



Goal 13 – Climate Action

Our Aim

13 CLIMATE ACTION



aims to protect the environment and address climate change to ensure that all students are fully aware of UN SDG 13 and the UN motivation for such a goal. Besides, familiarize students with the related international conventions about climate change. Moreover, provide frequent initiatives for community serving workshops within AASTMT's campuses cities. That will grantee AASTMT's graduate's readiness to be involved in any environmental preserving system during their future careers.AASTMT pledge at the head-of-organization level to reach (net) zero Greenhouse Gases (GHGs) as soon as possible, and by mid-century at the latest, in line with global efforts to limit warming to 1.5°C. Set an interim target to achieve in the next decade, which reflects maximum effort toward or beyond a fair share of the 50% global reduction in CO2 by 2030 identified in the IPCC Special Report on Global Warming of 1.5°C.

Objectives:

Carbon Emissions Reduction:

- .Being Net Zero Carbon by 2050.
- .A 50% reduction in emissions by 2040.

Last Year Recorded

World wide **414 (35.4%)**

Arab Country

Egypt **13**

Our Progress through 20/21



Teaching

Postgraduate Studies: Master of Science Degree in Smart Environmental Management of Climate Change (SECCM), Maritime Postgraduate Studies Institute.

http://www.aast.edu/en/institutes/mpi/contenttemp.php?page_id=48100040

College of Maritime Transport and Technology, Maritime Meteorology (BS281)

http://www.aast.edu/pheed/show_course11.php?get_code=BS281

College of Fisheries and Aquaculture Technology, Meteorology (FN121)

http://www.aast.edu/pheed/show_course11.php?get_code=FN%20121

Meteorology (UM114)

http://www.aast.edu/pheed/show_course11.php?get_code=UM%20114

Initiatives

1. Meteorology & Oceanography Training Courses:

http://www.aast.edu/en/colleges/comt/contenttempsub.php?unit_item=52&pageunit_id=5200011

2.Environmental Monitoring and Climate Change Laboratory:

<https://aastmtic2.aast.edu/sri/Reports/Environmental%20Monitoring%20and%20Climate%20Change%20Laboratory.pdf>

3.GLOBAL CLIMATE CHANGE, BIODIVERSITY AND SUSTAINABILITY: CHALLENGES AND OPPORTUNITIES, in cooperation with University of Prince Edward Island (PEI) - Canada and Smithsonian Conservation Biology Institute - Virginia - USA, during April 15 - 18, 2013

http://www.aast.edu/en/centers/maritime_center/news_en.php?unit=1&event=784&language=1

<http://www.aast.edu/en/sites/workshop/Study%20on%20Adaptation%20to%20Climate%20Change%20and%20Natural%20Disasters%20in%20Greater%20Alexandria%20.pdf>

<http://www.aast.edu/en/sites/workshop/Study%20on%20Adaptation%20to%20Climate%20Change%20and%20Natural%20Disasters%20in%20Greater%20Alexandria%20.pdf>

4.Meteorology and Hydrographic Survey Program

http://www.aast.edu/en/colleges/comt/contenttempsub.php?pageunit_id=5200001

5- Environmental Monitoring and Climate Change Laboratory:

<https://aastmtic2.aast.edu/sri/Reports/Environmental%20Monitoring%20and%20Climate%20Change%20Laboratory.pdf>



[ange%20Laboratory.pdf](#)

6. Permanent Arab Committee on Meteorology & its Sub-committees in the League of Arab States (LAS).

<https://public.wmo.int/en/media/news/league-of-arab-states-addresses-climate-related-hazards>

Weather and Climate Risk Information Management Committee (League of Arab States (LAS)).

