

13.3.2 Climate Action Plan, Shared

2023-2024

AASTMT's shared climate action plan emphasizes CO₂ emissions, greenhouse gas reduction, and mitigation pathways to counter global warming and climate change. It integrates strategies for reducing its carbon footprint, promoting low-carbon energy, and facilitating climate adaptation in collaboration with local governments and communities. The plan supports climate resilience, emissions reduction, and participatory climate governance. Through such a framework, AASTMT aligns institutional operations with regional efforts to monitor, model, and manage CO₂ emissions and greenhouse gas impacts in a changing global climate.

AASTMT Climate Action Plan_2024

The Arab Academy for Science, Technology and Maritime Transport (AASTMT) launched its Climate Action Plan 2024 as a comprehensive roadmap to achieve. The plan focuses on reducing greenhouse gas (GHG) emissions, lowering the carbon footprint of campus operations, and promoting climate change mitigation and adaptation strategies across all branches. Key priorities include implementing renewable energy systems, advancing energy efficiency initiatives, integrating climate resilience into campus infrastructure. The plan also supports climate-smart innovation, CO₂ emission tracking, and environmental impact assessment.



الأكاديمية العربية للعلوم والتكنولوجيا والنقل البحري
Arab Academy for Science, Technology & Maritime Transport

AASTMT Climate Action Plan 2024: Strategic Pathways to Sustainability and Carbon Reduction

1 Introduction

Purpose: This 2024 update reaffirms the Arab Academy for Science, Technology, and Maritime Transport's (AASTMT) commitment to climate action across operations, education, research, and community engagement. It aligns with AASTMT's documented interim and long-term emissions-reduction targets and maintains strict comparability with the published series by preserving the same scopes, boundaries, and methods.

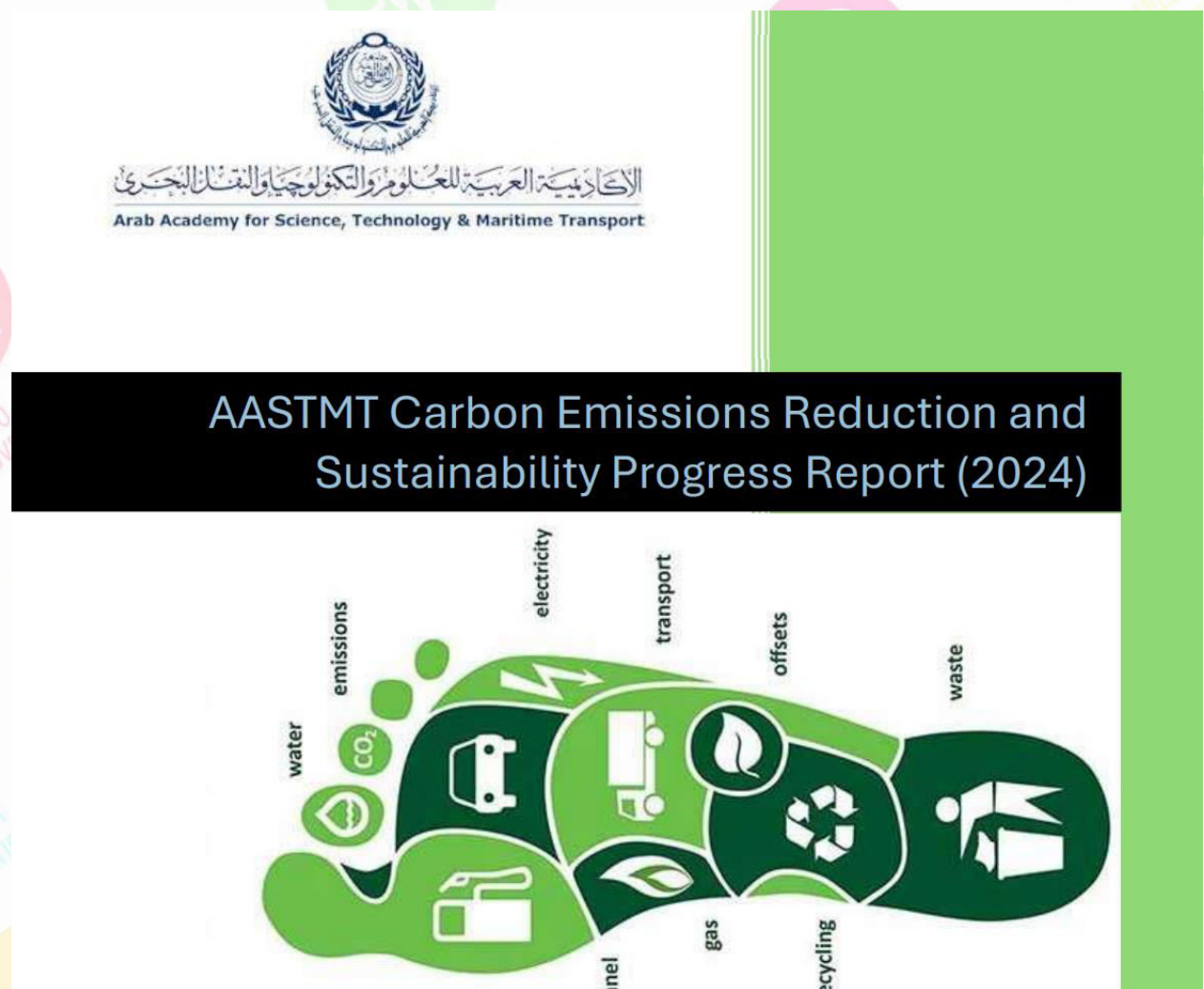
Vision: AASTMT's long-term objective is a **50% reduction in total carbon emissions by 2040 (vs. 2019)**. On energy, the Academy continues to advance on-site renewables and efficiency to meet the institutional waypoint of **~25% renewable electricity by 2025** and to support the longer-term **40% renewables by 2040** trajectory noted in the Plan.

