

## 7.4.2 Public pledge toward 100% renewable energy (petitions, meetings, discussions, events) beyond the university

**USAID** **The American University in Cairo** **MESSORRA**  
*Center of Excellence for Water*

**Webinar**  
**Water-Energy-Food Nexus and its connectivity to SDGs**  
 Tuesday, March 1st, 2022 at 6PM Cairo Local Time (CLT)

**This webinar will focus on:**

- Development of an Integrated water - Energy - Food (WEF) nexus system
- Developed Solar - agriculture greenhouse system that grows its own energy and irrigating water.
- Novel and green solution for food and water crisis in and areas
- Importance of WEF Nexus
- Nexus Elements Integration and tools
- WEF and its impact on SDGS

**Speakers**



**Prof. Brent Haddad**  
 Brent Haddad, MBA, Ph.D. is a Professor of Environmental Studies at the University of California, Santa Cruz. He is the founding director of UCSC's Center for Integrated Water Management.



**Prof. Abdelazim Negm**  
 A Professor of Hydraulics and (Water Resources) at Zagazig University and is very interested in sustainable water resources management and sustainability studies



**Prof. Hassan Fath**  
 A well-known MENA-DCG regional expert in Desalination and Energy Systems (DES) including Water-Energy-Food-Environment (WEFEC) applications.

**Register here:**  
<https://bit.ly/3GLhUYJ>

**Suggested Audience:** Biogeophysical group

This webinar is organized by Washington State University.  
 The Center of Excellence for Water is a USAID funded project aiming at creating a Center of Excellence for Water at Alexandria University, Egypt. The project is managed by the American University in Cairo (AUC) and has multiple partners and stakeholders.

Disclaimer: The information provided in this webinar is not official U.S. Government information and does not represent the views or positions of the U.S. Agency for International Development or the U.S. Government

In the frame of the webinar series, the Center of Excellence for Water organized the twenty first webinar with California Santa Cruz University and Zagazig, entitled: "Water Energy Food Nexus and its connectivity to SDGs"



Discussing ways of cooperation between Alexandria University and the Vice President of the Climate Group at the University of Cambridge in Britain and the official for international cooperation in the COP26 university network on the issue of climate change and ways to enhance academic and research relations and aspects of joint cooperation in preparation for the COP27 conference. The attendees gave a presentation on Alexandria University's projects in the field of environmental sustainability in preparation for the COP27 climate conference, and included projects on the production of green and grey hydrogen, the design and manufacture of electric vehicles, the establishment of the Alexandria University Company for Energy and Water Services, and the establishment of an electronic components manufacturing center, in addition to preparing studies on diversifying energy sources. Egypt's role as a regional energy center and the contributions of the Suez Canal to reducing carbon emissions at the international level.



Alexandria University held a symposium on "Climate Change and Green Transformation: The Vision of Alexandria University with several universities and scientific bodies to participate in the COP27 climate conference. These projects include the use of green hydrogen and green ammonia in the fertilizer industry in cooperation with the Egyptian Chemical Industries Company (Kima), the establishment of the Alexandria University Company for Energy and Water Services, the localization of the electric car industry inside Egypt through the design and manufacture of the electric bus and the electric car, the role of the Suez Canal in reducing carbon emissions on the global level, the establishment of the Alexandria University Centre for the blue-green economy, the role of Egypt as a regional centre for Energy, the production of green and grey hydrogen, the establishment of the Electronic Components Manufacturing Centre, in addition to the establishment of the Alexandria University Centre for Sustainable Development, with the aim of achieving sustainable development goals within the Alexandria University campus in order to turn it into a green university.



The first activity of the Greener Blue Economy Center at Alexandria University, a workshop held under the title "Sustainable Blue Economy Issues in the Mediterranean Basin Countries", in the Conference Hall at the Faculty of Commerce, generating electricity from water energy, mining activities in the seas and oceans, marine tourism, fishing activities, extracting raw materials from the sea, and other forms of economic activity mainly related water resources.



Faculty of Pharmacy, in cooperation with the students of the Scientific Society of Faculty of Pharmacy, organized a sports marathon for walking and cycling under the title "Running for Green" within the framework of the preparations of Faculty of Pharmacy and University of Alexandria for the Climate Change Conference COP27 which was held in Sharm el-Sheikh in November 2022.



A cooperation agreement between Alexandria University and the Egyptian Chamber of Commerce in Alexandria to establish a solar energy station at the Faculty of Engineering. Under this agreement, the Faculty of Engineering - Alexandria University operates the station with solar energy within the framework of the MAIA-TAQA and SOLE projects funded by the European Union, within the framework of the Mediterranean Basin Cross-Border Cooperation Program EU ENI CBC Med.

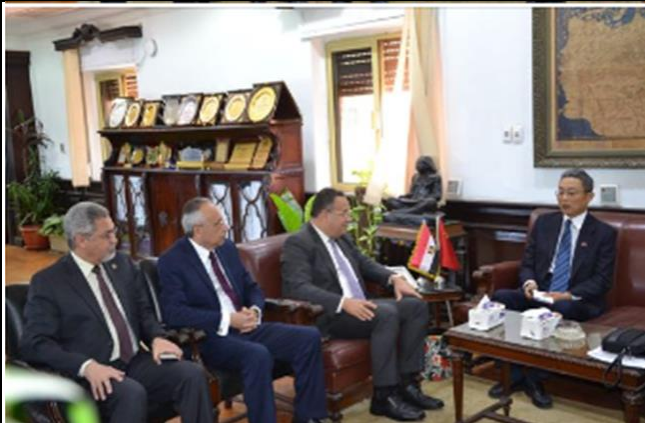
It is worth noting that the "SOL" project, funded by the European Union, supports the energy rehabilitation of public buildings in an effective and economical manner, and ensures the consumption of clean, low-cost energy.



