

Global Project on Supporting the Export Initiative for Environmental Technologies

PROJECT OBJECTIVE: Supporting conducive framework conditions for the use of environmental and climate change mitigation technologies in selected partner countries

PARTNER COUNTRIES: Ukraine, India, Jordan, Thailand and Malaysia, Cuba

CONTRACTOR: Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)

PROJECT DURATION: 2017 to 2019



The Export Initiative

Increasing environmental pressures and impacts of global climate change have spurred demand for environmental and climate change mitigation technologies worldwide. Innovations in environmental and climate protection as well as in the area of resource efficiency offer not only significant potentials for the reduction of environmental impacts, but also considerable opportunities for sustainable economic development. The Export Initiative for Environmental Technologies, founded by the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) in 2016, aims at strengthening conducive framework conditions in developing and emerging countries for the application and lasting use of environmental technologies. The Export Initiative thus makes an important contribution to supporting sustainable livelihoods in accordance with the implementation of the Sustainable Development Goals (SDG).

GIZ's Global Contribution

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) launched a Global Project to support the Export Initiative in selected countries around the world, focusing on the dissemination of

environmental knowledge and know-how 'made in Germany' for integrated environmental and climate change mitigation technologies. To this end, GIZ provides technical advisory services in these countries and supports the use of innovative technologies through pilot projects.

Structural deficits and insufficient technical capacities in the partner countries hamper the use and diffusion of environmental technologies as well as the development of respective markets. At the same time, the countries are in need to promote environmental protection and climate mitigation at the national level and to comply with international commitments. The project's approach addresses these challenges by supporting partners to create favourable conditions for the use of appropriate, innovative technologies and combining it with entrepreneurial value for suppliers by stimulating the development of new markets.

Measures in the partner countries are implemented through ongoing bilateral GIZ projects in partnership with national political partners as well as in close cooperation with representatives of economic institutions and interest groups, and scientific research institutions. The country measures are coordinated by a central management unit located in Germany.

