897</td>
<td>982</td>
</tr>
<tr>
<td>Language assistants</td>
<td>55</td>
<td>16</td>
</tr>
<tr>
<td>Farm workers</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,959</td>
<td>1,012</td>
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</table>

### INITIATIVES TO SUPPORT ADMINISTRATIVE STAFF WITH DISABILITIES

The University pays particular attention to people with disabilities or in situations of personal hardship, to whom specific initiatives aimed at inclusion are promoted. Among these initiatives there is the creation of the Mobility and Labor Protection Office which aims to promote targeted placement throughout the working life.

This is accompanied by a widespread policy of sensitization of working contexts and the creation of a collaboration network both within and outside the University. Finally, the office provides for the mandatory obligations according to the provisions of the current legislation on the right to work of persons with disabilities.

### CUG AND CONFIDENTIAL COUNSELLOR

The University of Bologna combats all forms of discrimination in particular through a Committee, called CUG “Guarantee Committee for Equal Opportunities, Employee Well-being and non Discrimination at Work”, and through a Confidential Counsellor.

The CUG has propositional, consultative and monitoring functions, fostering the dissemination of a culture of equal opportunities, ensuring well-being and non-discrimination at work, within the competences laid down in article 14 of the University Statute. It uses the University services dedicated to the promotion of well-being at work, operating in collaboration with the University Confidential Counsellor.

The Confidential Counsellor appointed by the Rector, is a super partes expert called on to prevent, manage and intervene in cases of harassment, mobbing and other forms of discrimination.
9. BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION
5.673,407 €

Contract Research

181 Patents (including new plant varieties)

8 Framework collaboration agreements with industry (strategic partnerships)

14 Workshops with industry

1 Joint Lab with industry

2 Joint events with industry

12,939 Students who chose the course units

18,272,025 € Total investment for Phd students

AlmaCube is the incubator and innovative hub of the University of Bologna, founded in March 2013, with the aim of becoming a reference in Italy for the development of startups and spin-offs among universities. At the moment, AlmaCube can count on a vast community of innovators:

• more than 20 Ambassadors who embrace the values of StartUp Day;
• more than 500 participants in monthly events on topics such as technology, sustainable innovation, cultural entrepreneurship, digital innovation and the startup world;
• 30 teams of startuppers;
• more than 8,000 participants in all StartUpDay editions;
• more than 100 companies involved.

Bi-REX is one of the eight Italian Competence Centers and it is led by the University of Bologna. It brings together 57 players, including Universities, Research Centers and Companies. Bi-REX will serve companies throughout Italy, providing them with training, advice and guidance in the adoption of enabling technologies developed in over thirty collaborative projects of industrial research innovation and experimental development focused mainly on connectivity, automation, advanced manufacturing and big data.

AlmaEClub, launched in 2017, is an open community of the University of Bologna faculty members and scholars from all of the disciplines aimed at spreading entrepreneurial culture within the Alma Mater network.

The club provides participants the chance to:

• learn about entrepreneurship;
• be inspired by speakers, sharing their stories, passions and interests in entrepreneurship;
• contribute with ideas and competences to support entrepreneurship in our University.

AlmaCube is structured in 3 integrated business units:

• University Spin-off Unit: transform the best technological and research projects of the University into companies. The 17 incubated spin-offs obtain easy access to the University facilities, laboratories and know-how of our community, as well as the entire network of Confindustria Emilia Area Centro.
• Startup Unit: Every year, about 300 ideas are nominated for StartUp Day, the event organized by the University of Bologna in collaboration with AlmaCube to promote the growth of youth entrepreneurship that hosts more than 2500 participants. The 30 selected startups enter the incubation program, which begins with a period of training. Afterwards, 10-15 projects are selected and supported by AlmaCube staff and mentors for 10 weeks. The best startups enter the final phase, during which they are financially supported with 25k € of funding and services, in order to get ready to present them to investors, during the next edition of StartUp Day.
• Corporate Unit: 40 students and recent graduates of the University of Bologna work in multidisciplinary teams, to face innovation challenges of companies with which AlmaCube collaborates. The programmes are part of international networks of universities and research centres such as Stanford and CERN, involving more than 20 universities worldwide.
10. REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES

