

### **13.3.4 Inform and Support Government**

#### **2023-2024**

At AASTMT, this indicator reflects the university's strategic engagement with local, regional, and Arab governmental bodies to support the development of early warning frameworks, climate monitoring systems, and evidence-based disaster management policies. Through its environmental policy, educational programs, and participation in regional initiatives, AASTMT acts as a key technical partner in advancing climate resilience, greenhouse gas monitoring, and risk prevention efforts across the Arab region.

#### **AASTMT Partnership in the RURALITIES Project to Support Climate-Smart Rural Governance and Early-Warning Capacity**

AASTMT continued its active partnership in the Horizon Europe project "RURALITIES – Climate Smart, Ecosystem-Enhancing and Knowledge-Based Rural Expertise and Training Centres" (Grant Agreement No. 101060876). Through this consortium, AASTMT serves as a key beneficiary partner supporting the development of climate-resilient rural innovation hubs and the training of local and regional authorities in climate-risk monitoring, early-warning, and adaptation planning. The project coordinates actions among governments, research institutions, and regional stakeholders in both the EU and African Union, enhancing data-driven decision-making and climate disaster preparedness across rural and coastal communities. AASTMT's contribution focuses on capacity-building, policy support, and digital dissemination for rural climate governance in Egypt and North Africa.



## **Ruralities**

**RURALITIES- CLIMATE SMART, ECOSYSTEM-ENHANCING AND  
KNOWLEDGE-BASED RURAL EXPERTISE AND TRAINING CENTRES**

#### **D4.8 RURALITIES WEBSITE**

Horizon Europe Grant agreement: 101060876

20/03/2023 by Ioanna Thomatou  
Version 1.0

#### **AASTMT-RURALITIES PROJECT**

#### **AASTMT – Egyptian ministry of Housing, Utilizes and Urban Cities protocols of Cooperation**

On the sidelines of the fourth day of the 12th World Urban Forum (WUF12), H.E. Eng. Sherif El-Sherbiny, Minister of Housing, Utilities, and Urban Communities, announced the signing of

2023-2024

two cooperation protocols between the Ministry of Housing and the Arab Academy for Science, Technology & Maritime Transport (AASTMT). The first protocol focuses on technical consultancy in New Alamein City, developing a comprehensive proposal for managing marine and coastal resources of the city's beach and artificial lake.



[AASTMT – Egyptian ministry of Housing, Utilizes and Urban Cities protocols of Cooperation](#) on AASTMT webpage

## **AASTMT–Ministry of Environment Partnership for Land Sustainability, Waste Recycling, and Climate Action 26 Oct, 2024**

The Minister of Environment met with the President of AASTMT to enhance joint environmental cooperation and advance sustainability initiatives. Plans include establishing a Climate Change Information Center, launching AI-based applications to reduce carbon emissions and plastic waste, and promoting green industry through waste recycling. In alignment with SDG 15 (Life on Land), these initiatives support ecosystem protection, land sustainability, and responsible resource use.



[AASTMT President-Minister of Environment Meeting](#) on AASTMT webpage



## AASTMT Urban Planning Innovations Take Center Stage at World Urban Forum 12 (WUF12) (07 Nov 2024)

The Arab Academy for Science, Technology & Maritime Transport (AASTMT) presented innovative approaches to sustainable urban planning, land-resource management, and ecosystem restoration. Through academic sessions and student projects, AASTMT emphasized the integration of environmental sustainability, land-use efficiency, and green infrastructure in city development. This participation directly supports SDG 15.2.1 by promoting sustainable land management, protection of terrestrial ecosystems, and the restoration of degraded areas within urban contexts.

### AASTMT News

[Home](#) > [News](#) > AASTMT Urban Planning Innovations Take Center Stage at WUF12



[AASTMT Urban Planning Innovations Take Center Stage at World Urban Forum 12 \(WUF12\)](#) on AASTMT webpage

## Activities of the Arab Day for Disaster Risk Reduction in 2024

On 4 April 2024, the Arab Academy for Science, Technology & Maritime Transport (AASTMT), in collaboration with the League of Arab States' Housing, Water Resources and Disaster Reduction Administration, convened the "Activities of the Arab Day for Disaster Risk Reduction

2024.” The workshop focused on pressing climate-change and disaster-risk issues in the Arab region — including sea-level rise, water-resource threats, gas-emission and climate-change scenarios, and crisis/disaster management in the maritime and agricultural sectors. The event featured two main sessions: one on coastal and sea-level risks and another entitled “Crisis and Disaster Management in Arab Countries – Challenges and Contemporary Issues.” AASTMT’s President, Prof. Ismail Abdel Ghaffar, opened the workshop, which brought academia, government and regional stakeholders together to enhance resilience in the face of evolving hazards.



