



Participatory Development Programme in Urban Areas Climate Change Adaption and Resilience in Informal Urban Areas

Context

The world's climate is changing; the impacts can already be observed and felt on the global, regional and local level. Climate change is considered one of the biggest challenges to development in the 21st century. More frequent, stronger and more erratic weather extremes will result in significant socio-economic and environmental losses. The latest assessment report by the Intergovernmental Panel on Climate Change (IPCC) concludes that most countries in the Middle East and North Africa region – including Egypt – are highly vulnerable to the impact of climate change. Cities are playing a key role when it comes to addressing this challenge.

At the same time, the urban population and infrastructure are increasingly at risk. Especially poor inhabitants are vulnerable to those impacts, lacking the financial means to pursue a sustainable livelihood. While a framework for climate change adaptation exists, neither policies nor actions are implemented at the local level. Concrete examples for community-based adaptation measures have yet to be applied. To address this challenge, the PDP has since 2011 incorporated a component in its portfolio dealing with climate change adaptation and strengthening the resilience of local urban communities.

Objective

The overall objective is to promote resilient communities and their efforts to adapt to the changing climate conditions, as well as, to increase information levels among public administration and civil society on the consequences of climate change, particularly in informal areas. Main objectives include:

- Development of a participatory and community-based adaptation strategy for informal areas in collaboration with Egyptian partners.
- Implementation of small-scale adaptation measures in informal areas in collaboration with residents and civil society in order to enhance urban resilience.
- Awareness raising and capacity development among local residents, civil society, ministries, public agencies and local administration on climate change adaptation and urban resilience.

Approach

PDP is pursuing the following intervention measures to achieve the objectives:

- Conducting a study on the expected effects of climate change on Greater Cairo, the climate sensitivity of particular areas, as well as community characteristics regarding climate change sensitivity, adaptive capacities, existing vulnerabilities and practices to cope with on-going climate challenges.

- Improving climate-related knowledge among local administration, national decision-makers and civil society.
- Increase the information level of the public administration through creating GIS maps for informal areas, documenting climate-relevant data e.g. to identify locations and neighborhoods which are particularly vulnerable to climate hazards.
- Raising residents' awareness on consequences of climate change for their livelihoods and ways on how to cope with those challenges in an adequate way.
- Promoting the implementation of community-based small-scale adaptation measures in informal areas to strengthen the inhabitants' resilience to climate change.

Results

The expected results are concrete community-based adaptation measures which contribute to appropriate resilience-building of local communities, as well as, to an increased awareness among local residents on climate change and environmental challenges. Further expected results are the improved information level among local administration and decision-makers on climate change adaptation and on sustainable and feasible adaptation solutions for the Greater Cairo Region. Finally, the experiences of the component will contribute to enhancing the overall knowledge on climate change adaptation in mega-cities of arid areas.

Partners in addition to the official PDP partners

Egyptian Environmental Affairs Agency (EEAA)
Egyptian Meteorological Authority (EMA)
Governorates of Cairo and Giza
UN-ISDR

Funding

Federal Ministry for Economic Cooperation and Development (BMZ)

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