



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



The University of Bologna and the Department of Agricultural and Food Sciences | DISTAL

Alma Mater Studiorum - Università di Bologna



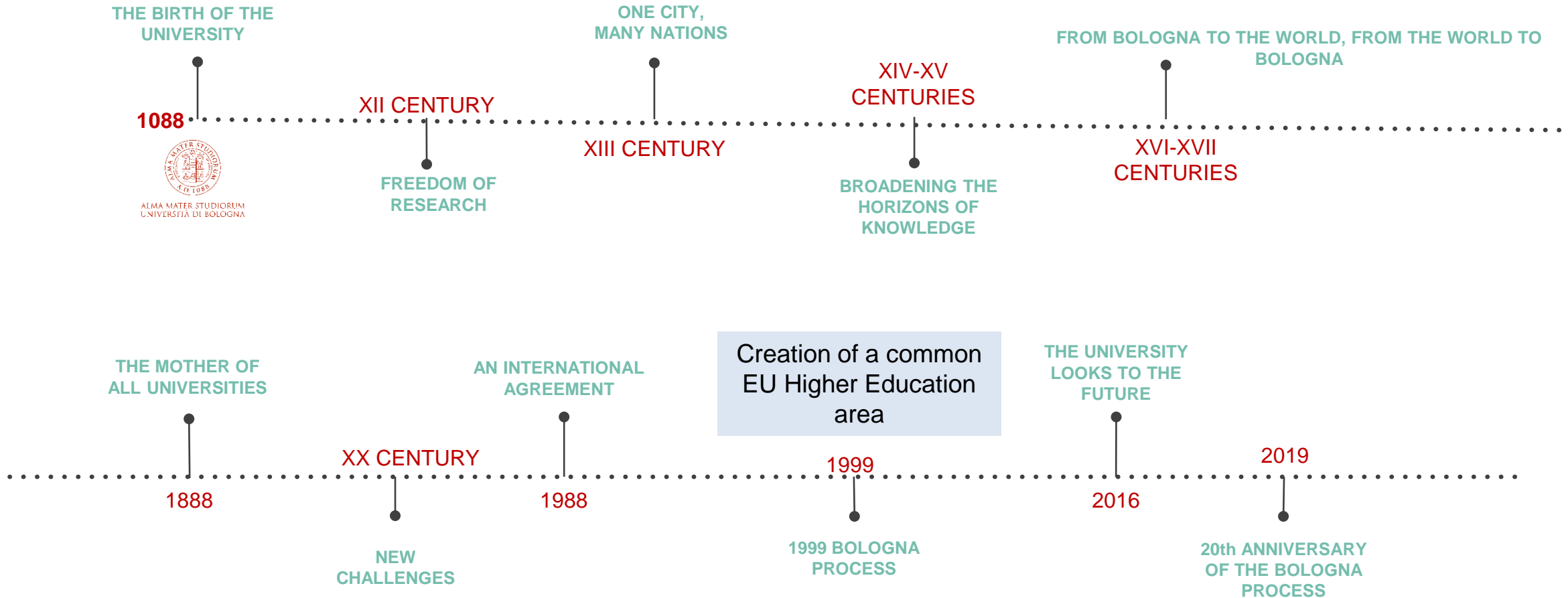
1088

The oldest university in the western world



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

FROM 1088 TO THE FUTURE



The rectors of 500 European Universities met in Bologna to sign the Magna Charta Universitatum to confirm the essential values and autonomy of universities





CESENA CAMPUS

The main vocations

- Agrifood
- Architecture
- Ict and Bioengineering
- Psychology

Departments and Local Organizational Units (U.O.S.)

- Architecture (Department and U.O.S.)
- U.O.S. Computer Science and Engineering
- U.O.S. Electrical, Electronic and Information
- Engineering "Guglielmo Marconi"
- U.O.S. Psychology "Renzo Canestrari"
- U.O.S. Agricultural and Food Sciences
- U.O.S. Veterinary Medical Sciences

FORLÌ CAMPUS

The main vocations

- Economics and Social Sciences
- Mechanical and Aerospace Engineering
- Translation and Interpreting

Departments and Local Organizational Units (U.O.S.)

- Business Science - Forlì campus
- Interpreting and Translation
- U.O.S. Industrial Engineering
- U.O.S. Economics
- U.O.S. Sociology and Business Law
- U.O.S. Political and Social Sciences

RAVENNA CAMPUS

The main vocations

- Environments and Sea Rights
- Cultural Heritage

Departments and Local Organizational Units (U.O.S.)

- Cultural Heritage
- U.O.S. Industrial Chemistry "Toso Montanari" (Faenza)
- U.O.S. History, Culture, Civilisation
- U.O.S. Biological, Geological and Environmental Sciences
- U.O.S. Law
- U.O.S. Chemistry "Giacomo Ciamician"
- U.O.S. Civil, Chemical, Environmental and
- Materials Engineering

RIMINI CAMPUS

The main vocations

- Sustainable Development and well being
- Services for individuals, businesses and communities
- Tourism and Fashion

Departments and Local Organizational Units (U.O.S.)

- Business Science - Rimini campus
- Life Quality Studies
- U.O.S. Industrial Chemistry "Toso Montanari"
- U.O.S. Economics
- U.O.S. Statistical Sciences "Paolo Fortunati"
- U.O.S. Chimica "Giacomo Ciamician"
- U.O.S. for the Arts





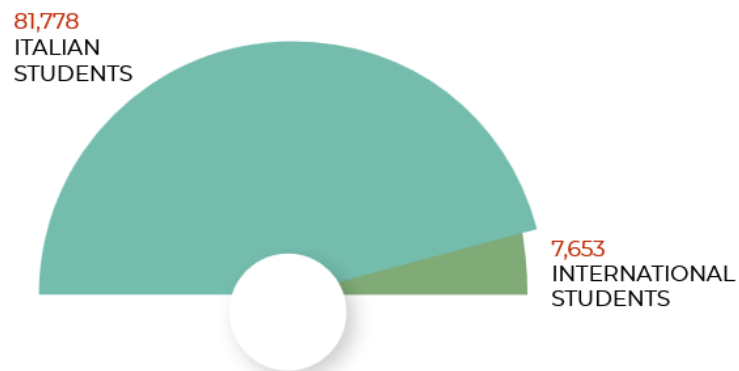
26,748 new students have enrolled at the University of Bologna for the 2024/2025

The University of Bologna continues to lead in attracting **international students, with a 23.1% increase** (compared to +11% last year). Notable growth has been recorded from China (+27%), Turkey (+43%), Russia (+8%), Pakistan (+172.2%), and Turkey (+43.1%), as well as from European countries, including Germany (+50%), Belgium (+253%), Spain (+143%), and Romania (+24%).

