



*National Programme European  
Scientific Networks Ministry of  
Education and Science of Bulgaria*

# CAPBIO4BG

## Kick-off meeting - UNIBO



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

UNIBO (Walter Zegada Lizarazu)

# University of Bologna (UNIBO)



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

1. The Studium in Bologna is the first home of free teaching, independent from ecclesiastic schools and is **dated back in 1088**. Irnerio's **law school** marks the birth of Western universities.
2. UNIBO **today** is composed by **5 schools** (Arts, Humanities, and Cultural Heritage; Economics and Management; Engineering; Medicine; Science) and **32 departments**.
3. UNIBO enrolls annually about **88K students** and it's one of the largest Italian University.



# University of Bologna (UNIBO)



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## 4. ALMA MATER ADOPTION OF THE UN 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

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





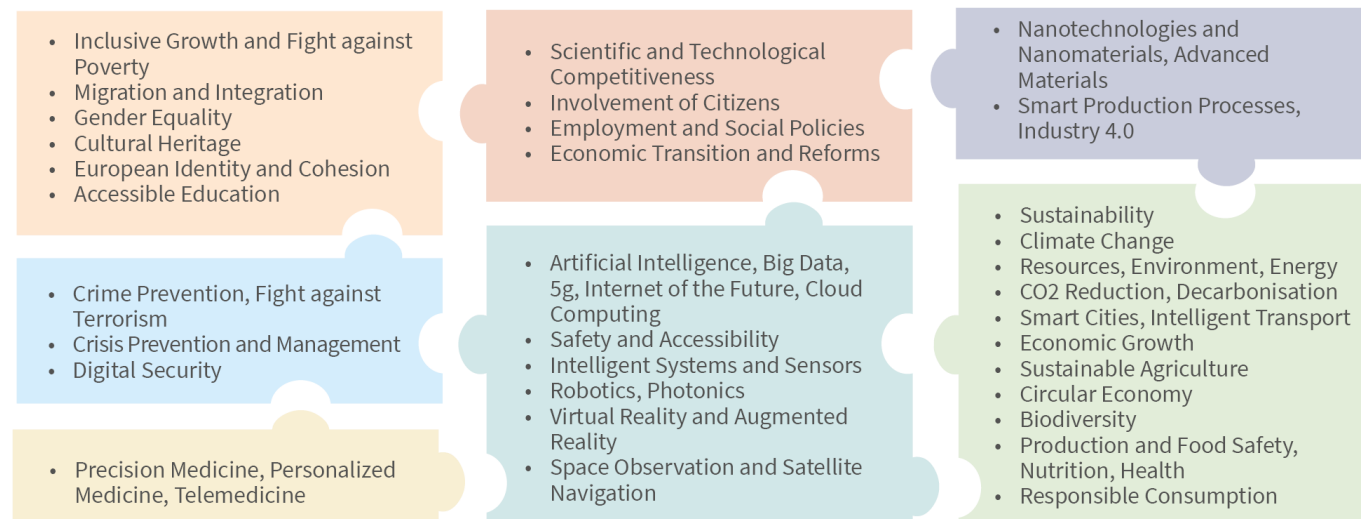
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## 4. ALMA MATER ADOPTION OF THE UN 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT

Additionally, in order to monitor systematically the impact of the various University activities in terms of their sustainability, commencing from 2016 the University has adopted an additional annual reporting tool (Report on U.N. Sustainable Development Goals), which outlines the direct and indirect impact of the University of Bologna in terms of **education, research, third mission, and institution**, with a view to contributing to the pursuit of the 17 Sustainable Development Goals proposed by the UN.

5. 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.





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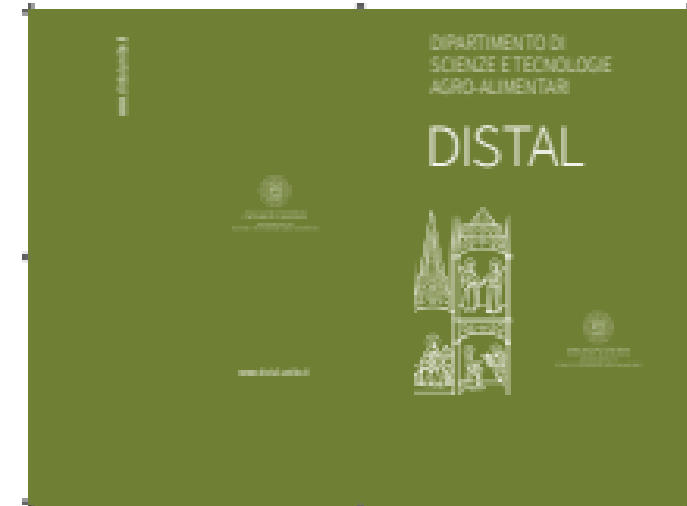
# Expertise

/related also to the CAPBIO4BG/

The department of Agricultural and Food Sciences (**DISTAL**) is the largest in the whole UNIBO enrolling about **150 academic staff** and about **100** between technician and administrative staff.

Degrees awarded: BSc (1644 -7), MSc (723-6), PhD (110-1)

DISTAL is participating to more than **30 H2020 projects** and in **9 is the coordinator**, being able to gather about 16M€ from the H2020 framework program.







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# Partner research and education staff /involved also in CAPBIO4BG/

In CAPBIO4BG, UNIBO (DISTAL) will be represented by **Prof. Andrea Monti** (full professor; team leader) and **Dr. Walter Zegada Lizarazu**. The team is composed by 2 assistant professors, 6 researchers, a technician and administrative support who will take care of the project management.

The group of Prof. Monti owns a long time experience in research and leadership in **crop production, sustainable agricultural systems and environment, crop physiology**. The mission is to foster the adoption of profitable, environmentally sound, and socially responsive agricultural systems for **biofuels, biorefinery and biobased applications**, covering expertise in several herbaceous species, such as lignocellulosic, fiber, oilseed and multi-purpose crops.

UNIBO will participate in the activities carried out within **pillars 1 and 2 (biomass production, bio-refinery & conversion)** transferring their knowledge and expertise.



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# Training and Research infrastructure

## Postgraduate Master:

- Bioeconomy in the Circular Economy
- International Agricultural Engineering
- Law and Food Safety
- Low Carbon Technologies and Sustainable Chemistry
- Food safety and food risk management
- International Horticultural Science

## Summer school:

- Bioinformatics

## Tailor made:

- Workshops/seminars/ tailor made trainings/summer schools at residential or distance learning level

## Infrastructure:

UNIBO owns several facilities and land properties for research purposes:

- The **Cadriano farm** (40 ha) equipped for experimental farming practices. In addition, greenhouses, storehouses, lysimeters and field laboratories complete the equipment.
- The **Ozzano farm** (280 ha) is in a hilly area (altitude from 75 to 280 m asl).
- Laboratories equipped with modern and updated analytical tools.
- Several greenhouses, growth chambers simulating a wide range of climatic conditions and refrigerated rooms are available.



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# Programmes and Projects

## **Coordination:**

- BECOOL
- 4CE-MED
- ARGENTO
- EERA-Bioenergy (European Energy Research Alliance)

## **Participation:**

- COSMOS
- Magic
- National Technological Cluster on Green Chemistry (SPRING)