

# Arab Academy for Science, Technology & Maritime Transport



**Arab Academy**  
for Science, Technology & Maritime Transport



**Report 2021/2022**



# SDG 17

## Our Aim in 2021-2022

- At AASTMT our aim is to actively contribute to the achievement of Sustainable Development Goal 17- Partnerships for the Goals. We recognize that addressing global challenges requires collaboration, cooperation, and the forging of strong partnerships among various stakeholders, including governments, academia, civil society, and the private sector.
- Our commitment to SDG17 is rooted in the understanding that sustainable development cannot be achieved by any single entity alone. Therefore, we strive to foster a culture of collaboration and partnership within our university community and beyond. Our aim is to leverage our expertise, resources, and networks to foster meaningful partnerships that promote sustainable development, drive innovation, and create positive societal impact.

## THE Impact Ranking Scores 2020-2021



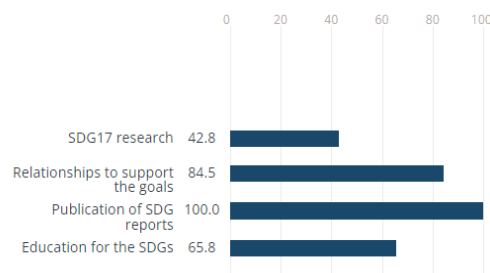
17

**PARTNERSHIP FOR THE GOALS**

MANDATORY QUALIFYING SDG - 22% OF OVERALL

RANK  
SCORE **301-400** out of 1625 institutions

[Details](#)



## SDG 17

## PARTNERSHIPS FOR THE GOALS

**17 PARTNERSHIPS FOR THE GOALS**



## Our Progress through 2021-2022

The Arab Academy for Science, Technology, and Maritime Transport (AASTMT) plays a pivotal role in the publication of the SDG 17 report, which focuses on Partnerships for the Goals. Recognizing the importance of transparent reporting and accountability in achieving sustainable development, AASTMT actively engages in gathering, analyzing, and disseminating data related to partnerships and collaborations. Through its research centers, academic programs, and network of experts, AASTMT conducts comprehensive studies and evaluations to assess the progress and impact of partnerships within the framework of SDG 17. By compiling and publishing the SDG 17 report, AASTMT provides valuable insights and recommendations to policymakers, stakeholders, and the international community. The report serves as a valuable resource for fostering dialogue, sharing best practices, and identifying areas for improvement in partnership building. AASTMT's commitment to the publication of the SDG 17 report reinforces its dedication to promoting effective partnerships and advancing the global sustainable development agenda.

## Partnership Collaborations through 2021-2022

### Agreements and Partnerships with Local, Regional, and International Universities

1	<b>Technology medical sector and northwestern university</b>	The cooperation aims to develop scientific experiments and medical knowledge for students of the Academy's College of Medicine through research experiments under the supervision of faculty members.
2	<b>Galala University</b>	The topic includes cooperation in the field of training with the aim of contributing to raising the efficiency of trainees and in the field of sending experts, whereby experts are sent from the academy or from Galala University to the headquarters of the other party to carry out training tasks, as well as in the field of joint research and consultations.
3	<b>Technical university of Ostrava</b>	Strengthening cooperation in the field of education and research of common interest through the exchange of faculty members
4	<b>City unity university</b>	The cooperation aims to develop the partnership between the two parties through developing joint programs and exchanging research and scientific materials in the field of maritime transport.
5	<b>Belarusian state university</b>	The two parties agreed to cooperate in the fields of education, joint research, and discuss training opportunities between the two parties through student exchange programs at the bachelor's, master's, and doctoral levels.



6	<b>Belarusian state medical university</b>	The two parties agreed to scientific cooperation, providing training program opportunities for students in the medical sector at the academy (Faculty of Pharmacy and College of Dentistry) and obtaining a certificate upon completion of the training programs.
7	<b>Pharmaceutical faculty of Belarusian State Medical university</b>	The two parties agreed to cooperate in the fields of training and exchange programs for students and faculty members, in addition to joint research.
8	<b>University of Duisburg Essen</b>	Cooperation between the two parties in the field of international transport, logistics, shipping and unloading.
9	<b>Jordanian Academy for Maritime Studies</b>	The two parties agreed to cooperate in the field of training and joint research in the maritime fields and to exchange information and consultations in other areas of common interest.
10	<b>Dental faculty of Belarusian state medical university</b>	The two parties agreed to scientific cooperation, providing training program opportunities for students in the medical sector at the academy (Faculty of Pharmacy and College of Dentistry) and obtaining a certificate upon completion of the training programs.
11	<b>Missouri state university</b>	The two parties agreed to exchange research programs, and the student can pursue a postgraduate degree in management at the academy and obtain a master's degree from the partner university.
12	<b>Zayed University</b>	Strengthening cooperation between the two institutions in the field of research in antiquities and cultural heritage, organizing lectures, seminars and training courses, exchanging experiences between faculty members and student exchange.
13	<b>Emlyon business school</b>	Developing academic cooperation in the field of teaching and scientific research
14	<b>The British University in Egypt</b>	The two parties agreed to cooperate in exploring funding opportunities available through the European Union's Erasmus plus program for project financing and to cooperate among themselves in the relevant areas of interest, practical training, simulation training and scientific research.