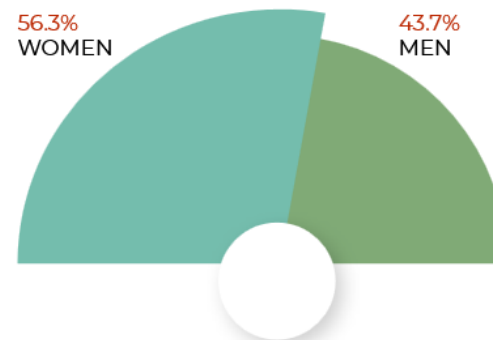




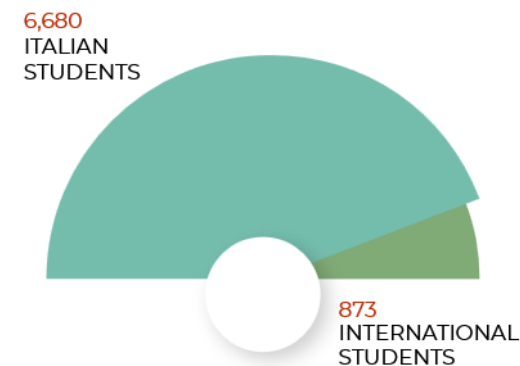
STUDENTS ENROLLED
IN DEGREE PROGRAMMES:
89,431



STUDENTS ENROLLED IN
DEGREE PROGRAMMES BY GENDER



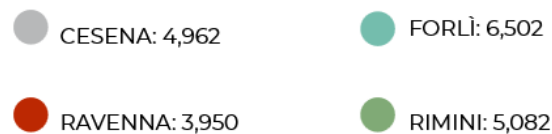
ENROLMENTS IN
POSTGRADUATE
PROGRAMMES: 7,553



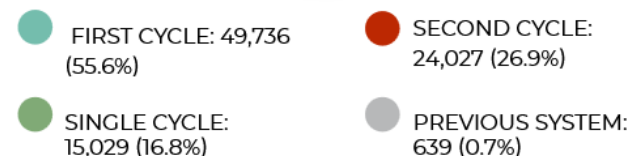
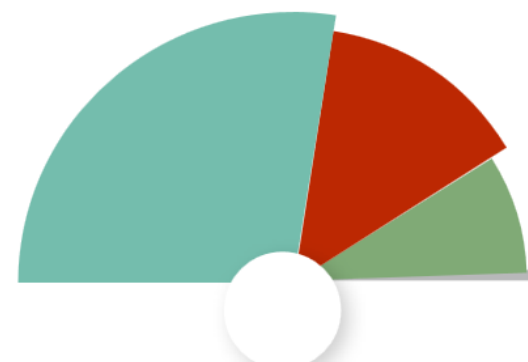
STUDENTS ENROLLED
UNDERGRADUATE AND
POSTGRADUATE DEGREE
PROGRAMMES

96,984

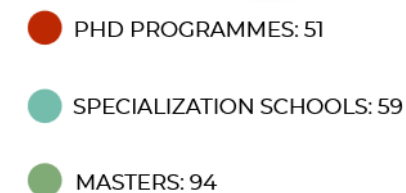
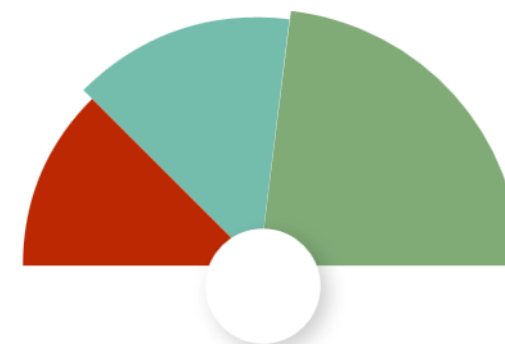
ENROLMENTS BY CAMPUS:
20,496



ENROLMENTS
BY DEGREE PROGRAMME



POSTGRADUATE TRAINING



INTERNATIONAL MOBILITY



FROM BOLOGNA TO EUROPE
(ERASMUS+)

3,604



FROM EUROPE TO BOLOGNA
(ERASMUS+)

3,250



EUROPEAN STUDENTS
(ERASMUS+ COUNTRIES)
ENROLLED IN DEGREE PROGRAMMES

2,442



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



DEGREE PROGRAMMES

260

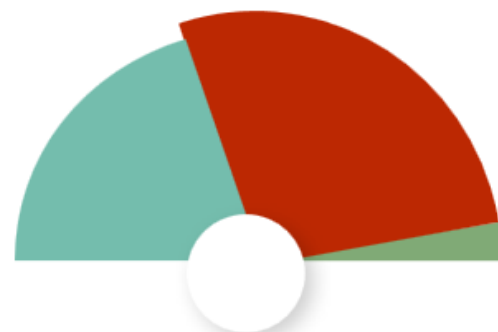
OF WHICH 107 INTERNATIONAL:

64 TAUGHT IN ENGLISH

25 TAUGHT IN ENGLISH DOUBLE/MULTIPLE DEGREES

18 DOUBLE/MULTIPLE DEGREES NOT TAUGHT IN ENGLISH

PROGRAMME CATALOGUE BY CYCLE



FIRST CYCLE: 40.0%

SECOND CYCLE: 54.6%

SINGLE CYCLE: 5.4%



RESEARCH

OUTSTANDING MULTIDISCIPLINARY RESEARCH



Agri-food, bioeconomics,
natural resources,
agriculture
and the environment



Climate, energy
and mobility



Culture, creativity
and inclusive societies



Digital, industry
and space

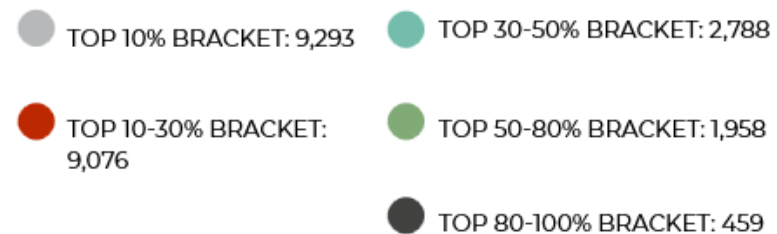
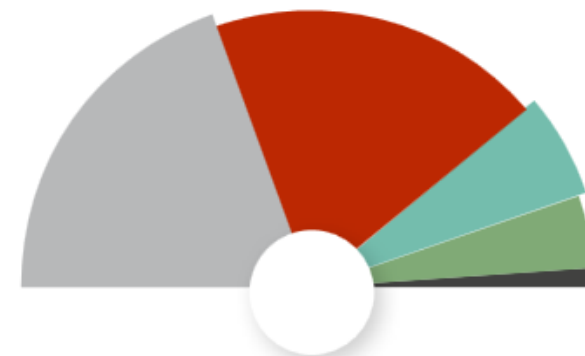


Health



Public safety

SCIENTIFIC PRODUCTION: **14,500**



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Department of Agricultural and Food Sciences

MISSION

Promoting knowledge and scientific culture
in agricultural and food sciences
by advanced research



DISTAL

Born in 2018 as an integrated organisation incorporating all the teaching and research activities of the agricultural area of the University of Bologna



Distal won projects "Department of Excellence 2018-2022 " and "Department of Excellence 2023-2027 " (awards funded by MUR - Ministry of University and Research)



Agriculture & Forestry:
UNIBO 1st out of 21
Italian Universities



DISTAL SPACES

Research labs
31 for about 5.000 m²

Teaching labs
about 1.000 m²

Computer classrooms
about 200 m²

Classrooms
more than 2.000 m²

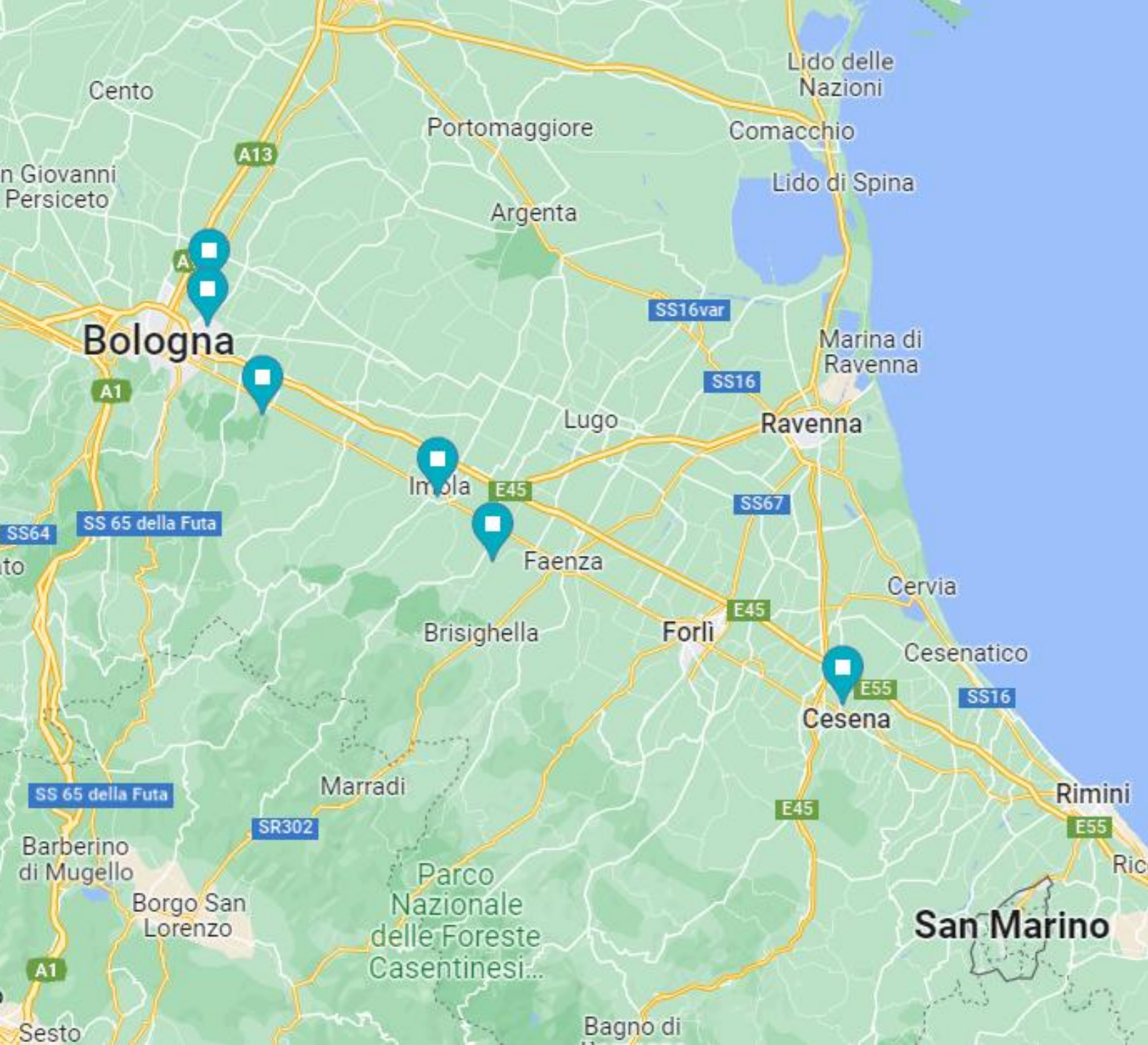
Greenhouse
more than 2.000 m²

Green areas
more than 7.000 m²

Study/lunch rooms
about 400 m²

Shade structures
more than 100 m²





DISTAL LOCATIONS

Two main headquarters in:

Bologna (BO)

Cesena (FC)

Other teaching and research
activities in:

Ozzano (BO)

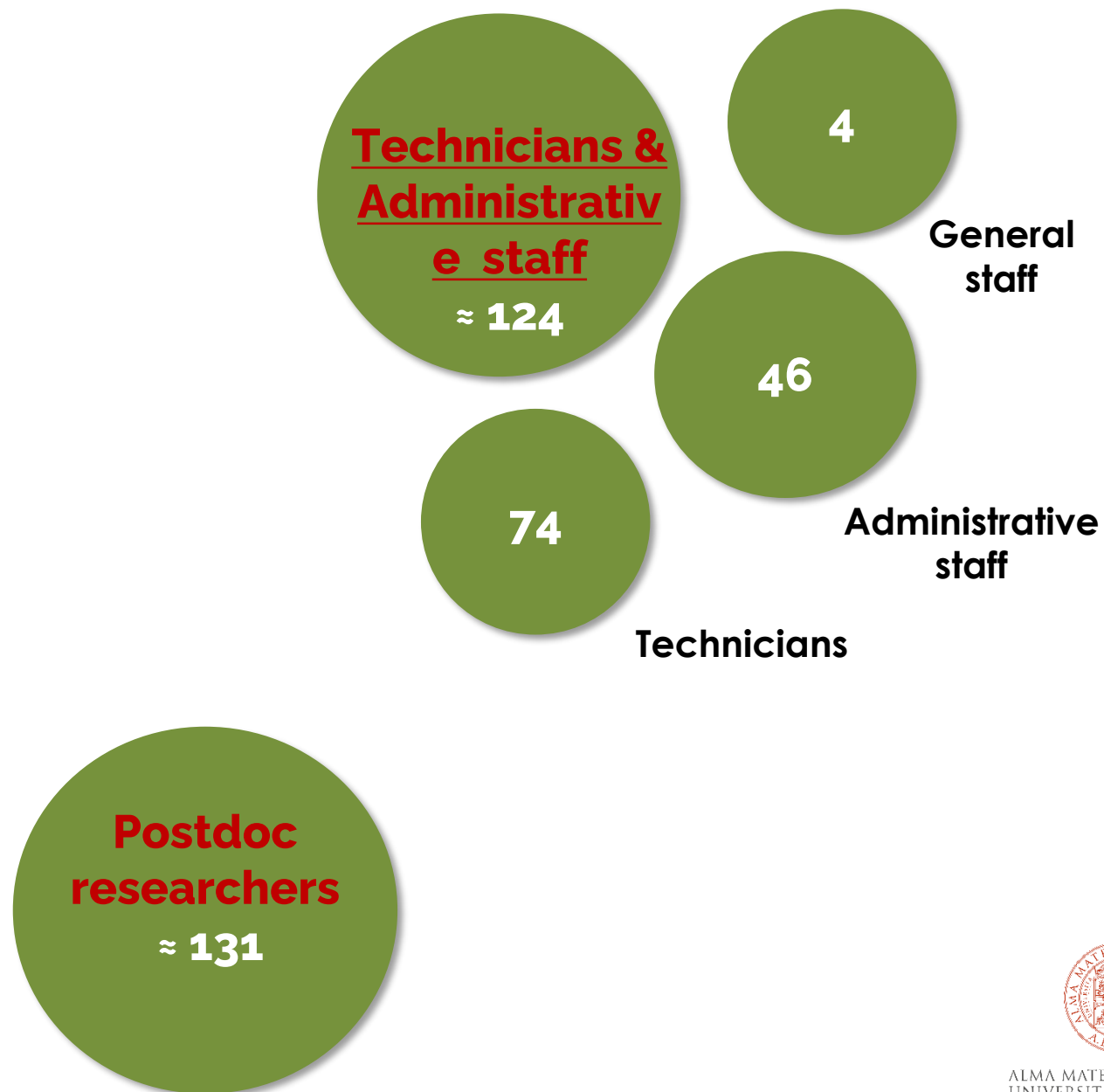
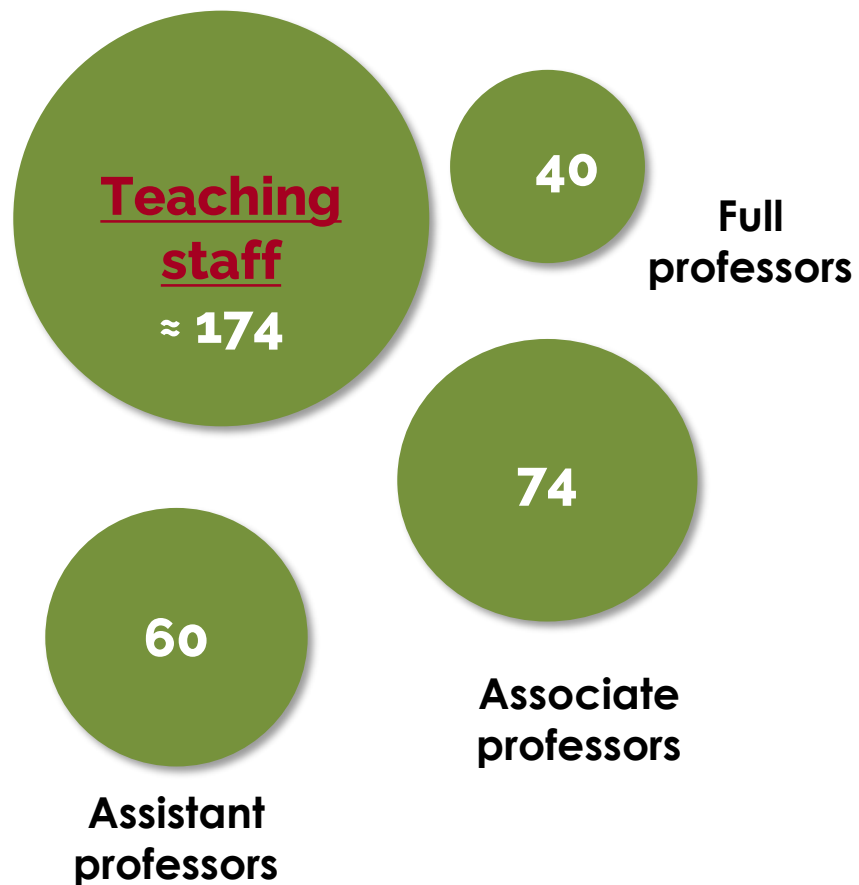
Cadriano (BO)