The role of the Student Ombudsman is to receive reports on dysfunctions and restrictions affecting the rights of students. Students can contact the Ombudsman to report any forms of abuse, dysfunctions, shortfalls, delays, violations of the law or the principles of good administration, failure to respect the values and rules of the Ethical Code of Behaviour or the principles and rights of the University Statute.
11. MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE

STUDENTS’ SATISFACTION WITH CLASSROOMS

2.11 COURSE UNITS

11,060 STUDENTS WHO CHOSE THE COURSE UNITS

6 COLLABORATIONS, TEACHING, MOBILITY

82.2% STUDENTS’ SATISFACTION WITH CLASSROOMS

627 PUBLICATIONS IN SCOPUS 2013-2018

7,431 “CITED BY” IN SCOPUS

108 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK

102 PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK

15 RESEARCH PROJECTS (6,756,226 €)

1,206 EVENTS IN UNIVERSITY CAMPUS CITIES

53 Bologna

45 Ravenna

23 Cesena

23 Forlì

65 Rimini

45 Other
Our University’s mission has always included a fundamental role whereby it promotes cultural events directed firstly at students but also at other kinds of public participation.

Unibocultura gathers in one ample programme all the non-specialistic events organised and promoted by the University and its various structures, often in collaboration with other cultural entities – plus institutional and economic actors – from its surrounding community.

The old church of Santa Lucia has been transformed into the Main Hall of the University. Also, the renovation of the Rimini Campus, the plan envisages the completion and start-up of the Tecnopolo in the former Slaughterhouse premises. The plan for the works in Filippo Re-Berti Pichat area also envisages the completion of renovation work on the former Veneta railway station area. In Imola it will be adjoined Osservanza complex, which was formerly used by the local Psychiatric Hospital and is now available for complete transformation.

Data refer to the indoor surface area of the buildings and do not include outdoor areas.
12. ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

TEACHING

- 216 COURSE UNITS
- 12,643 STUDENTS WHO CHOSE THE COURSE UNITS
- 1 COLLABORATIONS, TEACHING, MOBILITY

RESEARCH

- 2,086 PUBLICATIONS IN SCOPUS 2013-2018
- 36,532 “CITED BY” IN SCOPUS
- 101 PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK
- 14 RESEARCH PROJECTS (4,608,358 €)

INSTITUTION

- >75% EXTENSIVE RECYCLING PROGRAM FOR UNIVERSITY WASTE
- >75% ORGANIC, INORGANIC AND TOXIC RECYCLED WASTE

>75%
13. TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

149 COURSE UNITS
8,109 STUDENTS WHO CHOSE THE COURSE UNITS
149 TEACHING PROJECTS
220 PUBLICATIONS IN SCOPUS 2013-2018
1,909 “CITED BY” IN SCOPUS
75 PUBs PER CAPITA INTERNATIONAL BENCHMARK
99 PUBs PER CAPITA NATIONAL BENCHMARK
3 RESEARCH PROJECTS (710,036 €)
1 COLLABORATIONS, TEACHING, MOBILITY
6,333 BICYCLES AROUND THE UNIVERSITY DAILY
36,833.14 TONS OF CO₂ EMISSION
556.16 CARBON FOOTPRINT
2,558 PERSONAL PASSES FOR USE OF PUBLIC TRANSPORT ON FAVORABLE TERMS
41 ELECTRIC CARS IN THE UNIVERSITY FLEET
<1% RATIO OF PARKING AREA TO TOTAL CAMPUS AREA
1 COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS

13 CLIMATE ACTION

13. TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

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14. CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINES RESOURCES FOR SUSTAINABLE DEVELOPMENT

**TEACHING**

- **35** course units
- **1,827** students who chose the course units
- **1** collaborations, teaching, mobility

**RESEARCH**

- **27** publications in Scopus 2013-2018
- **396** “cited by” in Scopus
- **366** pubs per capita index number international benchmark
- **389** pubs per capita index number national benchmark
- **12**
- **8** research projects (1,588,571 €)

**INSTITUTION**

**BLUE GROWTH @ UNIBO**

The University of Bologna is one of the founder of BIG (Blue Italian Growth), a new national technology cluster dealing with research, innovation and training, linked to the sustainable development of both traditional and emerging sectors of the marine economy.
15. PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

The University of Bologna Experimental Farm - AUB, since 1974, support research and experiments conducted by departments of the Agricultural and Food Sciences and Veterinary Medical Sciences. In general, it is an ‘observatory’ of agriculture and an important training ground for students.