15	Zarqa University, Jordan	The two parties agreed to cooperate in the fields of exchanging faculty members, exchanging student visits, exchanging sources of knowledge, education, e-learning, and digital scientific materials.
16	Beirut Arab University.	The two parties agreed to cooperate in many fields, including the medical sector, administration, logistics, and mutual scientific consultations, in addition to a student exchange program
<b>Agreements and partnerships with bodies, unions, and companies related to education and degrees</b>		
17	Ministry of Youth and Sports	Cooperation between the two parties aims to support and build the capabilities of young people and entrepreneurs to establish companies as well as sectors that support entrepreneurial activities.
18	Electronics Research Institute	Promoting mutual understanding in order to participate in academic, scientific and cultural cooperation
19	Hospitals and laboratories in Mabaret Al-Asafra	The two parties agreed to cooperate in the field of scientific training, graduate studies, joint research and consultations
20	Port Said University	The two parties agreed to scientific and research cooperation and exchange of experiences between the two parties
21	Egyptian Commercial Automotive Company	Cooperation in a professional diploma in the field of electric cars
22	Agricultural Bank of Egypt and Matrouh Governorate	Providing scholarships to 47 students from Matrouh Governorate throughout their studies at the Academy, and the students' financial costs are borne equally between the Agricultural Bank and the Academy.
23	Faculty of Physical Education for Boys, Sadat University	Cooperation in educational, training and research fields of common interest between the two parties
24	State Lawsuits Authority	The two parties agreed to cooperate through exchanging experiences and capabilities in the field of developing the information infrastructure of the State Litigation Authority and in the field of training and postgraduate studies.
25	Financial Supervision Authority	The two parties agreed that the Academy's College of Graduate Studies in Administration would provide its programs to the Authority's employees.



26	<b>American University</b>	The two parties agreed to cooperate in the fields of education, consultation, and joint research, to strengthen coordination, to exchange experiences and knowledge between them, and to exchange experts in fields of common interest for the benefit of both parties.
27	<b>Joint cooperation agreement between Alexandria University, the Academy, and the management of the VT-MENA program</b>	Qualifying students for a master's degree in three specializations: electronic and communications engineering, computer engineering, and computer science.
28	<b>Faculty of Dentistry, Alexandria University</b>	The two parties agreed to cooperate in supporting the educational process at the Academy's College of Dentistry at the Academy's branch in New El Alamein City, in addition to cooperation in the fields of education, training, consultations, joint research, student exchange programs, and the exchange of faculty members.
29	<b>Faculty of Medicine, Alexandria University</b>	The two parties agreed to cooperate in supporting the educational process at the Academy's Faculty of Medicine at the Academy's branch in New El Alamein, in addition to cooperation in the fields of education, training, consultations, joint research, student exchange programs, and the exchange of faculty members.
30	<b>DP World El-Sokhna</b>	The two parties agreed to cooperate in the academic and business sectors in areas of common interest.
31	<b>German Arab Chamber</b>	The two parties agreed that the Academy would provide postgraduate programs in management (MBA - DBA) for candidates nominated by the other party.
<b>Agreements and partnerships with companies that aim to train academy students.</b>		
32	<b>Zamil Steel Buildings Company</b>	Concluding a joint cooperation agreement between the two parties in the field of training and developing practical education for students of the College of Engineering, in addition to organizing aspects of cooperation in other areas of common interest.

