

13. Climate Action



Scholarly Output:

22



International Collaboration:

4



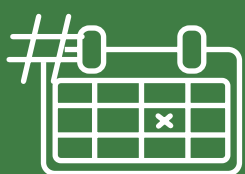
Field-weighted Citation Impact:

1.88



Number of Total Projects:

7



Number of Events:

8

1. Emissions

OzU has several applications to restrict its carbon footprint including the use of wind power and solar panels on all the non-green roofs, as well as a trigeneration system for heating and cooling. It has recently started using a web-based carbon footprint calculator and carbon management software that provides the capacity to measure, track, report and manage its carbon footprints based on the guidelines of “The Greenhouse Gas Protocol” Ozyegin calculates Scope One and Two Emissions; emissions intensity and emissions reductions, using 2018 as the base year. In 2021 total emissions demonstrated 34% decrease from the 2018 baseline (From 8891 tonnes CO₂ to 5905 tonnes Co₂).



2. Disaster Coordination Team

OzU, Ozyegin Foundation, Mother Child Education Foundation and Fiba Social Investments, which are within the Ozyegin ecosystem, have shown strong reflexes to heal the wounds of the victims, and have carried out long-term, inclusive studies to normalise life after disasters. After the Van earthquake in 2011 and Elazığ earthquakes in 2020, and finally after the fire disaster in Marmaris and Manavgat in 2021, observations were made in the field, meetings were organized with the authorities and local people, and material support was provided for the continuation of agricultural production. On the other hand, students from these regions participated in the high school summer schools and local and rural development certificate programs run by OzU with scholarships. A coordination team was formed to create permanent and functional mechanisms to deal with human-made disasters in a more organized manner. The ultimate goal of the team is to organize, strengthen and mobilize the institutional capacities, human resource competencies and external influence of Fiba Companies, OzU, Ozyegin Foundation and AÇEV for pre-disaster and post-disaster responses.

3. Collaboration with Caribbean Disaster Emergency Management Agency

OzU collaborates with Caribbean Disaster Emergency Management Agency to develop innovative approaches to improve the current regional repositioning network, considering logistical infrastructures and disaster risks. The research team is developing analytical tools to support the agency’s decision-making processes in the context of regional repositioning to better cope with the effects of strong weather events in the Caribbean.



4.

Sustainability HUB - Climate Action Society & Climate Ambassador

The Climate Action student club aims to contribute to the Climate Action Movement, educate students on the current climate situation, and work with talented national and international students on public speaking and social skills in order to develop its members' vision. The club represents Ozyegin University in Turkey and across the globe together with the Climate Action Unit at the University College London (UCL).

Our climate ambassador, International Finance student Vera Pöhrenk, attended the climate ambassadors workshop of the United Nations (UN) and the Ministry of Environment, Urbanization and Climate Change, representing the university. In this context, a youth declaration was written together with the Climate Ambassadors selected from other universities in Turkey, and in this declaration, the problems related to sustainability in Turkey and possible solutions were compiled. With the Social Awareness Club, activities such as garbage collection, sustainability marathon, training and seminars on climate change were held throughout the term.



5.

Entrepreneurship Factory BIGG Acceleration Program: Green Growth

OzU Entrepreneurship Factory, TÜBİTAK Individual Young Enterprise (BIGG) Acceleration Program and İşbank Workup came together to provide comprehensive support to BIGG entrepreneurs. With the Green Growth calls, which is the first thematic call published by TÜBİTAK, Entrepreneurship Factory supports entrepreneurs to work in thematic areas such as climate change, regulation of carbon emissions and greenhouse gas emissions, clean and circular economy, accessible and safe energy supply, sustainable agriculture from farm to table, and sustainable smart transportation and assists them in developing real world applications. OzU Energy, Environment and Economy Center Director Prof. Pınar Mengüç served as Chief Advisor for the Call for Green Growth with in the call period of 2022-1.



6.

Collaborative Prepositioning in Regional Humanitarian Networks

Prof. Dr. Burcu Balçık and her students have collaborated with the Emergency Supply Pre-positioning Strategy (ESUPS) to improve the efficiency of humanitarian supply chains using collaborative practices. This project is funded by TÜBİTAK 1002.

The project aims to investigate the effects of postponement (delaying the branding process of stocks) and stock sharing (sharing these unbranded stocks among agencies) strategies on post-disaster performance metrics such as demand fulfilment, response speed, and inventory utilization. A data-driven simulation model is developed to evaluate the benefits of the proposed strategies in a complex humanitarian supply chain network with multiple agencies and multiple countries. A data set of historical disasters in the Caribbean region as well as inventory and logistics data sets from ESUPS's partner humanitarian agencies (such as UNHRD, IFRC, STC, ACF, WHH, and USAID) are fed to this simulation model. The results of this project provide actionable insights and recommendations to humanitarian agencies. The results are shared with humanitarian agencies at the "Humanitarian Networks and Partnerships Week (HNPW) – 2022".