<https://www.undp.org/content/undp/en/home/librarypage/climate-and-disaster-resilience-/climate-change-adaptation-in-the-arab-states.html>

7. World Meteorology Organization (WMO)

<https://public.wmo.int/en/resources/training>

<http://ainegypt.org/en/default.aspx>

8. Permanent Arab Committee on Meteorology & its Sub-committees in the League of Arab States (LAS).

<https://public.wmo.int/en/media/news/league-of-arab-states-addresses-climate-related-hazards>

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Race to Zero AASTMT Initiative

Arab Academy for Science, Technology and Maritime Transport participate in Race to Zero Campaign: Race to Zero is a global campaign to rally leadership and support from businesses, cities, regions, investors for a healthy, resilient, zero-carbon recovery that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.

Race to Zero Campaign mobilizes a coalition of leading net zero initiatives by 2050 at the latest, representing cities, regions, businesses, the biggest investors, and universities and colleges.

Steps to implement the Campaign:

1. Pledge: Pledge at the head-of-organization level to reach (net)-zero in the 2040s or sooner, or by midcentury at the latest, in line with global efforts to limit warming to 1.5C.
2. Plan: Within 12 months of joining, explain what actions will be taken toward achieving both

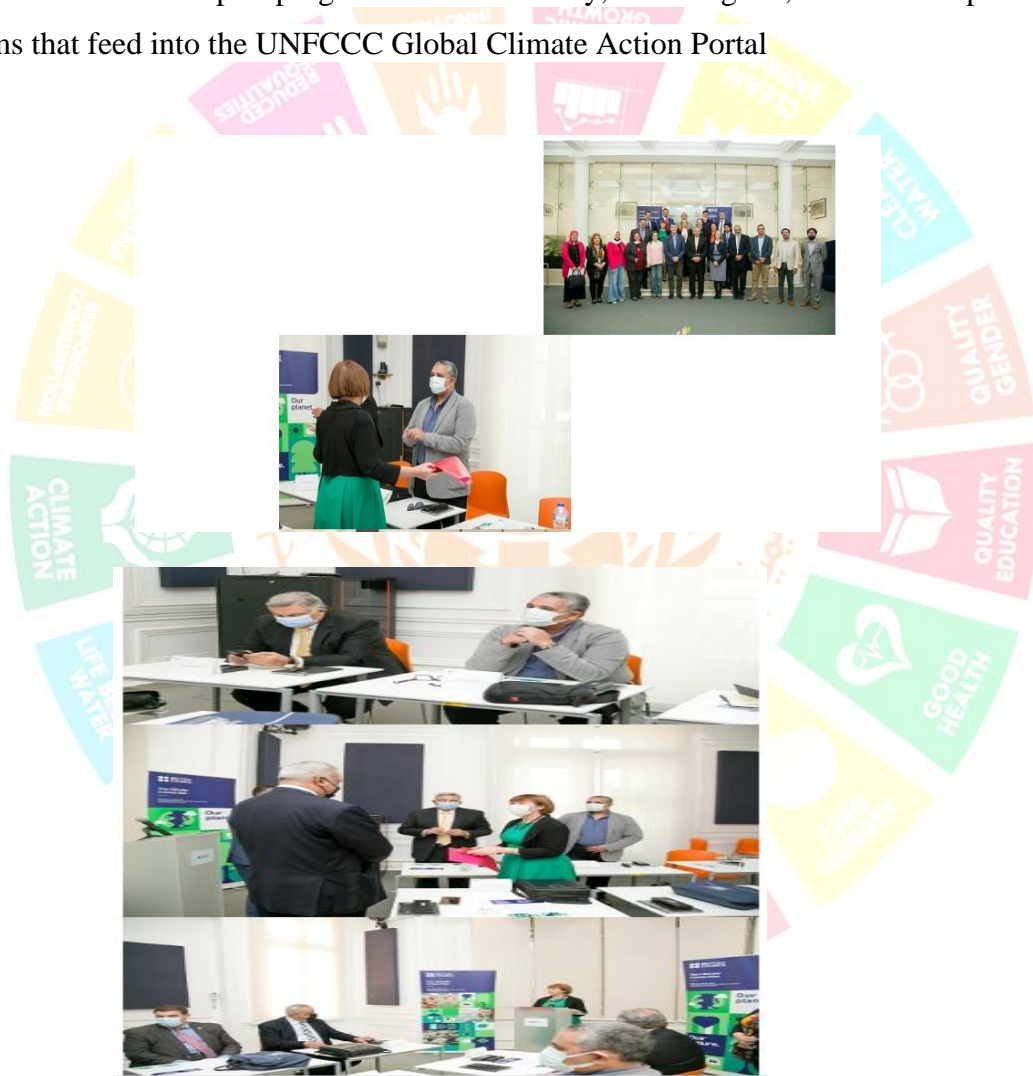


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interim and longer-term pledges, especially in the short- to medium-term. Set an interim target to achieve in the next decade, which reflects a fair share of the 50% global reduction in CO₂ by 2030 identified in the IPCC Special Report on Global Warming of 1.5C

3. Proceed: Take immediate action toward achieving net-zero, consistent with delivering interim targets specified.

4. Publish: Commit to report progress at least annually, including via, to the extent possible, platforms that feed into the UNFCCC Global Climate Action Portal





GIS to Serve the Sustainable Development Goals – Egypt Vision 2030

The Bibliotheca Alexandrina, in cooperation with ESRI Northeast Africa, organizes the Geographical Information Systems (GIS) Conference for the seventh consecutive year, under the title “GIS to Serve the Sustainable Development Goals – Egypt Vision 2030” on Tuesday, 14 December 2021, at 10:30 am, in the BACC Great Hall.