Imola (BO)

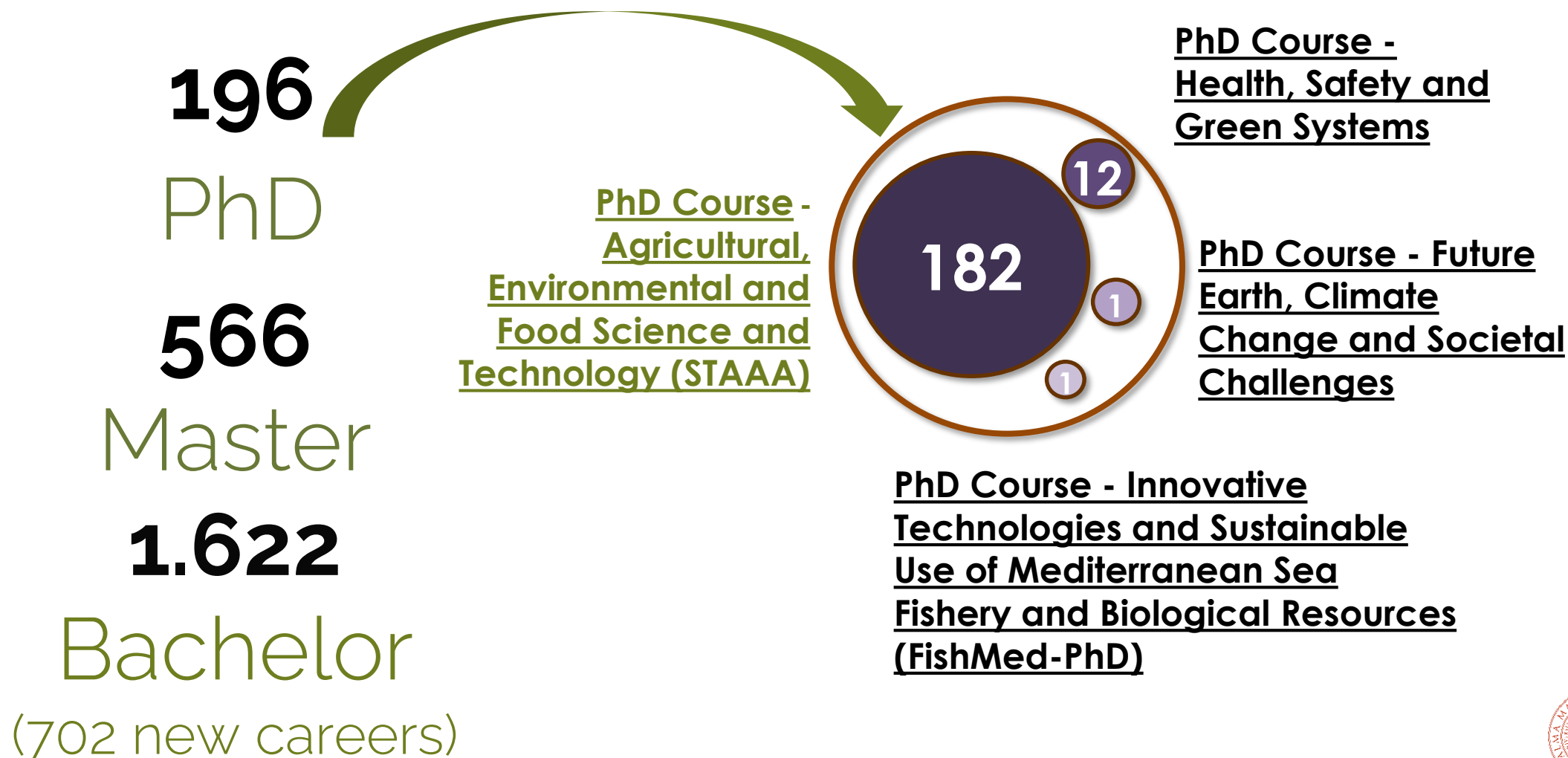
Tebano (RA)



PEOPLE (2024)



STUDENTS ENROLLED (A.Y. 2023/24)



