

Water Management Mastery and Sustainable Solutions

Baku (Azerbaijan)

7 - 18 July 2025

UK Training

PARTNER



Water Management Mastery and Sustainable Solutions

Code: PS28 From: 7 - 18 July 2025 City: Baku (Azerbaijan) Fees: 7400 Pound

Introduction

Water is a vital and limited resource that is essential for sustaining human life, supporting ecosystems, and driving economic development. However, increasing demands, pollution, and climate change are putting significant pressure on water resources globally. Integrated Water Resource Management IWRM is a holistic approach that seeks to manage water resources in a sustainable and equitable manner, balancing the needs of different stakeholders and sectors.

This course will provide participants with a comprehensive understanding of IWRM principles, strategies, and best practices, with a particular emphasis on water conservation projects that can support production economy growth. The course will cover topics such as water resource assessment, demand management, water-efficient technologies, policy and governance frameworks, and stakeholder engagement.

Objectives

- Understand the core principles and concepts of Integrated Water Resource Management IWRM.
- Explore the challenges and opportunities associated with water resource management, with a focus on production economy growth.
- Learn about the latest technologies, strategies, and best practices for water conservation and efficient water use in various sectors, including agriculture, industry, and urban areas.
- Develop skills in assessing water resource availability, mapping water demand, and designing and implementing water conservation projects.
- Examine the role of policy, governance, and stakeholder engagement in promoting sustainable water management.
- Gain practical experience through case studies, hands-on activities, and group projects.

Course Outlines

Day 1

Introduction to Integrated Water Resource Management IWRM

- Principles and concepts of IWRM
- Global water challenges and the need for integrated management

Day 2

Water Resource Assessment and Mapping

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- Hydrological cycle and water resource availability
- Techniques for water resource assessment and monitoring

Day 3

Water Demand Management

- Understanding water demand patterns in different sectors
- Strategies for reducing water consumption and improving efficiency

Day 4

Water-Efficient Technologies and Practices

- Water-saving technologies in agriculture, industry, and urban areas
- Innovative approaches to water reuse and recycling

Day 5

Water Policy and Governance Frameworks

- International and national water management policies
- Institutional Arrangements and Stakeholder engagement

Day 6

Water Conservation Projects for Production Economy Growth

- Case studies of successful water conservation projects in various industries
- Integrating water management into production planning and decision-making

Day 7-9

Group Project Development and Presentations

- Participants work in teams to design water conservation projects tailored to specific production economy contexts
- Presentations and peer feedback

Day 10

Wrap-up and Future Directions

- Lessons learned and best practices for implementing IWRM
- Emerging trends and future challenges in water resource management

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