On behalf of:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

Cooperation with the Partner Countries



UKRAINE



INDIA



JORDAN



THAILAND AND MALAYSIA



CUBA



1

Participative and Sustainable National Urban Development Policies in Ukraine

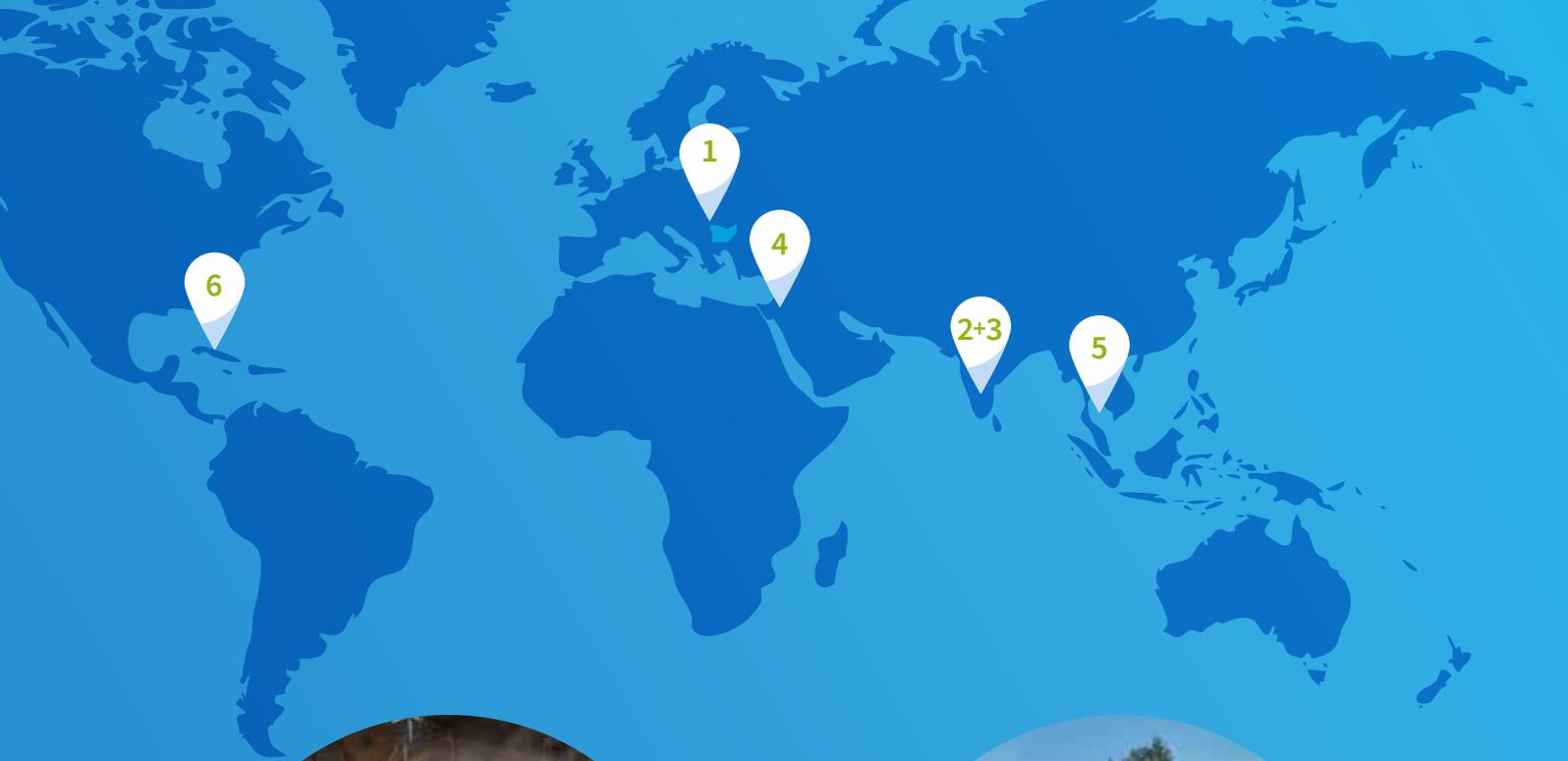
To date, only few Ukrainian cities apply approaches of participatory and sustainable urban development policies, and their implementation is oftentimes still limited. Cities and municipalities lack the human resources as well as necessary institutional structures and financial means for sustainable urban planning and respective city rehabilitation. The main objective of the cooperation with Ukraine is to further strengthen a German-Ukrainian city network established as part of a previous measure of the Export Initiative by promoting the exchange of experience through a study trip to Germany, organizing a city competition and conference in Ukraine on the topic of sustainable urban development, and by supporting an inter-ministerial working group. As a result, key administrative and institutional framework conditions are strengthened and incentives for the introduction of environmental technologies and sound planning standards are set. In addition, the capacities of relevant national and municipal entities are enhanced.



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European Environmental Standards for the Textile Sector in India

Increasing urbanization and industrialisation is the cause of many environmental problems in the metropolitan areas of India. The Indian textile industry is one of the industries associated with high environmental impacts. At the same time, compliance with environmental laws is insufficiently enforced and existing legal standards are often outdated. The objective of the cooperation with India is to transfer and adapt relevant European environmental standards and reference frameworks with their transparent procedures to local conditions as good practice examples. Facilitation of information exchange between industry and authorities on the use of Best Available Techniques (BAT) and technical consultancy regarding a systematic approach to technology-based standard are key measures, implemented by GIZ with technical expertise provided by the German Environmental Protection Agency (UBA). This strengthens the necessary coordination structures between the government and the industrial sector and improves the conditions for the integration of modern environmental technologies in the Indian textile industry.



