



جمهورية مصر العربية
رئاسة مجلس الوزراء



The American
University in Cairo

NET ZERO INTERNATIONAL CONFERENCE

(Act to Net Zero)

26 -28 May 2023

At The American University in Cairo
Alfi Hall & Bassily Auditorium

STRATEGIC
PARTNERS



ECOSTRATEGIES
for Sustainable Development



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GREEN
BUILDING
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UNDER THE AUSPICES OF H.E. Dr Mostafa Madbouly, Prime Minister of Egypt

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Organized by



Committee

President: Salah El-Haggag, Professor of Energy and Sustainable Development at AUC and President of Egypt Green Building Council

Technical committee: Salah El-Haggag, Sherine Fahmy, Hala Omar, Hoda Anwar, Sara Harb, Mianda Khattab

Organizing committee: Sherine Fahmy, Hala Omar, Hoda Anwar, Mohamed El-Haggag, Sara Harb, May Farag, Yasmine Mansour, Mianda Khattab, Rana El-Kady, Amany Maher and Osama Kamel.

Roadmap committee: Salah El-Haggag, Sherine Fahmy, Hala Omar, Hoda Ibrahim and Sara Harb, Lama Elhatow

Marketing committee: May Farag, Amany Maher, Nehal Wahied, Marina Henery, Samar H. Abou Elkheir

Introduction

The anticipated effects of climate change threaten several aspects of Egyptians' livelihood, including water availability, food security and energy supply. Meanwhile, higher temperatures and faster evaporation rates are projected to raise the water requirements of key Egyptian crops. Egypt's large agricultural sector will likely be affected by a hotter, drier climate coupled with worsening water scarcity. This may weaken the country's ability to feed its growing population as well as negatively affect its export economy, of which agricultural products are a key component.

Along those lines, Egypt has adopted an approach towards achieving sustainable development that is characterized by a high level of ambition, firm commitment, and dynamic innovation. Despite challenges, Egypt was able to accommodate and set a solid foundation for sustainable development through strong public support, as well as regional and international cooperation. Egypt is determined to pave the way towards a sustainable future as stated by H.E. Abdel Fattah El-Sisi in the open session of COP 27 in Sharm El Sheikh last year ***“Now is the time for action and implementation. There is no room to retreat or use challenges as pretexts to satisfy that. Missing the opportunity means squandering the legacy of future generations; our children and grandchildren”***.

Along the same lines related to climate change and proactive innovative actions to support incorporating sustainability, **the first-of-its-kind Net Zero International Conference will bring together education institutes, government representatives, the private sector, financial institutes, and civil society to explore opportunities and debate challenges and transfer knowledge to help pave the way towards a Net Zero future.**

CONFERENCE AGENDA

Day 1: Friday, 26 May

Location: AUC

Theme: Initiatives to Pave the Way Towards Net Zero

02:00pm	Registration
03:00 PM	Opening Remarks Salah El Hagggar, Professor of Energy and Sustainable Development at AUC, President of Egypt Green Building Council and conference president.
03:30 PM	Keynote Speeches Dr. Ehab Abdel Rahman, Provost of AUC H.E. Dr. Yasmine Fouad, Minister of Environment H.E. Dr. Nevine El-Qabbaj, Minister of Social Solidarity H.E. Dr. Hani Sewelam, Ministry of Irrigation and Water Resources H.E. Dr. Razan El Mubarak, COP 28 Champion (Recording)
04:30 PM	Coffee Break and Light Lunch
05:30 PM	Session 1: Initiatives to Pave the Way Towards Net Zero The aim of this session is to shed light on initiatives (education, civil society, government, private sector, and financial institutes) to illustrate the importance of innovation and collaboration to shape the future and accelerate the way towards Net Zero. Speakers: Amb. Hisham Badr: Smart Green National Initiative Salah El-Hagggar: Neutral Carbon Emission and Zero Emission - a business opportunity Sarah El-Battouty: UNFCCC – race to zero intuitive Hoda Ibrahim: Carbon footprint Panellists <ul style="list-style-type: none">• Amb. Hisham Badr: Smart Green National Initiative• Sarah El-Battouty- Race to Zero – UNFCCC representative• Salah El-Hagggar, Race to Net Zero – AUC initiative in COP 27• Hoda Ibrahim: carbon footprint Moderator: Hala Omar
07:30 PM	Closing remarks