The Ozzano Centre has a teaching cow-house for dairy cattle, geared to experimentation with different feeds and their yield. One section of the Farm is applying an ongoing protocol of organic agriculture. The Farm puts on services to design, implement and maintain areas of greenery throughout the University. It also runs a canteen at the Cadriano Centre for teaching and experiment.
16. PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS

TEACHING

- 83 COURSE UNITS
- 7,775 STUDENTS WHO CHOSE THE COURSE UNITS
- 4 COLLABORATIONS, TEACHING, MOBILITY

RESEARCH

- 281 PUBLICATIONS IN SCOPUS 2013-2018
- 7,974 "CITED BY" IN SCOPUS
- 29 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK
- 82 PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK
- 117 PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK
- 7 RESEARCH PROJECTS (2,164,640 €)

THIRD MISSION

- 5 COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS

THE MAGNA CHARTA OBSERVATORY

The University of Bologna widely supports the goals and activities of the Magna Charta Observatory of Fundamental Values and Rights (MCO) signed by 889 Universities from 88 countries.

Since 1988, the Magna Charta Observatory is the global guardian of fundamental university values set out in the Magna Charta Universitatum and assists universities and higher education systems to operate effectively in accordance with the values of academic freedom and institutional autonomy as a guideline for good governance and self-understanding of universities in the future.
In University of Bologna website all the institutional documents and regulations, including planning and reporting documents are accessible and available.

Also, the University of Bologna has signed the Berlin Declaration on open access to knowledge in the Sciences and Humanities.
17. STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT

The aim behind this European Commission initiative is to bring together a new generation of creative Europeans, who are able to cooperate across languages, borders and disciplines to address the big societal challenges and skills shortages that Europe faces.

These initiatives are:
- UNA Europa - European University Alliance
- European Bioeconomy University: international alliance with focus on bioeconomy

EUROPEAN UNIVERSITIES INITIATIVES

TEACHING

- 83 COURSE UNITS
- 6,316 STUDENTS WHO CHOSE THE COURSE UNITS
- 4 COLLABORATIONS, TEACHING, MOBILITY

THIRD MISSION

- 3 COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS
- 3 NATIONAL NETWORKS
- 10 INTERNATIONAL NETWORKS

RESEARCH

- 1,191 PUBLICATIONS IN SCOPUS 2013-2018
- 17,752 “CITED BY” IN SCOPUS
- 55
- 103 PUBs PER CAPITA INDEX NUMBER INTERNATIONAL BENCHMARK
- 97 PUBs PER CAPITA INDEX NUMBER NATIONAL BENCHMARK
- 3 RESEARCH PROJECTS (916,138 €)
**Third Mission**

**No. of Development Cooperation Initiatives**

| No. | 70 | 43 | 30 | 27 | 23 | 50 | 56 | 762 |

**International Networks for SDGs**

The University of Bologna takes part into a series of international university networks that share the task of promoting cooperative activities in diverse fields and seek to create a communal area of higher education and research and to follow the objectives of the Agenda 2030. These are:

- Coimbra Group
- IAU - International Association of Universities
- Scholar at Risk

**National Networks for SDGs**

The University of Bologna is also member of various national networks that promotes Sustainable Development and Cooperation. These movements pursue the 17 SDGs:

- RUS - Italian University Network for Sustainable Development
- ASviS - Italian Alliance for Sustainable Development
- CUCS - University Coordination for Development Cooperation

**Memorandum of Understanding for Africa**

The University of Bologna, Politecnico of Milan, University of Napoli - Federico II, University of Padova, Sapienza - University of Roma collaborate for the realization of an active and lasting collaboration in order to pursue excellent results in the fields of applied university training and experiential learning and to strengthen the higher education in the African continent.

