



UNIVERSITÀ
DEGLI STUDI
DI MILANO

Master's degree programme in
**Global environment and
development**

FACOLTÀ DI

Scienze Agrarie e Alimentari

Global Environment and Development (MERGED) is an Erasmus Mundus Joint Master, taught in English and jointly hosted by three Universities: University of Milano, University of Warsaw (Poland), University of Copenhagen (Denmark).

Applications and admissions

Limited enrolment.

Admission requirements

The MERGED Master's program welcomes students from diverse backgrounds. Your three-year degree, regardless of discipline, can be your springboard to this dynamic, interdisciplinary program. Our strength lies in the unique perspectives brought by students from various academic fields.

For graduates from Italian universities, the following degree classes are considered eligible: L-2 (Biotechnology), L-13 (Biological Sciences), L-18 (Economics and Business Management), L-21 (Sciences of territorial, urban, landscape and environmental planning), L-25 (Agricultural and forestry sciences and technologies), L-26 (Agri-food sciences and technologies), L-32 (Sciences and technologies for the environment and nature), L-36 (Political sciences and international relations), L-37 (Social sciences for cooperation, development and peace), L-38 (Zootechnical sciences and animal production technologies). Students from different Italian degrees can access if they have acquired at least 60 ECTS in specific disciplinary scientific sector.

For students coming from foreign universities, the following disciplinary areas are considered eligible: Agriculture, Agronomy, Agrobiology, Agricultural Economics, Forestry, Animal Science, Biochemistry, Biology, Biotechnology, Food and Nutrition, Food Science, Geography, Geology, Geoinformatics, Landscape Architecture, Natural Resources, Anthropology, Psychology, Sociology, Development Studies, Rural Development, Economics, Interdisciplinary Economic-managerial studies, Environmental Science, Natural Science.

To thrive in this program, you'll need English proficiency equivalent to the C1 level of the Common European Framework of Reference (CEFR). You can also show us your English skills in two ways: Degree in English: Have you completed a Bachelor's or Master's degree taught entirely in English from Australia, Canada, Ireland, New Zealand, the United Kingdom, or the USA? Upload a copy of your official diploma (minimum 2 years of study; exchange programs don't qualify). English Language Test: to know more about which are the accepted language tests and the minimum score, please read the "Language requirements" page at www.merged.info.

We carefully review all applications to ensure a strong fit for the MERGED program. Here's what we consider:

Academic Background: Submit your transcript/curriculum vitae to showcase your academic journey.

Motivation Letter: Share your passion and reasons for pursuing MERGED.

References (Optional): Add letters of recommendation for additional insights.

MERGED offers to the international students the possibility of obtaining a Language Certificate in Italian, following a course organized by the University of Milano and worth 3 ECTS.

Objectives

The MERGED program equips you to:

- **Become a Global Changemaker:** Identify key challenges in resource management across the world, and develop innovative solutions that promote economic, environmental, and social well-being.
- **Thrive in Diverse Careers:** Gain the skills and knowledge to excel in private and public sectors, NGOs, government, and research institutions.
- **Be a Digital Leader:** Master the digital tools needed to drive progress in sustainable development.

Through interdisciplinary and disciplinary, multicultural real-life experiences and laboratory experiments, students will learn to identify, analyse, understand, and forecast complex systems. All MERGED students study the first year at the University of Copenhagen (Denmark). The second year is based on two curricula: in Agricultural Development (at the University of Milano) or in Sustainable Environmental Development (at the University of Warsaw, Poland).

Career prospects

Graduates of the MERGED program are in high demand across various sectors:

- **Green & Bioeconomy Leaders:** Shape sustainable practices in companies and organizations worldwide.
- **Environmental Consultants:** Conduct territorial analyses, assess agricultural impacts, and manage resources in rural environments.
- **Policy Champions:** Drive positive change in public administration, local bodies, and supranational organizations.
- **Research Innovators:** Pursue impactful research careers at universities and research institutes (in Italy, such as CNR, ENEA, CREA, State Technical Services, National and Regional Agencies and Bodies for the Environment and the Territory, Parks and Protected Areas, Watershed Authority, Technical Services and Regional, Provincial and Municipal Departments, Land Reclamation and Irrigation Consortia, Mountain Communities and Mountain Watershed Consortia).
- **Global NGO Experts:** Understand and design the development of agricultural systems even under conditions of climate change.

With a MERGED degree, you can pursue impactful careers in:

- **Private Sector:** Design and manage programs that bridge the gap between agricultural practices and environmental sustainability.
- **Public Sector:** Advise government agencies on environmental and territorial policies, focusing on sustainable agriculture and land management..

MERGED graduates can disseminate, within institutions, the principles of environmental sustainability, promote a culture oriented towards safety and the protection of the agricultural environment, also through the awareness of public opinion.

The master's degrees of the LM-69 class allow to obtain the qualification for the profession of doctor of agronomy which can be accessed after a qualifying exam.

Syllabus

I year (University of Copenhagen)

LEARNING ACTIVITIES	ECTS
Global challenges in environment and development	8
Practicing interdisciplinarity: field research on the environment	15
Quantitative and qualitative methods in environment and development	7
Elective teachings at University of Copenhagen for the mobility track Agricultural Development: choose 30 ects	
- Advanced Crop Production	8
- Agricultural value chains in developing countries	7
- Agroforestry	8
- Applied Insect Ecology and Biological Control	7
- Applied statistics	7
- Climate change and land use	7
- Climate Management in Plant Production and Research	8
- Entrepreneurship and innovation	7
- Environmental impact assessment	8
- Global environmental governance	7
- Land use and environmental modelling	7
- Plant ecophysiology in a changing climate	7
- Plant genome editing and selection	7
- Plant Nutrition and Soil Fertility	8
- Tropical Crop Production	7
- Tropical forest restoration	7

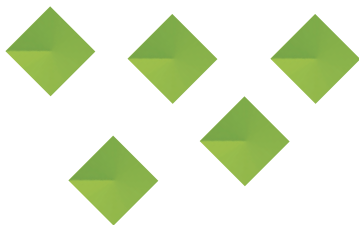
II year (University of Milano)

LEARNING ACTIVITIES	ECTS
Laboratory in sustainability of agricultural mechanization	6
Laboratory in sustainability of livestock systems	7
Laboratory in sustainability of water management	6
Practical/experimental intership	17
Elective teachings - Agricultural systems and soil science - Bioeconomy: management, assesment and intellectual property - Environmental plant biotechnology - International cooperation and crop-livestock systems - Land planning and life cycle assestment - Natural resource economics - Plant as biofactories - Statistical methods for the environmental research	6
8 credits free-choice courses, including 3 ECTS from the intra-semester workshop	8
Thesis and Final exam	27

II year (University of Warsaw)

LEARNING ACTIVITIES	ECTS
Global problems in the contemporary world	5
Emerging sustainable development law	5
Sustainable development economics	4
Measuring, evaluating, reporting sustainability and innovation	5
Elective teachings	11
Thesis and Final exam	27

INFO




 **Disciplinary classification:** Agriculture (LM-69)

 **Duration:** 2 years (120 ects)

 **Attendance:** Strongly recommended

 **Location:**
- via Celoria, 2 - Milan

 **Websites:**
merged.info
<https://www.unimi.it/en/education/master-programme/global-environment-and-development>



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