

Climate Change Agriculture: Strategies for Resilience

2027 0000 7 - 3
Barcelona (Spain)

UK Traininig

PARTNER



Climate Change Agriculture: Strategies for Resilience

~~R20222487_200763~~ ~~2022~~ ~~200763~~ ~~Calendar~~ ~~Barcelona (Spain)~~ ~~Fees: 5900 GBP~~

Course Description

This comprehensive 5-day course explores the critical intersection of climate change and agriculture. Participants will gain in-depth knowledge of climate change impacts on food systems, learn adaptive strategies and climate-smart agricultural practices, and develop skills to implement resilient farming approaches. The course combines theoretical foundations with practical applications to equip professionals with tools to address the challenges of sustainable food production in a changing climate.

Learning Objectives

- Understand the science of climate change and its impacts on agricultural systems
- Analyze vulnerabilities in current farming practices and identify adaptation strategies
- Learn climate-smart agricultural techniques and technologies
- Explore policy frameworks and economic aspects of climate-resilient agriculture
- Develop skills to design and implement sustainable, climate-adaptive farming systems

Course Modules

Day 1: Climate Change and Agriculture Fundamentals

- Introduction to climate change science
- Climate change impacts on agriculture and food security
- Vulnerability assessment of agricultural systems
- Overview of climate-smart agriculture CSA approach

Day 2: Adaptation Strategies in Agriculture

- Crop adaptation techniques drought-resistant varieties, altered planting dates
- Water management and conservation practices
- Soil health and conservation agriculture
- Diversification and agroforestry systems

Day 3: Mitigation Approaches and Technologies

- Greenhouse gas emissions in agriculture
- Carbon sequestration in agricultural soils
- Renewable energy integration in farming
- Precision agriculture and smart farming technologies

UK Training

PARTNER



Day 4: Policy and Economic Aspects

- Climate change policies affecting agriculture
- Economic implications of climate change on farming
- Incentives and financing for climate-smart agriculture
- Case studies of successful policy interventions

Day 5: Implementing Climate-Resilient Agriculture

- Designing climate-resilient farming systems
- Participatory approaches and farmer engagement
- Monitoring and evaluation of adaptation strategies
- Action planning for participants' local contexts

Practical Wins for Participants

- Ability to conduct climate vulnerability assessments for agricultural systems
- Skills to design and implement climate-smart agricultural practices
- Knowledge to engage with policy frameworks and access climate finance
- Capacity to develop actionable climate resilience plans for local agricultural contexts

UK Training

PARTNER