The Conference tackles the technologies, tools, and multiple domains of the geographical information systems, through a panel discussion and presentations that feature a number of experts and specialists in this field in Egypt. The Conference is preceded by online GIS workshops, which aim at training students on the latest technologies this particular field has reached.

Additionally, the Conference will be accompanied by an exhibition showcasing the maps that applied the geographical information systems and will include a prize-giving ceremony to honor the winners of the “Digital Maps” drawing competition, which targeted students and those with an interest in geographical information systems.





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Climate Protector Initiatives

https://aast.edu/en/sdg/goals.php?menutab=22&unit_item=1213&page_id=12130000





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حماة المناخ Climate protectors

In the framework of COP 27 which will be held in Sharm in November 2022, the Arab Academy for Science, Technology, and Maritime Transport (AASTMT) organize the Climate Protectors Initiative at **Abou Kir Campus**, Alexandria, Egypt.

This event seeks to

- Raise the awareness of young people, to be involved in taking an active role in their local communities.
- Practice some skills for reducing the carbon footprint of participants in their daily life by changing some habit.
- Exemplify green opportunities for work and development.
- Help the Participants to develop ideas, initiatives and projects that support and enhance the adaptation and resilience of local communities to climate change.





- An initiative by the Ministers of Immigration and Planning for the participation of Egyptians abroad in a "dignified life"

<https://www.youm7.com/story/2021/2/11/%D9%85%D8%A8%D8%A7%D8%AF%D8%B1%D8%A9%D9%85%D9%86%D9%88%D8%B2%D9%8A%D8%B1%D8%AA%D9%89%D8%A7%D9%84%D9%87%D8%AC%D8%B1%D8%A9%D9%88%D8%A7%D9%84%D8%AA%D8%AE%D8%B7%D9%8A%D8%B7%D9%84%D9%85%D8%B4%D8%A7%D8%B1%D9%83%D8%A9%D8%A7%D9%84%D9%85%D8%B5%D8%B1%D9%8A%D9%8A%D9%86%D8%A8%D8%A7%D9%84%D8%AE%D8%A7%D8%B1%D8%AC-%D8%A8%D9%80-%D8%AD%D9%8A%D8%A7%D8%A9/5201602>

- The Arab Academy of Sciences cooperates with the Ministry of Immigration to support Egyptians abroad

