



NewsLetter #5 15/1/2025

Climate Change impacts in Europe

On Tuesday, April 22, 2025, Dr. Ashraf Shaqdan conducted a workshop entitled "Climate Change Impacts in Europe." The workshop's objectives were: to raise environmental awareness among engineering students and familiarize them with the current and future impacts of climate change in Europe and the world, linking these impacts to sustainable engineering solutions; to integrate technology with climate simulation by providing students with hands-on training in using modern digital simulation tools and platforms; and to enhance students' teamwork skills, climate data analysis, and problem-solving abilities through interactive worksheets. Workshop Activities

A presentation by Dr. Ashraf Shaqdan on the dimensions of climate change and European policies for reducing emissions. A practical application using laptops, where students ran various climate scenarios (such as studying the impact of a temperature increase of +2.5°C and +3.3°C) on energy sources and emissions. Participants were divided into engineering working groups to complete practical exercises and interactive assessments, and to discuss the results achieved by each group. Expected and Achieved Outcomes: Acquiring academic knowledge, mastering climate forecasting tools, developing critical thinking, and formulating recommendations for improving sustainability.



Jordan is witnessing a decline in rain during the current season, which has raised widespread concern among citizens, experts, and farmers amid increasing challenges in light of the climate changes that have begun to cast a heavy shadow on the region, especially since the country is one of the poorest countries in the world in terms of water, according to global indicators.

Jordan relies heavily on rain to secure its water needs, whether for human consumption or agriculture, and with its continued absence, experts have sounded the alarm. September of each year is considered a transitional period from summer to winter, and its last days - usually - are not devoid of rain, which is not the case. season and even past seasons

The country is still under the influence of climate change, which means it will face an annual problem that requires exceptional measures. Talk about dams has become a worrying matter due to the scarcity of their supplies as a result of the decline and fluctuation of rainfall in recent years, even though they represent strategic importance for Jordan in terms of storing rain, given that it suffers from limited water resources.



<https://www.aljazeera.net/politics/2025/1/5/%D8%A7%D9%>

Europe has witnessed many devastating forest fires as a result of high temperatures and lack of rain. For example, forest fires in southern Europe, such as Spain, Portugal and Greece, have become more common.

Many European countries witnessed severe heat waves in the summer, such as those experienced by France and Germany. High temperatures affect human health and increase pressure on energy systems.

The winds that are blowing currently are known as "Santa Ana," and they are common in the fall and winter seasons in California, but this week they have reached an intensity unprecedented since 2011, according to meteorologists, with their speeds sometimes reaching 160 kilometers per hour.

Climate change greatly affects wildlife and ecosystems. Some plant and animal species are threatened with extinction or migration to other



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