TEACHING PROGRAMMES

4

PhD
programmes

7

Master's degree
programmes

8

Bachelor's degree
programmes



8 BACHELOR'S DEGREE PROGRAMMES

At Bologna campus

Agricultural Technology

Animal Production

Land and Agro-Forestry Technologies

Marketing and Economics of the Agro-Industrial System

At Imola campus

Sciences and Technologies for Green and Landscape

At Cesena campus

Food Technology

Sciences and Culture of Gastronomy

Viticulture and Enology



7 MASTER'S DEGREE PROGRAMMES



At Bologna campus

Agricultural Sciences and Technologies



Food Safety and Food Risk Management



International Horticultural Science

Planning and management of forest territory, landscape and environment



Precise and Sustainable Agriculture

At Imola campus

Plant and agricultural biotechnology

At Cesena campus

Food Science and Technology

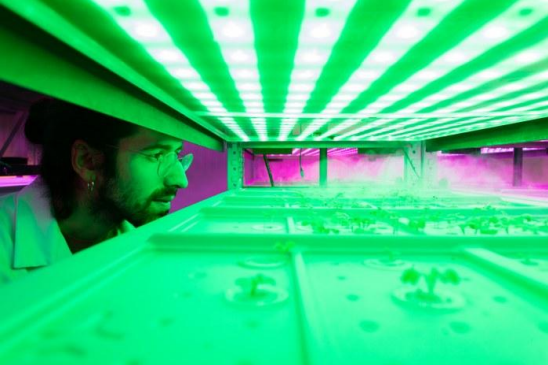




10 RESEARCH AREAS

- Agronomy and field, vegetable, ornamental crops
- Agricultural and food economics
- Agricultural chemistry, pedology and agricultural genetics
- Agricultural engineering
- Agro-environmental and food microbiology
- Animal sciences
- Chemistry, biochemistry and botany
- Food science and technology
- Fruit tree and woody plant sciences
- Plant pathology and entomology





31 RESEARCH LABS

- Agricultural garden | Greenhouse complexes | Growth chambers
- Phytotrons & Plant Physiology Labs
- Agri-environmental Microbiology labs
- Agricultural Chemistry and Pedology Labs
- Animal Production Quality and Food Safety labs
- Experimental Economics in Agriculture, Food, Environment | FARE-La
- Applied research and food formulation | RAFA
- Enology, Beverages and Sensory Analysis | LEBS
- Nutritional Biochemistry Labs
- Chemistry, instrumental and sensory analysis of food | LACASS
- Seed Research and Testing | LaRAS
- Mycology and Applied Botany | LAMBA
- Agricultural mechanics Labs
- Food Characterization and Food Technologies | LCTA



9 MULTIDISCIPLINARY THEMATIC GROUPS



Water & agriculture



Apidology & apiculture



Agriculture & climate change



Genetic resources



Precision agriculture



Soil health



Plant health



Circular bioeconomy



Big data



DISTAL competitive projects won since 2022

COORDINATED H2020 & HEU PROJECTS

YEAR	No. of project	Total funding (Ml €)
2014	1	0.434
2015	10	3.390
2016	8	3.879
2017	8	2.423
2018	6	1.555
2019	6	3.722
2020	3	2.118
2021	1	0.192
2022	1	1.285
2014 - 2022	44	17.448

- **79 EU-funded project** (H2020,HEU,KIC, PRIMA Sec. 1, etc.), 18 coordinated projects, over 24,9M € of Grant for the Department;
- **22 International projects with EU and international dimension** (JPI, PRIMA Sec. 2, EJP, etc.), 6 coordinated projects, over 3M € grant;
- **53 nationally funded projects**, 12 coordinated projects, over 5M€ grant
- **85 minor projects from Regional and local funding agencies** (public and provate), ofr over 3,5M € grant



AZIENDA AGRICOLA A.U.B.

The Farmhouse



University of Bologna Farmhouse - A.U.B.

[A.U.B. \(unibo.it\)](http://unibo.it)

The farmhouse supports teaching, research and testing activities, and the management and the enhancement of the University's land assets.

Main features:

- Technological platform
- Living Lab



Third Mission

- 25 Patent Families for a total of 83 patents
- 34 plant breeders rights [\(link\)](#)
- 3 Spin-off

Laboratories and structures accredited at national and international level allow a constant alignment with the industrial world and financing through projects and activities on behalf of third parties.

Fingerprinting Service of plant material for its discrimination and/or identification (fingerprinting). The laboratories are accredited by the Emilia-Romagna Region for DNA molecular analysis.



Third Mission

LaRAS - Seed Research and Analysis Laboratory

The laboratory is authorized to perform analysis for the application of seed regulations.

The Laras performs on request the following service activities for public bodies and private entities (seed companies, multiplier farmers, food industry, etc.):

- Official sampling service of seed lots, especially those intended for export
- Seed quality analysis services
- Physical analysis
- Physiological analysis
- Genetic analysis
- Technical consultancy service on specific issues related to seeds.