2024 status (inventory through year-end 2024): Total emissions are **103,862,750 kg CO₂e**—a further **–3.0%** from 2023 and **–32.8%** below the 2019 base year (**154,594,380.99 kg CO₂e**).

[AASTMT Climate Action Plan 2024: Strategic Pathways to Sustainability](#) on AASTMT webpage

AASTMT Carbon Emissions Reduction and Sustainability Progress Report (2024)

This report, presents AASTMT's progress through 2024 towards reducing its carbon footprint and advancing sustainability goals. It tracks performance under Scopes 1, 2, and select Scope 3 emissions, benchmarked against prior baselines (2018–2021, 2022–2023), and aligns with the university's Climate Action Plan targets—≥ 30% reduction by 2025 and 50% by 2040. The document outlines key drivers of change, including renewable energy expansion, energy efficiency upgrades, waste management, procurement practices, and climate education. In 2024, AASTMT achieved a –3.0% reduction in total emissions from 2023 and –32.8% relative to the 2019 baseline, demonstrating sustained decarbonization momentum and strategic alignment with broader climate action and sustainability objectives.



[AASTMT Carbon Emissions Reduction and Sustainability Progress Report \(2024\)](#) on AASTMT webpage

INVOLVE Project Integration of Sustainable Development Goals in Universities for Better Climate Change Management

The INVOLVE Project aims to integrate sustainability and climate change management practices across universities in the Mediterranean region. AASTMT's role includes ecosystem-based climate adaptation and biodiversity conservation strategies as part of land and resource management education. The INVOLVE Project aims to integrate sustainability and climate change management practices across universities in the Mediterranean region. AASTMT's role includes ecosystem-based climate adaptation and biodiversity conservation strategies as part of land and resource management education.



AASTMT Research Projects


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PROJECT: INTEGRATION OF SUSTAINABLE DEVELOPMENT GOALS IN UNIVERSITIES FOR BETTER CLIMATE CHANGE MANAGEMENT "INVOLVE"


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[AASTMT INVOLVE Project Overview](#) on AASTMT webpage

AASTMT “Towards Egypt’s Energy Vision 2030” Workshop (12 February 2024)

The workshop was co-organized by AASTMT and national stakeholders, showing the Climate Action Plan is shared with local/national authorities (e.g., ministries, energy bodies). The event directly addressed decarbonization, electrification, and access, aligning with climate change mitigation, CO₂ reduction, and emission management — all core to SDG 13. Discussion of the Water–Energy–Food–Ecosystem (WEFE) nexus shows integration of land management, energy, and climate adaptation, which demonstrates cross-sectoral climate planning. The event was hosted at AASTMT and involved academic, government, and community stakeholders, proving the plan is not internal-only but shared with public and governmental partners.



