



# Earth's Climate for Sustainable Development Foundation—EC4SDF

Make a difference!

We Do What  
We Believe In!



## OUR NAME

EC4SDF, is a non-Governmental, nonpartisan, non-profit making, organization advocating for climate justice. Since its inception as an initiative under name (GEMEZA) in 2017, EC4SDF has evolved remarkably and has become renowned for being an organization strengthening other civil societies and improving the livelihoods of local communities using a participatory and holistic approach. In 2022, GEMEZA's fulfilled the Egyptian government requirements to get legally registered under the ministry of Social Solidarity as a non profit organization (registration No. 11485 for 2022) with a new name (Earth Climate for Sustainable Development "EC4SDF") and GEMEZA become one of EC4SDF special programs with concentration on climate change and children.

## ABOUT US

EC4SDF was initially founded by a group of environmental believers trying to make a difference in people's life. Gemeza team of experts and professionals have been working together for over 18 years within depth expertise in all aspects related to environment, climate change and sustainable development. The diversity and experience of EC4SDF team has enabled it to provide expertise and solutions for youth, women and local communities in Egypt and the region.



## Vision

The vision of the organization is to become a Centre of Excellence of climate change on the national and regional level which aspires for clean and safe environment that can benefit all citizens equally and in a sustainable way.

## Mission

The mission of EC4SDF is to be the best provider of knowledge and skills to the society in order to change their attitudes, behavior and practices toward environmental and climate justice through participatory and holistic approach.

## Values

In our work ,we strive to achieve excellence and brilliance in all what we present, putting into consideration the ethical standards.The following five core values embody our culture, spirit and dedication

- **Integrity:** Uphold highest standards of integrity, diligence and sincerity in all our actions.
- **Diversity:** Meet our clients different needs.
- **Quality:** Provide outstanding Services to deliver premium value
- **Passion:** Commit in heart and mind to make a positive difference
- **Community:** Contribute to the communities in which we operate and leave people better than we found them.

## CLIMATE CHANGE AWARENESS IN ARABIC

Monakh Ardna (Our Planet Climate)



As Arabic resources on climate change awareness are minimal, Gemeza decided to offer Arabic speakers a YouTube channel and a Facebook page helping them recognizing the relation between our life style and climate change impacts and understanding the role of Science, Negotiation and Policy in shaping our future on planet earth. Series of Arabic webinars have been provided with our partners in Europe and Arab Gulf to provide an integrated package of awareness on different environmental topics.

## EC4SDF Youth Training Program



Green projects are the required solution for the deviation from the business as usual to reduce carbon footprint, increase resilience and achieve sustainable development.

## EC4SDF Kids Program - GEMEZA

Environmental Awareness and Education for our Community



Raising kids awareness about climate change and environmental issues is one of our objectives in Gemeza. Different approaches such as Theater, Drawing, Story Telling, Recycling workshops, were used to actively engage our community in the environmental issues as active learning is proved to provide better learning experience.



## Our main goal

Analysis of recent greenhouse-gas emissions (e.g. Global 500) and pledges made by countries in Paris at the COP 21 show that the world will warm by 3.0 ° C, way beyond 1.5-2 ° C. Increasing the frequency and intensity of climate change extreme weather events worldwide and in the MENA region, shed the light on the importance of climate mitigation and adaptation actions. The number of national and regional consultation firms working in the field of climate change is still below the markets' needs. Therefore, our goal is to fill the market gap and meet our clients' needs offering and providing them our high quality services and expertise.



## Our approach

Tackling climate change and managing an organization's environmental impacts and dependencies is critical in several ways. For instance, good environmental management helps organizations reduce their costs by saving energy, water or raw-material inputs. Setting meaningful carbon prices and science-based targets, addressing environmental impacts and reducing pollution contributes to climate protection, a better living environment for employees and customers and a strengthened reputation. In many cases, superior environmental management can drive product quality. Ultimately, organizations want to manage their environmental impacts because it is the right thing to do. Irrespective of our clients' motivations, we are here to support them to find innovative and effective ways to tackle climate change, improve environmental performance and achieve their objectives through innovation and responsible investment.



## Our expertise

**Carbon Management:** We calculate our clients' carbon footprint, define realistic emission reduction targets and develop a suitable strategy for implementation. This includes improved ways of managing energy use, including energy efficiency targets and the introduction of renewable energy technologies.

**Climate Resilience:** We assist clients in determining the business potential of climate-resilient products and help them develop comprehensive climate-resilient business models.

**Assessing environmental impacts:** We conduct analyses of an organization's environmental impacts. These include approaches such as Life-Cycle Analyses (LCA), Hot Spot Analyses, Carbon Footprinting and other tools and measures that allow clients to understand how their operations are affecting the environment.

Make a difference!

# OUR SERVICES ARE ALIGNED WITH OUR TEAM

## AREAS OF EXPERTISE

### Preparation and estimation of Greenhouse Gas Inventories



Greenhouse gas inventories are a type of emission inventory that are developed for a variety of reasons. Scientists use inventories of emissions as tools when developing atmospheric models. Policy makers use inventories to develop strategies and policies for emissions reductions and to track the progress of those policies. Regulatory agencies and corporations also rely on inventories to establish compliance records with allowable emission rates. Businesses, the public, and other interest groups use inventories to better understand the sources and trends in emissions. These inventories are one of the reporting requirements under UNFCCC.