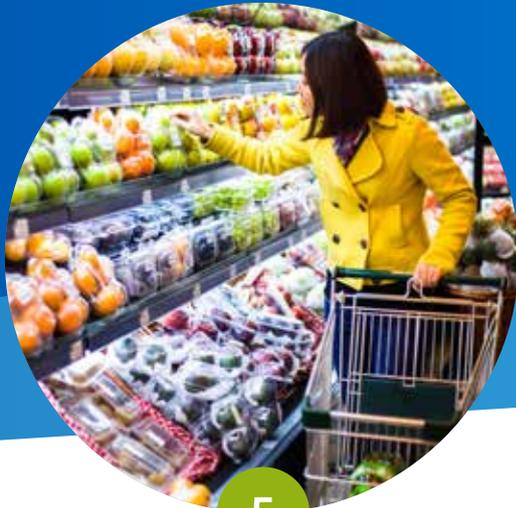
Environmentally Friendly and Efficient Waste-to-Energy in India

India's waste-to-energy (W2E) is still at the development stage and faces major challenges due to poor quality of incoming waste streams, inadequate operations and lack of technical monitoring. As a result, efficiency levels remain at a low level, while environmental impacts are potentially high. In 2016, a study of two thermal waste treatment plants in Greater New Delhi was thus commissioned and carried out. The results emphasized the need for technical upgrades and measures to improve environmental standards at the plants. The objective of the cooperation with India in regard to W2E is to present the optimisation potential of the facilities as well as Germany's practical experience and environmental standards as part of a meeting of the Indo-German working group for waste management, involving relevant public and private Indian institutions. This will create a suitable foundation for further steps towards improving both efficiency and environmental performance of waste management and W2E operations.



Optimisation of Wastewater Treatment Plants in Jordan

Jordan has set ambitious targets for reforming its water sector. However, the reform's implementation is still lagging behind due to insufficient human capacities in the country's water institutions as well as lack of funding for infrastructure measures, particularly for wastewater management. The objective of the cooperation with Jordan is the plant-specific analysis for two selected wastewater treatment plants with regard to energy consumption and CO₂ emissions and the identification of optimization potentials. Based on the assessments, the implementation of selected measures for improved energy efficiency and pilot applications of environmental technologies will serve as demonstration projects for the sector. In order to build up the necessary know-how for improved plant management, these measures will be accompanied by professional trainings and an international study trip for plant operators and representative of public water authorities. Thereby, the project contributes to the integration and use of energy efficient technologies in the Jordanian wastewater sector.



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Environmental Standards for Complex Services in the ASEAN Region

Until now, the experience and technical capabilities in much of Southeast Asia to make complex services, such as the operation of data centres and supermarkets, more environmentally sustainable and climate-friendly is still lacking. The objective of the cooperation specifically with Thailand and Malaysia is to develop ambitious sustainability criteria for providers of energy-saving contracting and for supermarkets with regard to their energy consumption for lighting, cooling and supply chains. The application of such criteria aims to improve energy efficiency and reduce CO₂ emissions in the service and building sector. With the support of the German Öko-Institute, German product standards such as the „Blue Angel“ label are presented and opportunities for cooperation with eco-label systems in the ASEAN region (Association of Southeast Asian Nations) identified. Accompanying measures such as professional trainings enhance the capacities of national experts, while a final international conference provides the opportunity to share the experiences and results of the project with other ASEAN countries.



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Sustainable Urban Development in Cuba

Due to the long political isolation of the country and continuous import dependency on energy sources, Cuba shows strong interest in catching up with international know-how in the areas of sustainable urban development and energy efficiency. The project's objective is thus to familiarise Cuban partners with innovative technology providers and available options in the area of sustainable urban development and energy efficiency in the building sector. To this end, mutual trade fair visits and study trips of delegations with representatives from the public and private sector to Germany and Cuba promote international exchange of experience and standards. These measures will be complemented by professional trainings for representatives of relevant ministries and governmental agencies on key areas of sustainable urban development. Thereby, the cooperation fosters institutional and administrative framework conditions for the use of green technologies and standards for sustainable urban planning. Moreover, the project contributes to strengthening trade relations between Cuba and Germany as well as efforts for a medium-term resumption of bilateral cooperation.

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