JUNIA
SCIENCE AND TECHNOLOGY
FOR A SUSTAINABLE FUTURE

Erasmus Blended Intensive programme
"Livestock production systems across Europe"

Target audience: student of Bsc3, M1, M2 in agriculture/animal sciences or equivalent.
Language: English
Location: JUNIA, Lille, France
Credits : 3 ECTS (evaluation = group work)
Dates of physical mobility: 5/04/2027-9/04/2027
Dates of virtual mobility: before the physical mobility: 11, 17 19, 24 or 25/03 (to be decided amongst partners)

Presentation and objectives

JUNIA is a French graduate school within the Université Catholique de Lille, with teaching focused on science and engineering, and on ecological, digital, and technological transitions. This BIP will bring together 25–30 students from JUNIA (host institution) and **2–3 European partner universities**, fostering international collaboration and intercultural exchange.
The specific objectives of the programme are to:

- Explore the diversity of animal farming systems across Europe, with particular attention to the environmental, economic, and social dimensions of livestock production.
- Develop students' knowledge of sustainable animal production practices, animal welfare standards, and innovative technologies applied to livestock farming.
- Promote comparative analysis of farming systems in different European regions, highlighting challenges and opportunities related to climate change, resource efficiency, and food security.
- Strengthen interdisciplinary and intercultural competencies through collaborative learning and teamwork among students from different academic and cultural backgrounds.
- Enhance students' understanding of European policies and regulations governing animal production, food quality, and sustainability.
- Improve technical language of the students, both in English and local language.
- strengthen relationships between the hosting and the partner institutions.

Outcomes

After completion of the programme, participants will be able to:

- Describe and compare different animal farming and production systems applied in France, Italy, Sweden, and other European countries.
- Evaluate the sustainability of livestock production systems using environmental, economic, and welfare indicators.

- Identify innovative technologies and management strategies that contribute to improving productivity, animal health, and resource efficiency.
- Analyse current challenges affecting the livestock sector, including climate change adaptation, biodiversity conservation, animal welfare, and market competitiveness.
- Collaborate effectively in multicultural and multidisciplinary teams to address complex issues related to animal farming and food production.
- Communicate scientific and technical information clearly through oral presentations and group discussions.
- Propose practical and evidence-based solutions to enhance the sustainability and resilience of animal production systems.

Methods

Virtual component:

The programme will adopt a blended learning approach combining virtual and physical mobility components. Prior to the physical meeting in France, students will participate in online activities including presentation of the different institutions, program of the BIP and launch of the group activities that will be performed during the mobility.

Physical mobility in Lille, France :

The physical mobility phase, hosted by the French partner institution, will focus on interactive and experiential learning activities, including:

- Introductory lectures delivered by academic staff from the partner universities in animal science, livestock production, and sustainability.
- Visits to commercial farms and agricultural enterprises representing different animal production systems: practical sessions and demonstrations on animal management, welfare assessment, and innovative farming technologies.
- International group work addressing specific challenges related to sustainable animal production.
- Student presentations and peer-learning sessions to facilitate knowledge exchange among participants.
- Ice breaker and social activities

Throughout the programme, students will work in multinational teams to develop a project focused on improving the sustainability and efficiency of animal production systems. The final project results will be presented during a concluding session and evaluated by academic staff from the participating universities.

The programme will emphasize active participation, collaborative learning, intercultural dialogue, and the integration of scientific knowledge with practical applications, thereby contributing to the development of future professionals capable of addressing the challenges facing European animal farming and production systems.

JUNIA
SCIENCE AND TECHNOLOGY
FOR A SUSTAINABLE FUTURE

Estimated program

Date	Activity	Modality
11, 17 19, 24 or 25/03 (to be decided amongst partners) 2h- 3h	Icebreaker - presentation of the institutions - program - launch preparatory group work (guidelines + groups)	Virtual session
5/04	Icebreaker Seminar by academics: livestock systems in your country Group work	Seminar + group work
6/04 – 7/04 – 8/04	Discovering livestock system in the north of France: cattle, sheep, poultry	Farm visits
9:04	How to : sustainable livestock systems in Europe	Group work + group presentation
+ Program of social activities		