33	<b>Egyptians Company for Distribution and Services</b>	The two parties agreed to cooperate in the field of training, consultation, and organizing educational programs.
34	<b>Alexandria Petroleum Refining Company</b>	The two parties agreed on the possibility of the company benefiting from new scientific research submitted by students in postgraduate programs, as well as graduation projects for bachelor's students in subjects related to the nature of the company and the implementation of agreed-upon training programs and courses.
35	<b>Al Amriya Petroleum Refining Company</b>	The two parties agreed to implement the agreed upon training programs and courses.
36	<b>Halwani Brothers Company</b>	Training the academy's students according to a training program approved by the academy and the company so that the students gain theoretical and practical experiences.
37	<b>EPROM</b>	Cooperation in the field of training, education and exchange of experiences between the two parties
<b>Industry-related agreements and partnerships and innovation support</b>		
38	<b>Industry Council for Technology and Innovation</b>	Renewing the cooperation protocol with the Sawiris Foundation to enroll a number of students to study at the Academy, as the Sawiris Foundation provides and finances full scholarships for students with disabilities to study at the Academy in various specializations at the Foundation's expense.
39	<b>Obeikan Egypt Company</b>	Renewing the cooperation protocol with the Misr El Kheir Foundation to enroll a number of students to study at the academy, as the Misr El Kheir Foundation provides and finances full scholarships for outstanding students to study at the academy in various specializations at the foundation's expense.
40	<b>Aviation Research Center - Arab Organization for Industrialization</b>	The two parties agreed to cooperate in various activities, including organizing seminars and conferences of common interest, and the Union will provide field training opportunities in its community development projects.



41	<b>Artificial Intelligence Academy, China</b>	The two parties agreed to cooperate in the areas of projects undertaken by the Authority in order to benefit from the expertise of both parties in the areas of information management system, e-commerce, marketing, international business management, and the fields of accounting, finance, hotels and tourism.
<b>Agreements and partnerships with bodies related to community service, environment and sustainable development.</b>		
42	<b>Sawiris Foundation for Social Development</b>	Renewing the cooperation protocol with the Sawiris Foundation to enroll a number of students to study at the Academy, as the Sawiris Foundation provides and finances full scholarships for students with disabilities to study at the Academy in various specializations at the Foundation's expense.
43	<b>African-Asian Union for Sustainable Development</b>	The two parties agreed to cooperate in various activities, including organizing seminars and conferences of common interest, and the Union will provide field training opportunities in its community development projects.
44	<b>Misr Al Khair Foundation</b>	Renewing the cooperation protocol with the Misr El Kheir Foundation to enroll a number of students to study at the academy, as the Misr El Kheir Foundation provides and finances full scholarships for outstanding students to study at the academy in various specializations at the foundation's expense.
45	<b>Upper Egypt Development Authority</b>	The two parties agreed to cooperate in the areas of projects undertaken by the Authority in order to benefit from the expertise of both parties in the areas of information management system, e-commerce, marketing, international business management, and the fields of accounting, finance, hotels and tourism.

## **Community Engagement**

### **Sawiris Foundation Collaboration with AASTMT**

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) renewed its collaboration on 17th Oct 2021 with the Sawiris Foundation to offer scholarships for up to 10 Egyptian high school students with disabilities to obtain their undergraduate degree from the AASTMT, as one of the prominent universities in Egypt. The scholarship aims to provide excellent educational opportunities to students with disabilities that would enhance their job market skills. The scholarship covers tuition fees, accommodation, living allowance, and necessary accessible accommodation.

### **African-Asian Union for Sustainable Development Collaboration with AASTMT**

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) has Signed an MOU with the African-Asian Union for Sustainable Development as the two parties agreed to cooperate in various activities, including organizing seminars and conferences of common interest, and the Union will provide field training opportunities in its community development projects.

### **Misr Al Khair Foundation**

The Arab Academy for Science, technology, and Maritime Transport (AASTMT) has renewed its collaboration with the Misr Al Khair Foundation to offer scholarships for up to 10 Egyptian high school students with disabilities to obtain their undergraduate degree from the AASTMT, as one of the prominent universities in Egypt. The scholarship aims to provide excellent educational opportunities to students with disabilities that would enhance their job market skills. The scholarship covers tuition fees, accommodation, living allowance and necessary accessible accommodation.

## **Events**

### **TouMali Conference**

Under the patronage of Mr. Eng. Ahmed Gaber, Chairman and Managing Director of the Alexandria Drinking Water Company, and based on the directives of his Excellency, the General Administration for Research and Development, led by Dr. Maisa Salah El-Din, Director General of the Research and Development Department, was honored to participate in the activities of the TouMali Conference organized by the Arab Academy for Science and Technology and Maritime Transport (AASTMT) from October 10-11, 2022 at the Academy's headquarters in Abu Qir - Alexandria, and that was titled "The Contribution of Sound Waste Management Systems to Sustainable Tourism and the Protection of Marine Ecosystems".