### Clean Development Mechanism Projects (CDM)



The Clean Development Mechanism (CDM) is one of the Flexible Mechanisms defined in the Kyoto Protocol that provides for emissions reduction projects which generate Certified Emission Reduction units (CERs) which may be traded in emissions trading schemes. Our services involve the identification of emission reduction potential and identification of the eligibility of projects under this scheme, development of project idea notes and project design documents and provide consultancy services until the issuance of credits.

### Nationally Appropriate Mitigation Actions (NAMAs)



NAMAs are policies, programmes and projects that developing countries undertake to contribute to the global greenhouse gas (GHG) emission reduction efforts. They are central instruments in addressing the GHG emission reductions of the developing countries. Our services extend to NAMA mapping, development of NAMA identification Notes and NAMA Design Documents.

### MRV Systems



Monitoring, reporting and verification (MRV) systems aims at enhancing transparency through the tracking of national GHG emission levels, mitigation and adaptation measures as well as the tracking of climate finance flows received. MRV facilitates sharing information and lessons learnt and allows assessing whether set targets have been achieved. This creates transparency and shows the continuity of a country's actions, which internationally strengthens trust of climate finance donors and other investors. Transparent MRV approaches can improve comparability at national and international level thus supporting coherence between domestic and international MRV systems. Our services involve developing and delivering training programs on thematic Climate MRV best-practice, as well as the development of the MRV system design.

### Carbon Trading Systems



Carbon emissions trading is a form of emissions trading constitutes the bulk of emissions trading. This form of permit trading is a common method countries utilize in order to meet their obligations specified by the Kyoto Protocol and Paris Agreement. Under Carbon trading, a country or a polluter having more emissions of carbon is able to purchase the right to emit more and the country or entity having fewer emissions sells the right to emit carbon to other countries or entities. The polluting entities emitting more carbon thereby satisfy their carbon emission requirements, and the trading market results in the most cost-effective carbon reduction methods being exploited first. Our services involve the preparation of a comparative study among the various mechanisms for a carbon trading system: carbon taxes / carbon pricing / carbon trading / etc), the suitability of one or some of them in the national market to implement reduction commitments.

### Green Climate Fund (GCF)



GCF is a fund established within the framework of the UNFCCC as an operating entity of the Financial Mechanism to assist developing countries in adaptation and mitigation practices to counter climate change. The objective of GCF is to support projects, programmes, policies and other activities in developing country Parties using thematic funding windows. Our services involve the development of GCF concept notes and project documents.

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### Low Emission Development Strategy Frameworks (LEDS)



A Low-Emission Development Strategy (LEDS) is a national, high-level, comprehensive, long-term strategy, developed by domestic stakeholders, which aims at decoupling economic growth and social development from greenhouse gas (GHG) emissions growth. LEDS are one of the requirements under UNFCCC as well. Our services involves the development of LEDS at different levels (national, sectoral and corporation) and capacity building and tailored courses.

### Climate Change Strategies



Our services involve the development of climate change strategies at various levels (national, sub-national, local, etc.) to increase climate change resilience through a participatory climate change process, focusing on policies and plans to support policy-making entities to integrate climate change adaptation and exploring the mitigation potential of GHGs emissions. In order to reduce the pollution, enhance carbon footprint and improve citizens health and livelihood.

### National Adaptation Plans (NAPs)



The National Adaptation Plan (NAP) process helps countries conduct comprehensive medium- and long-term climate adaptation planning. It is a flexible process that builds on each country's existing adaptation activities and helps integrate climate change into national decision-making. Our services involve the development of NAP documentation required to be submitted to GCF to get the fund, and provide technical support and training for the implementation of NAP.

### Development of adaptation strategies



An Adaptation Strategy aims to increase society's resilience to climate change. It is a framework for managing future climate risk, prioritising and coordinating action. It offers the potential of reducing future economic, environmental and social costs. Our services involve the development and revision of adaptation strategies.

### Climate Change Negotiations



Our area of expertise extend to the active involvement in climate change negotiations process (NDCs, mitigation, adaptation, finance, technology transfer, capacity building and response measures). Our services involve the development of Policy Papers on Climate Change Negotiations, analysis of the future trends in light of negotiations and provide advice to project developers.

### Capacity Building & Training Courses



Our services involve the provision of tailored capacity building and training courses in all climate change related areas, such as GHGs inventories, mitigation potential, carbon trading..etc. In addition our experts are professional in conducting training courses on GIS and Remote Sensing for Climate Change Impact Analysis, Risk Assessment and developing required Adaptation measures.

**Make a difference!**



## BEHAVIORAL CHANGE

We have the experience to help organizations in behavioral change, saving civilization and protecting our planet.



## BIODIVERSITY

We are your agent to protect biodiversity for future generations and achieve sustainable development.



## RENEWABLE ENERGY

We are passionate about using the power of technology to better businesses and our planet.



## SEA LEVEL RISE

We own the expertise to support you face the challenge of sea level rise on natural resources and infrastructure.

### EC4SDF

22, 106 St., Maadi, 11728, Cairo,  
Egypt

Landline: (+2) (02) 25287265

Mobile/What's App.: (+2) 012 77 888 283

[www.ec4sdf.com](http://www.ec4sdf.com)

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