

Mitigation and Adaptation Strategies for Climate Change in Water Production, Distribution, and Use	
Title	Mitigation and Adaptation Strategies for Climate Change in Water Production, Distribution, and Use
Subjects treated	This course aims to provide an integrated view of current trends in climate change mitigation and adaptation concerning water resources within the MAC-CLIMA cooperation space. It delves into the effects of climate change drivers on water resources and the primary infrastructures shaping the industrial water cycle. Additionally, the course explores concepts of vulnerability, exposure, sensitivity, adaptive capacity, and maladaptation, showcasing various examples of key trends, areas, and action lines for mitigation and adaptation in the water resources sector. These insights are expected to inspire students as they define their strategies.
Estimated time of dedication	30 hours
Duration	27/10/2025 - 26/11/2025 4,5 weeks
Type of training	The ITC's distance learning platform utilizes Moodle as a learning tool, known for its interactive, flexible, and user-friendly approach. Participants supplement their learning journey through forum usage and interactions with the tutor.
Addressed to	Technical staff from the Public Administration (local, island, and regional, or affiliated companies), Primary and Secondary Education teachers, University professors, and communication professionals.
Desired requirements	Having completed the "Introduction to Climate Change" course, including previous editions, or having prior knowledge of the basic concepts of climate change.
Program	The course is organized into 8 assessable topics: - Unit 1. Climate change in the MAC-CLIMA project cooperation space and international, national, and local policies. - Unit 2. Water Resources and Climate Change. - Unit 3. Water Policies and Climate Change. - Unit 4. Urban Water Industrial Cycle. - Unit 5. Mitigation. - Unit 6. Mitigation Measures in the Water Sector. - Unit 7. Adaptation. Risk analysis and vulnerability. - Unit 8. Adaptation Strategies in the Water Sector. It also includes forums, bibliography, links, and other elements that complement the course.
Responsible entity	Instituto Tecnológico de Canarias (ITC)
Nº of students registered to launch the course	Min. 10 Máx. 30