



Master in Climate Change and Sustainable Development (MCCDD)



Training area: Agricultural sciences

Course: Environment, Agriculture

Specialties: Climate Change

Purpose: Professional

Grade: Master

Duration of training: 2 semesters

Training venue: AGRHYMET Regional Centre. Niamey (Niger)

BACKGROUND

Climate change (CC) is a major challenge for the economic and social development of sub-Saharan African countries. These countries are particularly vulnerable, as their economies are based on local natural resources which are highly climate sensitive. What's more, these countries are less prepared to cope with the consequences of climate change and variability. Yet climate change is a long-term problem, the effects of which are not just an environmental problem today, but also a sustainable development (SD) issue.

This master's degree will thus foster the emergence of managers capable of implementing priority adaptation and mitigation actions to cope with climate change.

OBJECTIVE

The aim of the Master's degree in CCDD is to train high-level executives who will be able, on the one hand, to enhance and capitalize on knowledge of climate science for studies of vulnerability, impact and adaptation to climate change (CC), and on the other hand, to integrate the CC dimension into action plans, programs and regional, national and local development strategies. The master's degree also aims to train high-level executives who will be able to help countries actively participate in intergovernmental debates on climate change.

For further information, please contact:
AGRHYMET Regional Centre

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OUTLETS

Specialist in agriculture, environment, climate change adaptation and mitigation projects, in private sector, NGOs, international opportunities: United Nations systems and cooperation agencies, climate negotiation specialist.

TARGET GROUP

The target group will consist of:

- West African executives from the CILSS/ECOWAS/UEMOA region working in State services, the broader public sector, private sector, civil society and NGOs, having a professional experience in food security;
- Other African executives working in the same sectors;
- Young graduates in the area of rural development.

PREREQUISITES:

- Required level: bac + 4/engineering or equivalent
- Knowledge of agronomy, geography, rural economy, field experience in projects related to climate change, etc.

TRAINING PROGRAM

Course credits	
Semester 1	Semester 2
STG 2301: Statistics and Geomatics	MEM 2401: Thesis
VCC 2302: Science of Climate change (CC) and Variability	
EDD 2303: Sustainable Development	
GNC 2304: Climate Governance and Negotiations	
AAC 2305: Adapting agriculture to CC	
ATC 2306: CC mitigation in the AFOLU sector	
ANV 2307: Vulnerability Analysis	
ICC 2308: Sectoral Impacts of Climate Change	
COM 2309: Communication	

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