The preparatory webinar for the COP28 Climate Conference, which was organized by the International Committee for the Development of Dry Lands, the Regional Action for Climate Change Foundation in Japan, the “Nizami Ganjavi” International Centre, and the African Organization for Young Leaders, at the Conference Centre of the Faculty of Medicine. The webinar discussed many important topics, including climate change and dry lands, food security, biodiversity, energy and sustainable development, political will and human solidarity needed for change, adaptation, African youth's view of climate change, the Egyptian perspective on climate change, and funding requirements.



Alexandria University Wins First Place in Innovations & Patent Index Ranking and Silver Medal in New Energy Projects at 7<sup>th</sup> Cairo International Exhibition for Innovation Fair 2023



**Professor Dr. Abdelaziz Konsowa, President of Alexandria University, met with Ambassador Yang Yi, the Chinese Consul General in Alexandria, to discuss enhancing cooperation between the university and Chinese institutions. The discussion, attended by various university officials, focused on establishing partnerships in areas such as clean energy, water desalination, artificial intelligence, and the study of Arabic and Chinese languages. Ambassador Yang proposed collaboration by sending Chinese professors to teach at the Faculty of Arts and facilitating student exchanges to study Chinese language and culture in China.**



The European Union project to convert several buildings of Alexandria University into green buildings by reducing energy consumption in addition to establishing solar-powered power stations: the Specialized Scientific Programs Building at the Faculty of Engineering, the Faculty of Education Building within the Literary Colleges Complex, and the Manchester Building at the Faculty of Medicine.



The Minister of Higher Education chairs the meeting of the Supreme Council of Universities at Alexandria University supporting the **“Egypt Digital Cubs” initiative organized by the Ministry of Communications and Information Technology, by allowing the use of electronic testing laboratories spread throughout all public universities**, to conduct admission tests for applicants, by activating a tripartite cooperation protocol between the Ministry of Higher Education and Scientific Research, the Ministry of Communications and Information Technology, and the presidents of public universities. **The Ministry launched the green financing initiative for research, development and innovation to support applied projects that contribute to solving environmental problems, nature conservation, clean energy, waste recycling, etc.** They also reviewed the ongoing partnerships between the Ministry and various countries of the world, the Association of African Universities, and the Union of Arab

Universities.



Faculty of Education Launches “Go Green” Initiative, part of Freshmen Activities to raise awareness of the importance of afforestation, waste recycling, and rationalization of food and energy consumption, to change the wrong behaviour, spread environmental awareness, and urge students to participate in preserving the environment, explaining that the students presented practical activities for some courses under the title "Go Green", where each student actively participated in planting trees in the faculty courtyard. The students actively took part in this initiative out of a sense of responsibility towards themselves, their faculty, their university, and the environment around them.



Alexandria University participated in the **Forum for Activities and Events of Egyptian Public Universities to Confront Climate Change 2022**, during the period from (September 22-23, 2022) at the Galala Tulip Hotel in Ain Sokhna with a group of research topics in the field of climate change and applied projects related to it included the uses of green hydrogen and green ammonia in the fertilizer industry, the establishment of an energy and water services company, the localization of the electric car industry within Egypt, the role of the Suez Canal in reducing carbon emissions at the global level, and the establishment of the Alexandria University Center. For the greener blue economy, Egypt's role as a regional energy center and the establishment of the Alexandria University Center for Sustainable Development



Cooperation Protocol between Alexandria University and Atomic Energy Authority the signing of a protocol comes in line with the tasks and objectives of the Atomic Energy Authority, which focus on providing advanced research and service capabilities and facilities necessary to support and expand the area of peaceful uses of atomic energy, technology transfer, development and preparation of qualified and trained cadres who are able to keep abreast of developments in the fields of peaceful use of atomic energy and research and development, in order to apply nuclear and radiological technology in various fields of development in accordance with Egypt's Vision 2030 and the goals of sustainable development. The protocol includes participation in awareness campaigns on the peaceful applications of atomic energy, and participation in organizing scientific events, including training courses, seminars, scientific conferences, and workshops.



Alexandria University obtaining the first place in the ranking of the index of innovation production and patents, and the second place and the silver medal in new and renewable energy projects on the green hydrogen and green ammonia production project, at the conclusion of the activities of the Cairo International Innovation Fair 2023 in its seventh edition.



Saturday the 29th of October 2022, Alexandria University held a symposium on “Climate Change and Green Transformation: The Vision of Alexandria University” in Presence of Dr. Mahmoud Mohieldin High-Level Climate Change Champion for the Egyptian Presidency to the United Nations Convention for Climate Change COP27 and the UN Special Envoy on Financing 2030 Sustainable Development Agenda. Dr. Konsowa also highlighted the cooperation between Alexandria University and many partners at the governmental, academic, and industrial levels regarding the issue of climate change, and he said that Alexandria University has prepared 9 projects in the field of environmental sustainability, in collaboration with several universities and scientific bodies to participate in the COP27 climate conference. These projects include the use of green hydrogen and green ammonia in the fertilizer industry in cooperation with the Egyptian Chemical Industries Company (Kima), the establishment of the Alexandria University Company for Energy and Water Services, the localization of the electric car industry inside Egypt through the design and manufacture of the electric bus and the electric car, the role of the Suez Canal in reducing carbon emissions on the global level, the establishment of the Alexandria University Centre for the blue-green economy, the role of Egypt as a regional centre for Energy, the production of green and grey hydrogen, the establishment of the Electronic Components Manufacturing Centre, in addition to the establishment of the Alexandria University Centre for Sustainable Development, with the aim of achieving sustainable development goals within the Alexandria University campus in order to turn it into a green university.