ISTA ACCREDITED
LABORATORY ITDL0100



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

INTERNATIONAL DIMENSION





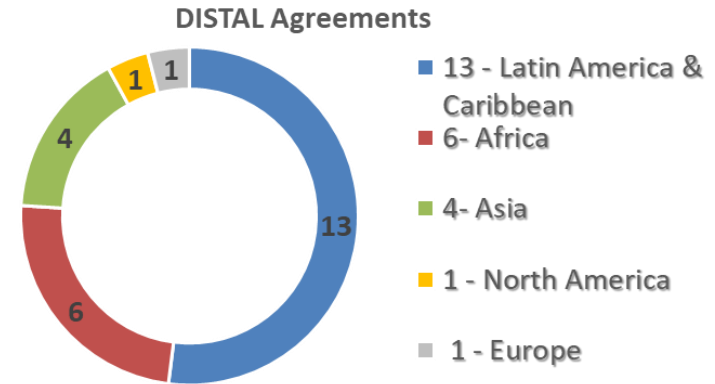
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161856	AL 0008	Agricultural University of Tirana Accordo di settore tra University of Agriculture of Tirana e DISTAL	ALBANIA TIRANA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	05/04/2023 04/04/2028
162998	BR 0005	UNIVERSIDADE FEDERAL DE PELOTAS Accordo tra DISTAL e UNIVERSIDADE FEDERAL DE PELOTAS	BRASILE PELOTAS	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	15/08/2023 15/08/2028
155717	BR 0014	UNIVERSIDADE DO ESTADO DE SANTA CATARINA (UDESC) Agreement of cooperation between the dep. of Agricultural and Food Sciences of Unibo and the University of the state of Santa Catarina	BRASILE SANTA CATARINA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	26/09/2022 25/09/2027
160414	BR 0023	Universidade Federal de Santa Maria International Cooperation agreement between the Federal University of Santa Maria, Brazil and the department of agricultural sciences , Unibo	BRASILE SANTA MARIA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	11/10/2022 10/10/2027
162973	CL 0008	UNIVERSIDAD DE LA FRONTERA ACCORDO DISTAL UNIVERSIDAD DE LA FRONTEIRA	CILE TEMUCO	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	31/05/2023 31/05/2028
146281	CM 0002	University of Buea Cooperation agreement between DISTAL Unibo and the Faculty of Agriculture and Veterinary Medicine of the University of Buea	CAMERUN BUEA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	27/04/2022 26/04/2027
186086	CN 0007	UNIVERSITA' AGRARIA DELLO XINJIANG Accordo di settore tra DISTAL e The college of economics and management of The Xinjiang Agricultural University	CINA REPUBBLICA POPOLARE URUMQI	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	09/09/2024 08/09/2029
182914	CN 0031	CHINESE ACADEMY OF AGRICULTURAL SCIENCES AGREEMENT OF COOPERATION BETWEEN ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA , FACULTY OF AGRICULTURAL SCIENCES AND THE CHINESE ACADEMY OF AGRICULTURAL SCIENCES	CINA REPUBBLICA POPOLARE BEIJING	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	04/09/2024 03/09/2029
145089	CN 0093	Henan Agricultural University Agreement of Cooperation between the Department of Agricultural and Food Sciences of the Alma Mater Studiorum - University of Bologna and the College of Agronomy - Henan Agricultural University	CINA REPUBBLICA POPOLARE HENAN	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	05/05/2022 04/05/2027
191864	CN 0098	School of Tropical Agriculture and Forestry, Hainan University Accordo di settore tra DISTAL e School of Tropical Agriculture and Forestry, Hainan University	CINA REPUBBLICA POPOLARE HAINAN, P.R. CHINA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	16/12/2024 15/12/2029
166110	CO 0023	FACOLTÀ DI INGEGNERIA, CORPORACION UNIVERSITARIA MINUTO DE DIOS, UNIMINUTO Accordo di settore tra DISTAL e Facoltà di Ingegneria, corporacion Universitaria Minuto de Dios, UNIMINUTO	COLOMBIA BOGOTÁ D.C.	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	10/07/2023 10/07/2028
152587	CR 0002	Instituto Tecnológico de Costa Rica Letter of agreement of cooperation between the department of Agricultural and Food Sciences of University of Bologna and the Instituto Tecnologico de Costa Rica	COSTA RICA CARTAGO	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	30/09/2022 29/09/2027
155160	CU 0003	UNIVERSIDAD DE ORIENTE Accordo di cooperazione tra il dip. di Scienze e Tecnologie agro-alimentari (DISTAL) dell'Unibo e l'Universitade Oriente (UO)	CUBA SANTIAGO DE CUBA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	05/12/2022 04/12/2027
175453	ET 0008	College of Agriculture and Natural Resources of the Salale University Accordo di settore tra DISTAL e College of Agriculture and Natural Resources of the Salale University	ETIOPIA ETIOPIA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	13/03/2024 13/03/2029
146267	HN 0002	UNIVERSIDAD NACIONAL DE AGRICULTURA DE HONDURAS - UNAG ACCORDO DI COOPERAZIONE TRA DISTAL, UNIBO E L'UNIVERSITA NAZIONALE DELL'AGRICOLTURA DELL'HONDURAS	HONDURAS CATACAMAS	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	29/04/2022 28/04/2027
182533	IT 0072	Organizzazione Internazionale Italo Latino Americana - IILA Accordo fra Dipartimento Scienze e Tecnologie Agro-Alimentari - IILA	ITALIA ROMA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	26/08/2024 25/08/2029
178179	JP 0031	Chiba University - National University Corporation Agreement between School of Horticulture and Faculty of Horticulture of Chiba University and Department of Agricultural and Food Sciences of Bologna University	GIAPPONE CHIBA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	31/05/2024 30/05/2029
160416	KE 0002	Jomo Kenyatta University of Agricultural Technology Accordo tra il Dipartimento di Scienze e tecnologie Agroalimentari e la Jomo Kenyatta University of Agriculture and Technology	KENYA NAIROBI	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	15/03/2023 14/03/2028
168468	MX 0019	Instituto tecnologico de Pabellon de Arteaga Accordo di settore tra DISTAL e Instituto tecnologico de Pabellon de Arteaga	MESSICO PABELLON DE ARTEAGA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	12/06/2023 11/06/2028
155429	PE 0014	UNIVERSIDAD NACIONAL DE FRONTERA Accordo di cooperazione tra il dip. di Scienze e Tecnologie agro-alimentari (DISTAL) dell'Unibo e la scuola professionale di Ingegneria dell'industria alimentare dell'Universidad de la Frontera	PERÙ PIURA	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	14/11/2022 13/12/2027
160810	SC 0001	University of Seychelles Accordo di settore tra Dip. Scienze e Tecnologie Agro-Alimentari e University of Seychelles	SEYCHELLES MAHE	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	06/04/2023 05/04/2028
177824	TR TEKIRDA01	NAMIK KEMAL UNIVERSITY l'accordo DISTAL e Department of soil sciences and plant nutrition, Namik Kemal University	TURCHIA ÇORLU/TEKIRDAĞ	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	16/05/2024 15/05/2029
161948	US 0259	MICHIGAN STATE UNIVERSITY General International Agreement for academic cooperation between Michigan State University and University of Bologna	STATI UNITI D'AMERICA EAST LANSING, MICHIGAN	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	07/11/2022 06/11/2027
179954	US 0263	University of Georgia Accordo di settore tra DISTAL e University of Georgia	STATI UNITI D'AMERICA ATHENS	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	27/05/2024 26/05/2029
183592	UZ 0015	Agreement of cooperation between DISTAL and the Samarkand State University Agreement of cooperation between DISTAL and the Samarkand State University	UZBEKISTAN SAMARKAND CITY	Dipartimento di Scienze e Tecnologie Agro- Alimentari	Accordi di settore	20/04/2024 19/04/2029