[Towards Egypt's Energy Vision 2030](#) on AASTMT webpage

AASTMT Participation in the World Cities Day 2024 Celebration

On October 1, 2024, AASTMT participated in the World Cities Day 2024 celebration, emphasizing the importance of climate resilience, sustainable urban development, and carbon reduction strategies. The event brought together representatives from local government, community organizations, and academia to discuss climate change adaptation, environmental sustainability, and the transition toward low-carbon, climate-smart cities. AASTMT's participation reflects its commitment to collaborative climate action, emission mitigation, and capacity-building in alignment with SDG 13 (Climate Action) and SDG 11 (Sustainable Cities and Communities).



[AASTMT Participation in the World Cities Day 2024 celebration](#) on AASTMT webpage

International workshop — “Green Environment and Green Tourism” (World Environment Day activities)

June 2024 — Workshop focused on the role of green tourism in protecting the environment and promoting sustainability (educational/outreach content). Directly addresses green tourism, links tourism with environment protection (education/outreach). AASTMT, through collaborations with the German University of Rostock (TouMaLi Project), Life Makers Foundation (UniGreen Project), and partners from Cyprus and Greece (Green Med Project).



[AASTMT participate in international workshop in green Environment and green tourism](#) on AASTMT webpage

AASTMT Participates in High Institute of Public Health Seminar on Facing Climate Change: Challenges and Solutions for a Sustainable Future

AASTMT participated in the High Institute of Public Health Seminar titled “Facing Climate Change: Challenges and Solutions for a Sustainable Future.” The event, held in late 2023 and continuing its outreach impact into 2024, focused on climate change education, policy dialogue, and community awareness. AASTMT’s contribution emphasized adaptation strategies, carbon reduction, and sustainable development practices, engaging students, researchers, and local stakeholders in climate resilience discussions — directly supporting SDG 13 (Climate Action) through education, outreach, and mitigation awareness.



[AASTMT Participates in High Institute of Public Health Seminar](#) on AASTMT webpage

AASTMT has a cooperation agreement with the UN ISDR /International Strategy for Disaster Reduction (ISDR)

AASTMT demonstrates regional leadership in climate change adaptation and disaster risk reduction through its cooperation with the United Nations International Strategy for Disaster Reduction (UN ISDR). AASTMT hosts the Regional Bureau for West Asia and North Africa (WANA) and operates a regional database for disaster risk reduction, supporting Arab states in climate resilience and adaptation. This aligns with the shared objectives of a Climate Action Plan under SDG 13.3.2, particularly in regional government collaboration and data-driven risk management.

1. Cooperation Agreement with the United Nations / International Strategy for Disaster Reduction (UN/ISDR)

A cooperation agreement has been concluded between the United Nations Secretariat for the International Strategy for Disaster Reduction (ISDR), located in Geneva and represented by Mr. Selvino Bersinio and the AASTMT leading to the following:

- The AASTMT hosting of the Strategy regional bureau for West Asia and North Africa (WANA) at the AASTMT's campus in Heliopolis, 3rd floor, Higher Studies Building as it is the bureau that covers the Arab countries. A bilateral committee has also been formed of the regional bureau (WANA) and the AASTMT to be convened on a quarterly basis to activate the joint cooperation between the partners which leads to agreeing to carry out the following activities:
- Enhancing informatics capacities and information management pertaining to disaster reduction in the Middle East and North Africa by establishing a regionally integrated data base system for the Middle East and North Africa as regards reducing the risk of disasters provided that the AASTMT runs the data base system from its campus in Cairo after the end of the project in favour of the ISDR comprising all the UN organizations and most of the major financing institutions including the World Bank.
- Building disaster reduction terminology and publishing it in Arabic.
- Agreeing to establish the pioneering Institute for Disaster Reduction and Management all over the world to qualify the calibres of the regional and Arab organizations as well as the regional governments under the supervision of the World Bank, UNESCO, ISDR and the AASTMT.

[AASTMT has a cooperation agreement with the UN ISDR /International Strategy for Disaster Reduction \(ISDR\)](#) on AASTMT webpage