Theme: From Pledges to Implementation

9:00 AM	Registration
10:00 AM	Opening Remarks Salah El Hagggar, Professor of Energy and Sustainable Development at AUC and President of Egypt Green Building Council
10:15 AM	Keynote Speeches Victoria Burrows: Advancing Net Zero - World GBC (recording) Salah El-Hagggar, A proposed scenario for Net Zero emission
11:00 AM	Session 2: Net Zero Solid Waste The aim of this session is to discuss innovative solutions to help approach Net Zero waste in different sectors. Speakers <ul style="list-style-type: none"> • Hala Omar: “Net Zero Waste in rural Communities” • Ahmed Tarek: “Net Zero E-waste strategy and guideline “ (recording) • Sally El-Gizawy: Net Zero C & D wastes • Dalia Nakhla: Net Zero industrial waste Panellists <ul style="list-style-type: none"> • Hala Omar, Net Zero Rural communities • Sally El-Gizawy: Net Zero C & D waste • Dalia Nakhla : Net Zero industrial waste • Karim Elsabee, Reliance Investments • Salah El-Hagggar: Net Zero organic waste Moderator: Sherine Fahmy
01:00 PM	Coffee Break and networking
02:00 PM	Session 3: Net Zero Water and Wastewater The aim of this session is to discuss innovative solutions to help approach Net Zero wastewater in different sectors. Speakers: <ul style="list-style-type: none"> • Mianda Khattab: Sustainable Urban communities approaching Net Zero waste water • Salah El-Hagggar: Net Zero wastewater proposed Strategy • Ahmed El-Gendy: Sustainable grey water treatment using the Net Zero concept Panellists <ul style="list-style-type: none"> • Mianda Khattab: Sustainable urban communities with Net Zero wastewater • Ahmed El-Gendy: Sustainable grey water treatment using Net Zero concept • Essam Shabaan: Sustainable landscape • Salah El-Hagggar: Net Zero wastewater strategy • Moustafa Samir Moussa: Net Zero wastewater Moderator: Lama Elhatow
04:00 PM	Session 4: Net zero and Decarbonization (sponsors) <ul style="list-style-type: none"> • SAINT GOIBAN Glass Egypt • A3 & Co – Together for Excellence • Enova • AGC Obeican Glass • Circles • Coca Cola Moderator: Hoda Ibrahim
05:00 PM	Lunch and closing remarks

Theme: Build to Net Zero

9:00 AM	Registration
10:00 AM	<p>Opening Remarks</p> <p>Salah El Hagggar, Professor of Energy and Sustainable Development at AUC and President of Egypt Green Building Council</p>
10:15 AM	<p>Keynote Speeches</p> <p>Amr Serag: Net Zero energy residence and mobility for a sustainable future Amr Seleem: Building resilience for the future: The power of Net Zero in MENA (recording)</p>
11:00 AM	<p>Session 5: Paving the way to Decarbonization</p> <p>The aim of this session is to discuss innovative energy solutions and the reduction of embodied energy in materials.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Amr Nader: Road Map for cement sector transition to Net Zero • Dalia Sakr: Role of Champion in EIP using net zero concept • Sara Harb: Sustainable wall paints: a LCA approach • Philippe Pilon: Saint-Gobain Glass Egypt <p>Panellists:</p> <ul style="list-style-type: none"> • Amr Nader, Dalia Sakr, Sara Harb, Salah El-Hagggar, Philippe Pilon <p>Moderator: Rana El-Kady</p>
01:00 PM	Coffee Break
02:00 PM	<p>Session 6: Sustainable Communities and sustainable buildings- Case Studies</p> <p>The aim of this session is to throw light on actual case studies in Egypt.</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Gamil Helmy: Green Plan for Decent Life-Egypt Initiative, Ministry of Planning • Mona Essam: Descent life- Africa • Sarah El-Battouty: the first sustainable rural community in Egypt: Fares village • Sherine Fahmy: Sustainable communities using the Net Zero concept: The Golden Gate case study <p>Panellists</p> <ul style="list-style-type: none"> • Gamil Helmy, Mona Essam, Sherine Fahmy, Sarah El-Battouty, Salah El-Hagggar <p>Moderator: Aliaa Samaha</p>
04:00 PM	<p>Session 7: Announcement of Tarsheed Net Zero Certificate</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Maysoun Ali: CIB – Net Zero initiative • Mianda Khattab: Tarsheed Net Zero Certificate • Sherine Fahmy: Tarsheed communities, platinum of M1 <p>Presenting the Tarsheed Communities certificate</p> <p>Mohamed Zayed: Net zero wastewater and Solid waste of M1</p> <p>Presenting the Tarsheed net zero certificate</p> <p>Moderator: Salah El-Hagggar</p>
05:00 PM	<p>Session 8: Closing Remarks – Salah El-Hagggar</p> <ul style="list-style-type: none"> • Acknowledgement (Sponsors -Egypt GBC Board members -Organizing committee) • The way forward <ul style="list-style-type: none"> ◦ Developing the global Climate Change Roadmap ◦ Egypt GBC annual conference ◦ Egypt GBC eNews letter (twice a year) • Conclusion & Recommendation <p>Moderator: Salah El-Hagggar</p>
06:00 PM	Dinner