<https://www.mobtada.com/egypt/1021242/%D8%A7%D9%84%D8%A3%D9%83%D8%A7%D8%AF%D9%8A%D9%85%D9%8A%D8%A9%D8%A7%D9%84%D8%B9%D8%B1%D8%A8%D9%8A%D8%A9%D9%84%D9%84%D8%B9%D9%84%D9%88%D9%85%D8%AA%D8%AA%D8%B9%D8%A7%D9%88%D9%86%D9%85%D8%B9%D9%88%D8%B2%D8%A7%D8%B1%D8%A9%D8%A7%D9%84%D9%87%D8%AC%D8%B1%D8%A9%D9%84%D8%AF%D8%B9%D9%85%D8%A7%D9%84%D9%85%D8%B5%D8%B1%D9%8A%D9%8A%D9%86%D8%A8%D8%A7%D9%84%D8%AE%D8%A7%D8%B1%D8%AC>

research

AASTMT Research Performance and Collaboration of the SDGs from Scoups

From SciVal, the Arab Academy developed an activity spreadsheet for SDG (13) as shown below, which contains three data sets: Research performance, Collaboration summary and Top 15 key-phrases of this SDG.

SciVal is a research performance assessment tool that allows analysis of the data from Scopus. The Scopus database covers over 30 million publications from 1996 to the present. SciVal updates weekly from Scopus.



SciVal gives access to the performance of research institution, and individual researchers worldwide. SciVal helps to visualise research performance, benchmark against peers using a number of metrics, review co-author networks, and identify potential collaborative partnerships

Research Projects

- **Innovative Photovoltaics Envelopes for adaptive energy**
- **improved for Recast Of Climatic changes and its Socioeconomic implication**
- **Carbon Footprint Estimation and Reduction in the AASTMT Campus Towards**
- **High Level Renewable and Energy Efficiency Master Courses**
- **Wind Engineering Skills in Egypt and Tunisia**
- **Climate Change Management Through Mitigation And Adaptation (AdapTM)**
- **Knowledge exchange in sustainable Fisheries management and Aquaculture in the Mediterranean region**

https://aast.edu/en/sdg/goals.php?menutab=10&unit_item=1213&page_id=121300007

Public Engagement

https://www.aast.edu/en/news.php?unit_id=531&language=1&event=22&pet_event_type=1

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[A7%D9%84%D9%87%D8%AC%D8%B1%D8%A9-%D9%88%D8%A7%D9%84%D8%AA%D8%AE%D8%B7%D9%8A%D8%B7%D9%84%D9%85%D8%B4%D8%A7%D8%B1%D9%83%D8%A9%D8%A7%D9%84%D9%85%D8%B5%D8%B1%D9%8A%D9%8A%D9%86%D8%A8%D8%A7%D9%84%D8%AE%D8%A7%D8%B1%D8%AC-%D8%A8%D9%80%D8%AD%D9%8A%D8%A7%D8%A9/5201602](https://www.aast.edu/en/colleges/comt/contenttempsub.php?pageunit_id=5200001)

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[Study on Adaptation to Climate Change and Natural Disasters in Greater Alexandriahttp://www.aast.edu/en/sites/workshop/Study%20on%20Adaptation%20to%20Climate%20Change%20and%20Natural%20Disasters%20in%20Greater%20Alexandria%20.pdf](http://www.aast.edu/en/sites/workshop/Study%20on%20Adaptation%20to%20Climate%20Change%20and%20Natural%20Disasters%20in%20Greater%20Alexandria%20.pdf)

- Training Courses: Meteorology and Hydrographic Survey Program

http://www.aast.edu/en/colleges/comt/contenttempsub.php?pageunit_id=5200001



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- Environmental Monitoring and Climate Change Laboratory:

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- Organizations:

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<https://www.undp.org/content/undp/en/home/librarypage/climate-and-disaster-resilience-/climate-change-adaptation-in-the-arab-states.html>