[Activities of the Arab Day for Disaster Risk Reduction in 2024](#) on AASTMT webpage

## Promoting Green Competences for Integrated Sustainable Development in Architectural Education through Experiential, Lab-based, Active Learning

This is an educational and capacity-building project focused on developing **green** competences, sustainable architecture, and active learning methodologies likely within universities and possibly in cooperation with public stakeholders. The project contributes to climate action through education, innovation, resilience building, and sustainability in architecture promoting adaptation, resilience, and mitigation competencies. It aligns with climate capacity building.



### AASTMT Research Projects

[Overview](#) [Scientific Research](#) [International Research Projects Center](#)

## AASTMT Research Projects

[All Projects](#) > Research Projects Details

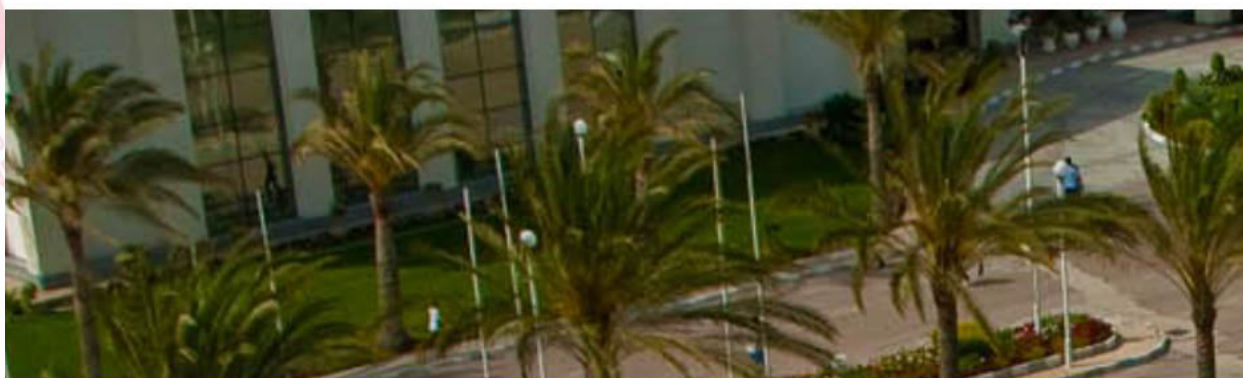
### PROJECT: PROMOTING GREEN COMPETENCES FOR INTEGRATED SUSTAINABLE DEVELOPMENT IN ARCHITECTURAL EDUCATION THROUGH EXPERIENTIAL, LAB-BASED, ACTIVE LEARNING

[AASTMT Promoting Green Competences for Integrated Sustainable Development in Architectural Education through Experiential, Lab-based, Active Learning](#) on AASTMT webpage



## Environmental Monitoring and Climate Change Laboratory

The Environmental Monitoring & Climate Change Laboratory (EMCCL) at the Arab Academy for Science, Technology & Maritime Transport (AASTMT) serves as a regional hub for climate and environmental data collection, analysis, and modelling. The laboratory provides advanced technical capabilities in meteorological monitoring, air-quality assessment, coastal ecosystem observation, and climate-impact modelling, all of which directly contribute to early-warning and monitoring systems for climate-related risks. AASTMT's Environmental Monitoring & Climate Change Laboratory (EMCCL) supports local and regional authorities in monitoring environmental changes, forecasting climate-related hazards, and developing effective response strategies.



## Environmental Monitoring and Climate Change Laboratory

[Environmental Monitoring and Climate Change Laboratory](#) on AASTMT webpage

## PRIMA Annual Work Plan (AWP) for the Year 2024

On February 14<sup>th</sup> 2024, an awareness Info-day was held at AASTMT on the Preliminary Version of the PRIMA Annual Work Plan (AWP) for the year 2024 which has been officially released by the PRIMA Secretariat. It is worth noting that the PRIMA program is a funding program provided by the European Union to conduct scientific research in various technology fields such as Water Management, Farming Systems, Agri-Food Value Chain, Energy and Water, energy, food and ecosystems (WEFE) Nexus sectors. Research teams are not limited only to universities and research centers, but all legal entities can apply, whether they are government agencies, SMEs, NGOs, the private sector, companies.