[TouMali Conference](#) on AASTMT webpage

## **MED SE(A)CAP Integration for Sustainable Development Goals in a Smart Society “SEACAP 4 SDGs”**

The SEACAP 4 SDG project is fully consistent with the objectives of the Program and the Call for capitalization projects. Indeed, it deals specifically with the energy efficiency of public buildings targeted by the Joint Operational Program thematic objective B.4.3. This is one of the main issues in the Mediterranean basin regarding the impact of climate change on the quality of life (urban heat-island effect, increase in air conditioning and therefore in hot air emissions and energy consumption) and of demography (population increase and rural exodus, in particular in the Southern shore, heliotropism in the North). The project builds on the outputs and outcomes, as well as the partners of the 10 selected reference projects (SRP) out of the 11 reference projects identified by the Program to be capitalized upon (one more technical and research-focused project being less adapted for the purposes of the Project). Indeed, the results of 10 ENPI, ENI, UfM and MED projects will be analyzed, evaluated and adapted to the climatic, operational and administrative realities of the 8 countries territories covered by the Project. A first pre-evaluation has been carried out by the Partners during the development of the Project proposal, in order to confirm the potential interest of the solutions developed by the SRP for the Partnership (best practices and procedures for building energy refurbishment, school buildings methodologies, financial mechanisms, Living Labs and to raise awareness and ensure the participation of the SRP partners in order to guarantee knowledge and ability to handle SRP outputs and outcomes, and their optimal replication in 8 countries territories. The

Project fits perfectly with the capitalization logical framework presented by the Program in the Guidelines for Applicants, and also with the INTERACT Program objectives. This Project is Funded by European Neighborhood Instrument Cross Border Cooperation for Med countries.

[MED SE\(A\)CAP Integration for Sustainable Development Goals in a Smart Society "SEACAP 4 SDGs"](#) project on AASTMT webpage

## "AASTMT - Ministry of Youth and Sports" Cooperation

Within the fruitful cooperation between the Arab Academy for Science, Technology and Maritime Transport (AASTMT) and the Egyptian Ministry of Youth And Sports, H.E. Prof. Dr. Ashraf Sobhy - Egyptian Minister of Youth and Sports, and H.E. Prof. Dr. Ismail Abdel Ghafar Ismail - AASTMT President signed an agreement between AASTMT and Ministry of Youth and Sports to implement co-operational programs and projects in entrepreneurship, as AASTMT is considered to be a strategic partner to the Ministry of Youth and Sports. The agreement was signed on Sunday 11- 12- 2022, at AASTMT Smart Village Campus, along with the opening of the first scientific forum of AASTMT Smart Village College of Language & Communication, in the presence of H.E. Ambassador Ahmed Rashid Khattabi - Secretary-General and Head of the Media and Communications Sector of the League of Arab States, and AASTMT officials.



["AASTMT - Ministry of Youth and Sports" Cooperation](#) on AASTMT webpage

## German African Mediterranean Cooperation toward Prevention of Marine Litter

Within the framework of the Arab Academy for Science, Technology and Maritime Transport interest in participating in international conferences and forums, Prof. Dr. Alaa Abdel Bary - Vice President of the Academy and Professor at the Institute of Basic and Applied Sciences - College of Engineering and Technology participated in the Climate Summit Conference held in Sharm El-Sheikh on Wednesday, November 16, by presenting a lecture "German African Mediterranean Cooperation Toward Prevention of Marine Litter"

The summit was run by the Environmental ministers of Egypt, Gabon and Senegal. His Excellency's lecture was the only case that was chosen to be presented in this axis as a model for African cooperation.



[German African Mediterranean Cooperation toward Prevention of Marine Litter](#) event on AASTMT webpage

## AASTMT Participation in COP27

Within the framework of the College of Engineering and Technology's interest in following up its distinguished graduates and its keenness on their participation in the various activities that achieve the country's strategic vision and goals, an interesting meeting was held between Dr. Albadr Ossman Head of Construction & Building Department and Eng. Donia Maarouf to attend the COP27 organized by the Arab Republic of Egypt in Sharm El-Sheikh to encourage and congratulate it on the occasion of its selection as one of the organizers of the United Nations Climate Youth Conference COY17, which was held in the first of November in Sharm El-Sheikh.