DISTAL

25 Active sector agreements



Samarkand - June 2022

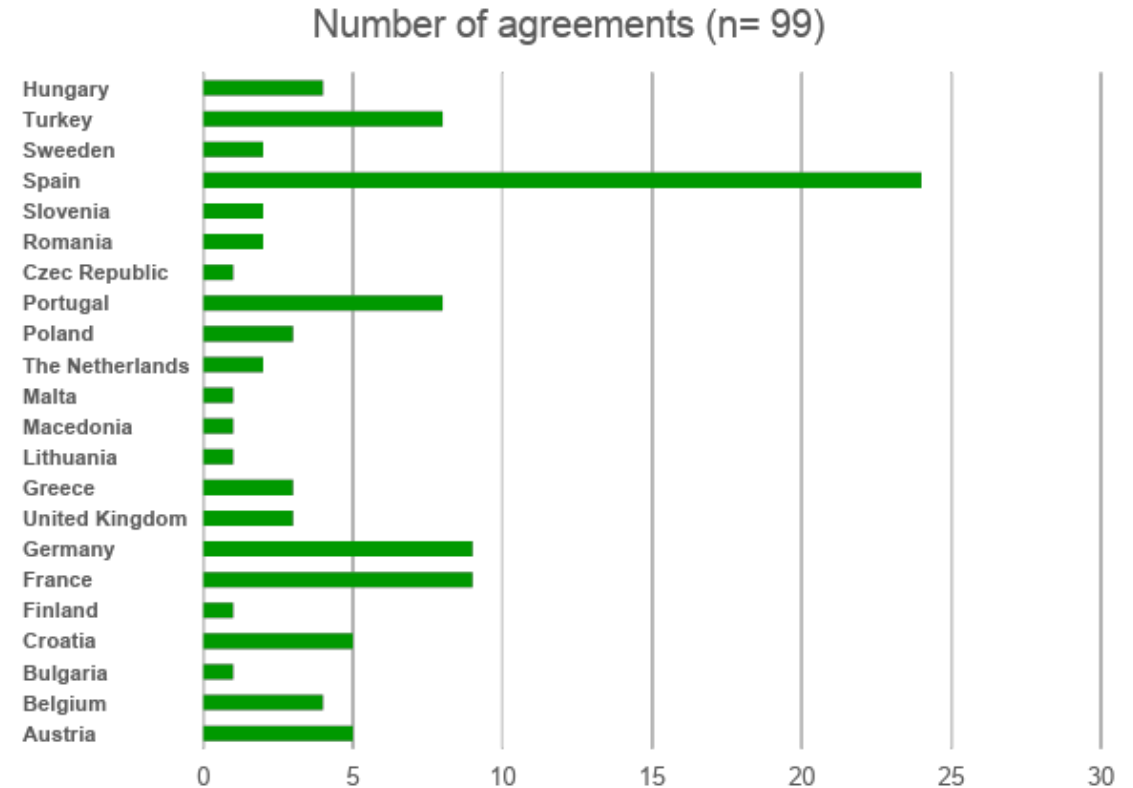


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INTERNATIONAL MOBILITY WITHIN THE ERASMUS+ PROGRAMME

A.Y.	No. active Erasmus+ agreements
2019/2020	49
2020/2021	35
2021/2022	67
2022/2023	62

International agreements with at least one incoming or outgoing mobility of students or staff in indicated academic years (A.Y.)



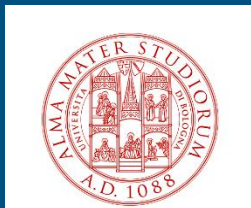
Bilateral agreements for Erasmus+ programme KA1, mobility for students and staffs

OUR INTEREST IN UZBECHISTAN and in the HEMUA PROJECT

- **2009** → Prof. Bruno Marangoni led a team of agronomists from UNIBO to study of modern and past agro-technologies in the Samarkand region
- **2010** → bachelor thesis on viticulture in the Samarkand region - Michele Bonvicini, DISTAL-UNIBO
- **September 2017** → Moreno Toselli and Diana Di Gioia were invited to celebrate the 90th Anniversary of the Samarkand State University foundation. A sector agreement in agricultural disciplines was discussed (signed in **December 2017** and renewed in **2022**).
- **February 2020** → the **SHARQ** project started within the framework of “**Innovative Projects in International Cooperation**” of the **University of Bologna**
 - **May 2022: Summer School in Samarkand (ENVIRONMENT AND ARCHAEOLOGY: LINKING THE PAST AND THE FUTURE FOR A SUSTAINABLE DEVELOPMENT OF THE SAMARKAND TERRITORY)**
 - **October 2022: visit of the Samarkand delegation to Bologna**
- **2023** → Two professors from DISTAL (including Elena Baldi) were hosted by Samarkand State University for teaching
- **2023** → the Erasmus+ **International Credit Mobility (ICM)** program (Key Action 1, Learning mobility for higher education students and staff) involving DISTAL and Samarkand State University was approved. Mobility of 4 Uzbekistan students, 2 PhD students and 1 professor to UNIBO, along with 3 teaching staff members moving from UNIBO to SamSU (mobility already implemented by Daniele Alberoni)
- **2025** → **HEMUA**

Samarkand, 2017





ALMA MATER STUDIORUM
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DIPARTIMENTO DI
SCIENZE E TECNOLOGIE AGRICOLE ALIMENTARI

SHARQ



“ENVIRONMENT AND ARCHAEOLOGY: LINKING THE PAST AND THE FUTURE FOR A SUSTAINABLE DEVELOPMENT OF THE SAMARKAND TERRITORY”

Moreno Toselli, Diana Di Gioia

Department of Agricultural and Food Science (DISTAL), University of Bologna (UNIBO)

Simone Mantellini, Antonio Curci

Department of History and Cultures (DISCI), University of Bologna (UNIBO)



Samarkand, 2022

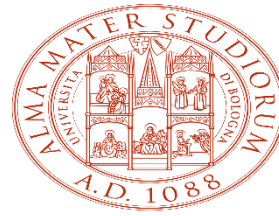


Samarkand,
2022



Samarkand,
2022





ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Diana Di Gioia

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