15.3.5 Collaboration for Shared Land Ecosystems

2023–2024

According to AASTMT's *Sustainable-Use and Restoration* policy under SDG 15, the Academy commits to "community engagement" to conserve terrestrial biodiversity: "Engage in community outreach programs with local communities to implement projects that address environmental challenges. objectives. This not only benefits their environment but also serves as a model for other institutions and communities.

UniGreen Bootcamp and Innovation Workshops 3-8 May 2024

The UniGreen Project, led by AASTMT and funded by the European Union, promotes sustainable land management, biodiversity conservation, and climate adaptation through environmental education and community engagement. The UniGreen Bootcamp united universities and NGOs to develop green entrepreneurship solutions for ecosystem protection and land restoration. Partnering with Egyptian universities and the Life Makers Foundation, the project fosters innovation and community-driven approaches to reduce land degradation and enhance sustainable use of terrestrial resources.



Unigreen Project Workshops

Unigreen Project Workshops *on AASTMT webpage*

AgriCan – Sustainable Agriculture & Land Management

AASTMT lists a project called *AgriCan: High-Tech Solutions for Sustainable Agriculture and Land Management*. According to their SDG-15 project. AgriCan uses AI, machine learning, and smart technologies to help farmers "protect biodiversity, maintain healthy ecosystems, and optimize crop yields." Relevance to 15.3.5: Very relevant — this is about sustainable land use, conserving soil health, and preventing degradation via smart agriculture.

AgriCan: High-Tech Solutions for Sustainable Agriculture and Land Management on AASTMT webpage

Sustainability of the National Industry in Water and Sanitation Services Conference

The conference reflects AASTMT's strong strategic commitment to advancing Egypt's water and sanitation sector by promoting localization of technology, sustainability, and research-driven solutions. Through its participation as a "gold sponsor," AASTMT positioned itself at the heart of discussions on the safe reuse of treated sewage water, advanced treatment of industrial effluents (metals, salts, industrial wastes), and the upgrade of infrastructure using sustainable materials. The event also emphasized capacity-building via training, human resource development, and leveraging European-Egyptian partnerships.



Sustainability of the National Industry in Water and Sanitation Services" on AASTMT webpage

Conference on Climate Change and Environmental Sustainability

conference on climate change and environmental sustainability held on 05 July 2023 at Arab Academy for Science, Technology & Maritime Transport (AASTMT). The event addresses both sides—sustainable practices (mitigation) and environmental change (adaptation). By engaging students and faculty in climate-change discussions, it builds institutional and human capacity. It helps embed climate focus into curriculum and institutional planning, aligning with national and global frameworks. Elevates the knowledge base of future professionals and decision-makers, which is crucial for climate action.



Conference on climate change and environmental sustainability College of Management and Technology on AASTMT webpage

AASTMT has participated in the Conference of the Parties (COP28) to the UN Framework Convention on Climate Change

AASTMT has participated in the Conference of the Parties (COP) to the UN Framework Convention on Climate Change, via an “Engineering & Technology Forum” titled “Towards a Green and Sustainable Future. the integration of green engineering and sustainable land practices often go together.



AASTMT has participated in the Conference of the Parties (COP28)

Arab States Advance Regional Action through First Coordination Meeting on Marine Disaster Risk Reduction

In Alexandria, Egypt - 30 June 2025 - Representatives from 15 Arab states, regional organizations, and international partners convened from 28 to 30 June at the Arab Academy for Science, Technology and Maritime Transport (AASTMT) in Abu Qir for the First Coordination Meeting of the Arab Programme for Reducing Marine Disasters. Organized under the auspices of the League of Arab States, hosted by AASTMT, and with active participation and facilitation by the United Nations Office for Disaster Risk Reduction, Regional Office for the Arab States (UNDRR ROAS).



Arab States advance regional action through first coordination meeting on marine disaster risk reduction

Housing: Signing Two Cooperation Protocols with the Arab Academy of Sciences

On 1 Nov 2025 (announcement) a cooperation protocol between AASTMT and the Ministry of Housing, Utilities & Urban Communities focused on sustainable urban & coastal resource management in New Alamein City—this involves shared land and coastal ecosystems and shows collaboration across land-ecosystem contexts.



AASTMT – Egyptian ministry of Housing, Utilizes and Urban Cities protocols of Cooperation on AASTMT webpage