Speakers & Panellists



Dr.Salah El Hagggar

Professor of Energy and Sustainable
Development, Mechanical Engineering
Department
The American University in Cairo



Dr.Ehab Abdel Rahman

Provost of the AUC
The American University in Cairo



H.E. Dr. Yasmine Fouad

Egypt's Minister of Environment



H.E. Dr. Nevine El-Qabbaj

Egypt's Minister of Social Solidarity



H.E. Dr. Hani Sewilam

Egypt's Ministry of Irrigation and
Water Resources



H.E. Dr. Razan El Mubarak

President of the International Union for
Conservation of Nature (IUCN)
COP 28 Champion



**Amb.Hisham Mohamed
Moustafa Badr**

National Coordinator of the
National Initiative for Smart
Green Projects



Sarah El-Battouty

UNFCCC Global Ambassador
High-Level Climate Champions



Hoda Ibrahim

Sustainability Manager, Alpin Limited
Board member of Egypt GBC
PhD candidate in Sustainable
Development



Victoria Burrows

Director, Advancing Net Zero
World Green Building Council



Dr. Hala Omar

Vice President of Egypt GBC
Senior Sustainability Specialist,
Dar Al-Handasah



Ahmed Tarek

Mechatronics Engineer with a MSc.
degree in Sustainable development
PhD candidate, Politecnico di
Torino, Italy



Dr. Sally El-Gizawy

Adjunct professor, the American University in Cairo, School of Science and Engineering
Professor, Badr University in Cairo



Dr. Dalia Adel Nakhla

EAAA Certified EIA and SWM Consultant
UNIDO Energy Management Expert
UNFCCC Climate Change Expert & IPCC
Editorial Board Member



Karim Elsabee

Chief Executive Officer
Reliance Investments



Sherine Fahmy

Co-founder & Treasurer Egypt GBC
Chief Executive Officer, EcoStrategies for Sustainable Development
Adjunct Faculty, School of Sciences & Engineering, AUC



Dr. Mianda Khattab

An Inquisitive Engineer and
Marketeter



Dr. Ahmed El-Gendy

Professor in the Department of Construction Engineering
Director of the Environmental Engineering Graduate Program
The American University in Cairo



Moustafa Samir Moussa

Associated professor, Director of the Valley of Science & Technology
Director of Sustainable Development Center, Zewail city of Science & Technology



Lama Elhatow

Environmental Consultant



Mr. Philippe Pilon

Managing Director
Saint-Gobain Glass Egypt



Amr Nader

Chief Executive Officer
A³&Co.



Ayman Elkady

Business Development Mgr.,
AGCObeikan, North Africa



Hussam Aliy

Projects Manager
CIRCLES for FLOAT GLASS
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Dr. Amr Serag El Din

Professor of Energy
Mechanical engineering Department
The American University in Cairo



Amr Seleem

Climate Resilience Advisor
High-level Climate Champions Team and
Board Member of Youththinkgreen



Dr. Dalia Sakr

Senior Circular Economy and
Sustainability Expert
SHiFTERRA Consultancy



Sara Harb

An architect with a MSc. degree in
Sustainable development and a
sustainability consultant in
Masader | Environmental Solutions
& Energy Services



Dr. Mona E. Fayed

Assistant Minister for Sustainable
Development Affairs
Ministry of Planning and Economic
Development



Dr. Gamil Helmy

Assistant Minister For
Monitoring Affairs
Ministry of Planning and
Economic development.



Rana Al Kady

Senior Sustainable and
Environmental Specialist, RCREEE.
PhD Candidate in Environmental
Engineering, ACU



Mohamed Zayed

Project manager engineer of M1



Dr. Maysoun Ali

Head of Sustainability & E&S
Management Systems



Yasmin Mansour

MEng., SFP, FMP., AUC Sustainability
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Aliaa Samaha

Environmental Specialist
STEAM Instructor