

## Annual Report

### SDG13 Climate Action (updates 2023 vs. 2024)

In the year 2023/2024, BUC has taken many positive steps to achieve SDG 13 (Climate Action):

1. BUC has hosted the "World Environment Day Workshop on the 5<sup>th</sup> of June 2023", in which they discussed climate change risks, impacts, mitigation, adaptation, impact reduction and early warning.
2. Different schools at BUC provide local education programmes on climate. More than 20 courses are taught in different programs that are in close link to climate change risks, impacts, mitigation, adaptation, impact reduction and early warning.
3. BUC has activated the Climate Action plan, which includes four main goals: (1) Energy saving and reduce carbon emission, (2) water conservation and wastewater reuse, (3) reduce waste and Sustainable purchasing, and (4) sustain climate action.
4. One of BUC staff (Ass. Prof. Mohamed Khaled) has become a Chairman of the Sustainable Projects and Environmental Engineering Committee, Made in Egypt Eco & Green institution. He is participating in co-operative planning for climate change disasters with different ministries in the government.
5. BUC Incubator provide also support/fund to start-ups related to climate change, refer also to the first attached file.
6. BUC is cooperating with local, regional, national or global governments on climate changes issue. BUC has also contributed in many climate changes related project through her Environmental Engineering Expert (Ass. Prof. Mohamed Khaled) and Mechanical Engineering Expert (Ass. Prof. Gamal Abdo). BUC also provides support to local or regional government in local climate change disaster/risk early warning and monitoring, refer to second attached file.

Project number	Project name	Funder
1	Greater Cairo Air Pollution Management and Climate Change Project	Ministry of Environment
2	Medical and Electronic Waste Management Project	United Nations Development Programme (UNDP)
3	Develop the National Wastewater Sludge Management Plan	Gesellschaft für Internationale Zusammenarbeit (GIZ)
4	Central collection for solid waste project	Ministry of Local Development, Egypt
5	Integrated Water Solutions Support (IWSS) Project: El Roda Water Desalination Plant, Aquaculture and Solar Energy	United States Agency for International Development (USAID)
6	Kitchener Drain Rehabilitation Project Technical Assessment Report: Update to the Omar Bek Diversion Component	The European Bank for Reconstruction and Development, "EBRD"

7. BUC is currently participating in a Mega project titled “Integrated biofuels, aquaculture and agriculture project utilizing non-agricultural grade land and untreated seawater” as an academic consultant. In this project, Algae, Vegetable Oil & Biofuel will be produced. Fish farms and solar cells are an integrated part of this project.
8. BUC has a plan called "BUC Green University Plan 2025", where there a timeline to achieve the following targets that are related to Greenhouse Gas reduction: (1) Replace old devices with modern devices that consumes less energy, (2) Install lighting sensors in BUC buildings, and (3) Install solar cells above BUC buildings. BUC has taken some positive steps toward the target of becoming carbon neutral. BUC has a target to reduce carbon emissions by 10% by 2025.