**Institution**

**First University for Erasmus+ Students Mobility in Europe**

**Source Indire 2018**

- **Incoming**: 1,970
- **Outgoing**: 2,787

**Unico-Re**

**University Corridors for Refugees** (Ethiopia-Unibo 2019-21): The initiative is created to allow refugee students from Ethiopia to continue their academic career at the University of Bologna. The project is promoted by the Alma Mater and UNHCR Italy - UN Agency for Refugees and carried out thanks to the support of: Italian Ministry of Foreign Affairs and International Cooperation, Archdiocese of Bologna, Caritas Italiana, ER.GO - Regional Board for the Right to Higher Studies of Emilia-Romagna, Federmanager Bologna - Ravenna, Gandhi Charity, Manageritalia Emilia Romagna, Next Generation Italy.
This document presents the methodological approach used to define the direct and indirect impact of the university’s activities in their four dimensions - teaching, research, third mission and institution - in order to measure their contribution to the advancement of the United Nations 2030 Agenda.

This document was formulated by the Scientific and Technical Committee for Social Reporting at the University of Bologna from April 2019 to July 2019. The data presented herein refers to 2018, as well as A.Y. 2018/19 for training data.

The report presents the key figures of the University of Bologna, followed by 17 sections, each one dedicated to an SDG, reporting the impact generated by the University through its diversified activities. In particular, each Goal is reported in relation to the four dimensions of activities carried out at the University of Bologna (teaching, research, third mission and institution) using a set of metrics formulated to match and integrate with the institutional documents of the University of Bologna.

Data comes mainly from the University Data Warehouse, a database powered by the Alma Mater Studiorum’s management systems, also drawing upon ad hoc surveys by the coordinators of the study programme, content analysis of research projects and cooperation programmes and SCOPUS queries.

Every year we improve this report, especially on the methodological process which aims to be shared and become a statement of intent and responsibility that can be adopted by universities to achieve the values of the 2030 Agenda.

This year the committee made an important effort for the improvement of the quality of data. For this reason some data can differ significantly from the trends of the last reports.

In the next pages, a description of how certain metrics were quantified in the document.
METHODOLOGICAL NOTE

REPORT ON U.N. SUSTAINABLE DEVELOPMENT GOALS

PUBLICATIONS IN SCOPUS
Research regarding the number of publications was taken from the Scopus database, considering all articles from 2013-2018 which contain a specific sequence of keywords and an author affiliated with University of Bologna. Keywords were chosen for each SDG by considering the general declaration of the goals and all targets of each goal. Each year we are trying to improve our methodology in order to present data as coherent as possible. Therefore, any relevant difference between the years may due to the new sets of keywords and algorithm.

*CITED BY* IN SCOPUS
The number of documents that have cited the author for a document’s publication in DB Scopus.

H-INDEX
The h-index was developed by the physician Jorge Eduardo Hirsh and counts the highest number of papers having at least the same number of citations. It express an easy to read 1:1 relationship between publishing articles and citations. In the bibliometric sectors is widely used to measure the impact in terms of scientific output of a researcher. Here is used to measure the scientific output of the University of Bologna, using the keywords’ clusters, extracted from each SDG, to contain and limit its topics and objectives.

FP7, H2020, LFE, INTERREG RESEARCH PROJECTS
The number of FP7, H2020, LIFE, INTERREG, research projects active on 2018.

INTERNATIONAL BENCHMARKING
Benchmarking includes universities within the top 10 European Universities ranked in QS World Universities Ranking 2020 published on www.topuniversities.com comparable to the University of Bologna in terms of:
• Size (XL - more than 30,000 students)
• Focus (FC - all 5 QS faculty areas, including the school of medicine)
• Research Intensity (Very High - more than 13,000 publications in the last 5 years)
• Status (Public)

Using the above parameters, the field was narrowed to 10 universities:

<table>
<thead>
<tr>
<th>University Name</th>
<th>Country</th>
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<tbody>
<tr>
<td>UCL (University College London)</td>
<td>UK</td>
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<tr>
<td>University of Edinburgh</td>
<td>UK</td>
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<tr>
<td>The University of Manchester</td>
<td>UK</td>
</tr>
<tr>
<td>Ludwig Maximilians-Universität München</td>
<td>DE</td>
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<tr>
<td>University of Copenhagen</td>
<td>DK</td>
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<tr>
<td>Sorbonne University</td>
<td>FR</td>
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<tr>
<td>Katholieke Universiteit Leuven</td>
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<tr>
<td>University of Leeds</td>
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<td>University of Nottingham</td>
<td>UK</td>
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<td>Leiden University</td>
<td>NL</td>
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</tbody>
</table>

The total number of articles was determined as described in “PUBLICATIONS IN SCOPUS.” The total number of articles for each university and each goal was scaled against the number of academic staff as listed by QS for the World University Ranking 2020. By doing so, we eliminated any dimensional effect caused by simply considering the total number of publications. Finally, for each goal we compared the University of Bologna’s ratio with the average of the ratios for the 10 universities in the benchmark group. If the index number “benchmark = 100”; an index number higher than 100 means that “per capita publications” by UNIBO academics is higher than the average of the universities in the international benchmark group. If the index is lower than 100, UNIBO academic productivity is lower than the benchmark.

NATIONAL BENCHMARKING
Following the parameters used for the selection of the international benchmarking, three Italian universities were selected from the first 400 in the QS World Universities Ranking 2018/2019.

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<tr>
<th>University Name</th>
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<td>UNIVERSITÀ DEGLI STUDI DI PADOVA (UNIPD)</td>
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<tr>
<td>SAPIENZA - UNIVERSITÀ DI ROMA (UNIROMA1)</td>
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<tr>
<td>UNIVERSITÀ DEGLI STUDI DI MILANO (UNIMI)</td>
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</tr>
<tr>
<td>UNIVERSITÀ DEGLI STUDI DI PISA (UNIPI)</td>
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</table>

The Scopus research criteria and the index number calculation criteria were the same as that of international benchmarking.

COACH UNITS
This data came from a survey investigating the link between the single course unit of a study programme and the U.N. Sustainable Development Goals. The survey was conducted asking to all teachers the link for each their course units using a web procedure. More than 95% of course units of the A.Y 2018/2019 has a link with at least a SDG.

STUDENTS
The number of students attending a course unit “tagged” for that SD Goal in A.Y. 2018/2019.

COLLABORATIONS, TEACHING, MOBILITY
The number of collaboration, teaching and mobility projects which were active in 2018.

COOPERATION, SOCIAL AND INDUSTRY ENGAGEMENT RESEARCH PROJECTS
The number of cooperation, social and industry engagement projects active in 2018.

PATENTS (INCLUDING NEW PLANT VARIETIES)
The number of active patents and vegetal varieties registered in 2018 by the university (both ownership and co-ownership), including their various international extensions.

GLASS CEILING INDEX
The Glass Ceiling index is the ratio between the share of women in the teaching staff (level A + level B + level C) and the share of women in the role of full professor (level A). The value of this index can vary from 0 to infinity. An index value of 1 indicates that there is no difference between women and men in terms of the probability of reaching the maximum career level (full professor); an index value lower than 1 means that the share of women in the maximum achievable role (full professor) is higher than their average presence among all teaching staff (level A + level B + level C); an index value higher than one indicates the presence of a “glass ceiling effect”, with women less represented in top positions (level A) than in the overall teaching staff (level A + level B + level C). In general, the greater the value assumed above one on the Glass Ceiling index, the stronger the glass ceiling, and the harder it is for women to take on leading roles within academia. See EU – Directorate-General for Research and Innovation (2016), She Figures 2015, European Commission, Brussels, p. 137.

UNIVERSITY-INDUSTRY FRAMEWORK COLLABORATION AGREEMENTS
The Framework (Collaboration) Agreement represents the strategic engagement tool that allows the University of Bologna to strengthen long terms and trustful relations with industry. This Agreement is based on a joint approach, where both the University and the industry share and develop collaborations across disciplines and programs, in order to increase results and avoid fragmentation within the institution. The University of Bologna has developed an internal support unit to coordinate such activities and to foster new collaborative actions with industry partners.
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We are all, but we are ONE