Case Study

Mention brief Details about one of the research or initiatives and then mention the output (note: try to add statistics for any of the above points)

Climate Protector Initiatives

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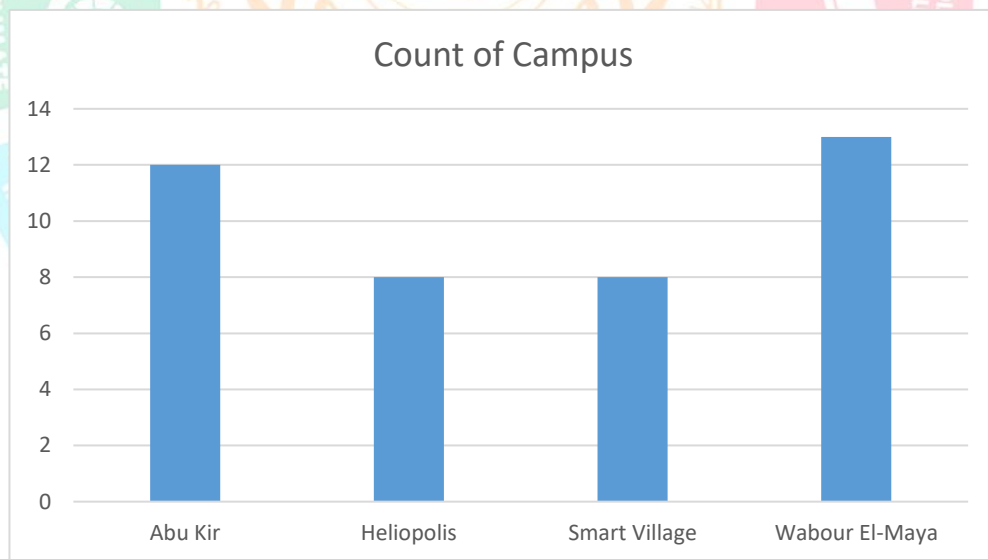
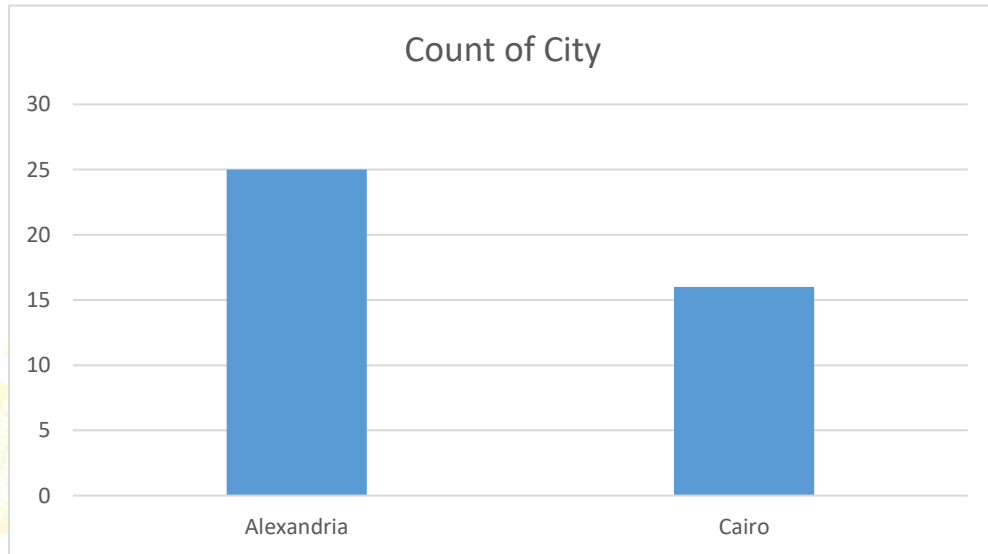
27-28
February
2022



the output of this initiative is awareness of how protect our climate



The statistics





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