



## Specialisation Management

Master's programme:

# SUSTAINABLE AGRI-FOOD VALUE CHAINS: LOGISTICS, ENVIRONMENT, STRATEGIES (CDVALES)

Joint accreditation with the University of Montpellier - Montpellier Management (MOMA) and L'Institut Agro Montpellier



## OBJECTIVE

This programme is a postgraduate course designed for holders of a university degree with at least four years of higher education (M1 or engineering degree) and with initial training and/or professional experience in the field of agricultural and rural development (agronomy/agriculture, economics).

Within the current context of ecological, food and social transition, agri-food value chains, which form the food system, are evolving towards innovative and more sustainable economic models. The challenge for the actors of agro-food value chains is to reconcile economic, social and environmental performance.

Mobilising multidisciplinary approaches, this professional training programme targets the acquisition and command of theoretical concepts, analysis and sustainability evaluation methods, and their application to professional situations. These skills are developed with the aim of understanding and analysing: i) the changes in the socio-institutional environment, ii) stakeholder behaviours and strategies, iii) modes of stakeholder organisation and coordination from upstream to downstream, from production (agricultural, raw materials), processing and distribution to the end consumer, iv) the evaluation of performance and value creation v) and the role of logistics as a cross-cutting strategic function of supply chains. The objective is to train and specialise future executives and project managers in the management and coordination of value and supply chains, from farm to fork to support the ecological transition of agro-food chains.

### The course teaches:

- **Knowledge:** analysing food systems and agri-food value chains; observing and analysing stakeholder environments; assessing the sustainability of agri-food sectors and supply chains; familiarity with the national and international regulations that form the socio-institutional framework for value chains, specialising in the management and coordination of supply chains.
- **Know-how:**
  - Drawing up a strategic diagnosis of a value chain
  - Ability to interface technical and socio-economic aspects
  - Develop a diagnosis and model logistics optimisation plans
  - Mobilise environmental and economic performance evaluation indicators for decision support
- **Soft skills:** working and communicating in a multidisciplinary and multicultural team, developing analytical rigour and a sense of responsibility, respecting scientific and ethical integrity.

## ORGANISATION

**Master 2 (Baccalaureat +5 years)**

**Nine modules** **30 ECTS**

**Internship and dissertation** **30 ECTS**

The training is organised by the CIHEAM Montpellier, in partnership with the University of Montpellier – MOMA and L'Institut Agro Montpellier.

**Master of Science (Baccalaureat +6 years)**

**Master of Science thesis** **60 ECTS**

## ADMISSION CRITERIA

The course is open to economists, agronomists, geographers and ecologists who want to specialise in economics.

The admission level is at least Baccalaureate +4 or a level allowing access to postgraduate studies. Prerequisites in economics are required.

## TRAINING COST

Applicants coming from a CIHEAM member country\* are excluded from tuition fees (3 527 €) and are subject only to registration costs (243 €).

## SCHOLARSHIPS

Scholarships are available for candidates from CIHEAM member countries\* to cover subsistence and training costs

## APPLICATION

Application files are to be submitted online (<https://apply.iamm.ciheam.org/>) **before 29<sup>th</sup> March 2024**.

## DEGREES

**Master 2** delivered by the CIHEAM Montpellier and the University of Montpellier

**Master of Science** from the CIHEAM

\* Albania, Algeria, Egypt, France, Greece, Italy, Lebanon, Malta, Morocco, Portugal, Spain, Tunisia, Turkey.

## MASTER 2 PROGRAMME (60 ECTS)

### Prerequisites (September)

#### Module 1: Stakes, challenges and stakeholders of the ecological transition and the circular economy (September-December)

- Principles and concepts of sustainable development
- The interest of a multidisciplinary approach to the ecological transition
- Methodological approaches and benefits of the circular economy

#### Module 2: Agri-food value chains and sustainability: concepts and methods (September-October)

- Coordination and management of agri-food value chains, and the transition towards environmental and social sustainability
- Methods of sector analysis and stakeholder strategies: theoretical contributions from industrial economics and circular economy

#### Module 3: Technical aspects of logistics, innovations, sustainability and cost management (October-November)

- Understanding the logistics function as a strategic function of the company
- Familiarisation with information systems and data processing methods
- Learning methods to analyse logistics costs and economic and environmental performance indicators

#### Module 4: Regulations, social responsibility standards for logistics and the environment (November-December)

- Learning about the conventions, contracts and standards governing international logistics
- Familiarisation with the regulatory frameworks relating to the energy and ecological transition, applied to logistics at different scales (territorial, urban, etc.).
- Understanding national and international regulations for social responsibility in favour of sustainable development, the circular economy and the fight against food wastage

#### Module 5: Distribution and supply chain management (December-January)

- Understanding the functioning of distribution channels, the role of stakeholders and coordination arrangements
- Understanding the challenges of digitalisation

- Learning supply methods for optimised and sustainable flow management
- Learning the basics of waste management in agri-food supply chains

#### Module 6: Company organisation, human resources management and corporate social responsibility (January-February)

- Understanding the process, tools and main models for the strategic analysis of organisations
- Understanding the stakes of human resources management and corporate social responsibility
- Acquiring team management skills

#### Module 7: International trade and marketing (February-March)

- Learning the basics of marketing associated with creation of value for the company
- Understanding the stakes of a distribution policy and an international communication strategy
- Identifying the strategic behaviours of companies for products obtained by sustainable production processes
- Familiarisation with quality signs, standards and international sustainability certifications.

#### Module 8: Research methods in social science (October-March)

- Formulation of a scientific approach
- Training in scientific documentary research

#### Module 9: English language course (October - March)

Oral and written expression adapted to an academic and/or professional context

#### Internship project (March)

Preparation of a research project to structure the different aspects of the individual internship: fieldwork and analysis.

#### Individual internship in a professional situation, writing and defending of the M2 dissertation (April - September)

## MASTER of science (60 ECTS)

### CIHEAM Master of Science thesis

Writing and presentation.

### COORDINATORS

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