Donia was also invited to attend a panel discussion with the Minister of Youth and Sports, His Excellency Dr. Ashraf Sobhy, in the Zarga region, within the activities of the COP27 conference on the results of the Climate Youth Conference. The College of Engineering and Technology wishes it more success and excellence in its field of work. It is worth noting

that Eng. Donia Maarouf has chosen to work in the field of environmental engineering since her graduation.



[AASTMT Participation in COP27](#) on AASTMT webpage

### **"Climate and Energy Impact Showcase" in COP27**

The participation of the delegation of the College of Engineering and Technology headed by Dr. Al-Badr Othman - Head of the Department of Construction and Building Engineering today in a session.

Climate and Energy Impact Showcase While attending the COP27 climate conference organized by the Arab Republic of Egypt through the program "Egypt University Partnership Accelerator (UPA) U.S. Exchange" In which the College of Engineering and Technology participates in several Egyptian and international universities to present the faculty's activities and distinguished undergraduate and postgraduate students' projects that have a link and influence with the topics of the climate conference.



["Climate And Energy Impact Showcase" in COP27](#) on AASTMT webpage

## **Green Land Green Skills for A Sustainable Development**

The Mediterranean area suffers from extremely high rates of youth and female unemployment. To face this challenge, GREENLAND promotes social inclusion and fight against poverty by providing unskilled and underprivileged young people with marketable skills in the Green and Circular Economy, with the potential to generate thousands of jobs. To reach its objective, the project will create new curricula based on market needs, skills transfer to NEETs and women, media-based training tools, and cultural exchanges among young people. This project is funded by ENI CBC MED Program.

[Green Land Green Skills for A Sustainable Development](#) on AASTMT webpage

## **Integration of Sustainable Development Goals Inuniversities for Better Climate Change Management "Involve"**

To strengthen the role of the Egyptian Universities in the achievement of the environmental Sustainable Development Goals through enhancing their organizational governance capacities, creating current and future SDGs implementers, and upgrading their operational facilities necessary to the implementation of innovative practices for the achievement of the environmental SDGs. This is an Erasmus plus funded project.

[Integration of Sustainable Development Goals Inuniversities for Better Climate Change Management "Involve"](#) on AASTMT webpage

## **Academy Publishing Center**

APC is the publishing center of Arab Academy for Science, Technology, and Maritime Transport (AASTMT), whose main campus is in Alexandria, Egypt. As of January 2022; APC has six current e-journals in different majors. APC adopting the open access model in all published journals.

[Academy Publishing Center \(aast.edu\)](#) on AASTMT webpage

## **Master Course between AASTMT and University of Catania (Italy)**

SECCM (Accredited by Supreme Council of Universities-Egypt) The program was established with the participation of four European countries (Italy - Greece - Lithuania - Slovenia) and four Egyptian universities (Alexandria University - Suez Canal University - South Valley University - Arab Academy for Science, Technology and Maritime Transport) The program is provided in Two Years This program is unique and distinguished, as it combines natural and applied sciences curricula to study climate changes, their causes and effects, and how to deal with and adapt to them. The program also works to qualify graduates with the knowledge and skills necessary to take on job jobs associated with local, regional, and international efforts to deal with climate change, which is one of the greatest current challenges of modern societies. The Master of Smart Management of



Environment and Climate Change program is looking to be at the forefront of programs in preparing students to manage climate changes in the local, regional, and international environmental, research and industrial sectors. The graduate will meet the need of the growing labor market in Egypt, the Arab countries and Europe since there are joint European universities in teaching the program, and that this specialization is a unique study in the middle east region as general.

The program of Environmental and Climate Change Management: Introduction to Climate Change - Meteorology and Climate Observation - Marine Resources and Sustainability - Environment Risk Assessment and Management- Climate Change Management- Numerical Modelling and tools - GIS and Remote Sensing - Data Analysis and Processing - Research Methodology - Master's Thesis.

[Master course on Maritime Postgraduate Studies Institute-Alexandria | AASTMT](#) on AASTMT webpage

## Mapping AASTMT courses with the UN SDGs

In pursuit of genuine commitment to the UN-SDGs, AASTMT has launched an initiative in 2020 that incorporates the 17 goals into all courses of all programs across all campuses. The outcome of mapping curricula to the 17 SDGs is a report that showcases the number of courses across all campuses that comply with each SDG.

[Partnerships to achieve the Goal-Alexandria | AASTMT](#) on AASTMT webpage