## PRIMA Annual Work Plan (AWP) For The Year 2024

[PRIMA Annual Work Plan \(AWP\) for the year 2024](#) on AASTMT webpage

### Artificial Intelligence for Sustainability Workshop

The Sustainable Development and International Cooperation Administration is organizing a workshop on "Artificial Intelligence for Sustainability" under the patronage of His Excellency Mr. Ahmed Aboul Gheit, Secretary-General of the Arab League, and His Excellency Professor Ismail Abdelghafar Ismail Farag, President of the Arab Academy for Science, Technology and Maritime Transport.

The Arab League will be hosting the workshop at its headquarters, with the aim of enhancing the Arab concept of sustainability through artificial intelligence. The workshop aims to shed light on how technology and artificial intelligence can be used to promote environmental, economic, and social sustainability.



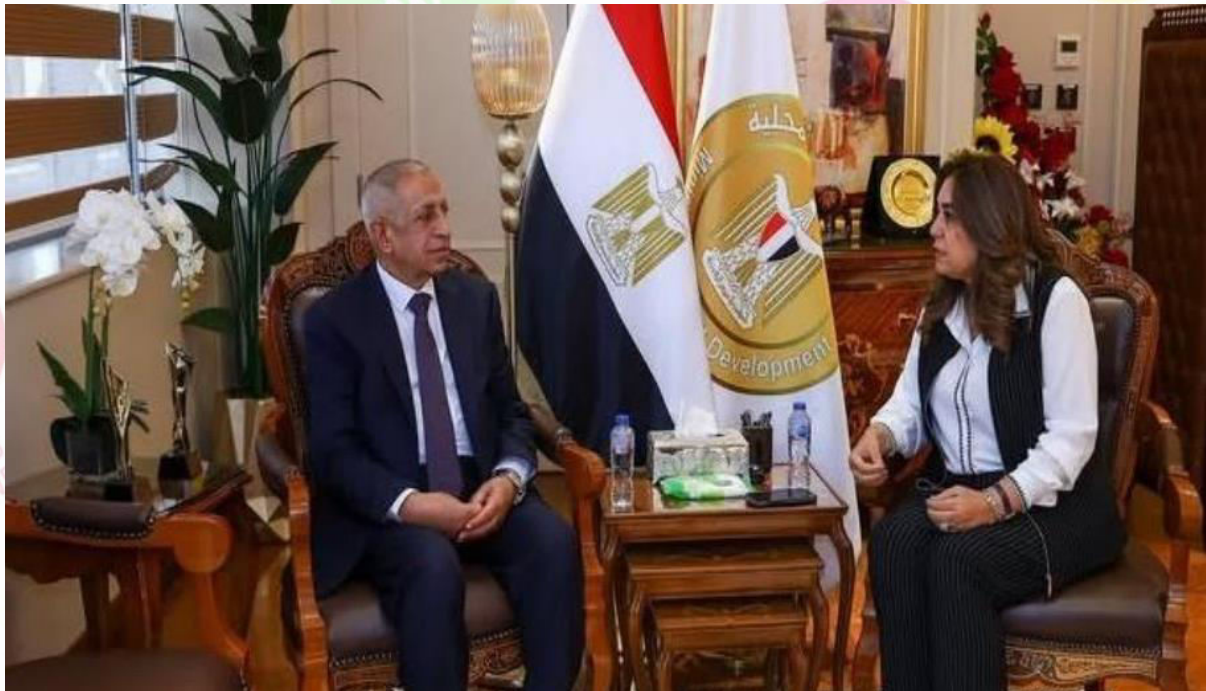
[Artificial Intelligence for Sustainability Workshop](#) on AASTMT webpage



## Upcoming Events

### Environment Min., AASTMT Head Discuss Cooperation Files

The Minister of Environment (or Acting Minister) held a meeting with AASTMT's President, Dr. Ismail Abdel Ghaffar, at the Ministry's headquarters in the New Administrative Capital. The focus of the meeting was "ways to strengthen cooperation between the two sides in several areas of mutual interest, particularly in local development and future plans for various environmental sectors." Although the article's primary phrasing is broad ("local development", "environmental sectors"), the mention of cooperation between the Ministry of Environment and AASTMT suggests institutional engagement with governmental environmental planning.



[Environment min., AASTMT head discuss cooperation files](#)