

Agriculture, Environment and Natural Resources

The ever increasing global population, projected to hit the 10 billion mark by 2050, has thrown our ability to feed ourselves into jeopardy. The global thrust to produce enough food has unfortunately often come at the expense of the environment; attempts to clear more land for production result in widespread deforestation, water resources are heavily taxed, and delicate ecological balances are disrupted. The biggest challenges facing the world will thus be intertwined with embracing greater sustainability and efficiency in food production and distribution, transforming agricultural systems and rural economies, and astute natural resource management.

e.Gen understands that the core challenge facing the agricultural sector is producing efficiently, while also preserving and enhancing farmers' livelihoods. Our services include assisting farmers with improving crop yields, providing engineering and project implementation assistance for agricultural infrastructure development initiatives, and analyzing value chains in agricultural markets. In addition, we also work to improve farmers' livelihoods by providing capacity building and training for adoption of better technologies and practices, analyze markets for potential growth, and provide comprehensive environmental management services.

Key Facts

15
Projects

4
Countries

\$6 Million
Project Portfolio

Featured projects

AFD | Disaster Risk Management and Institutional Strengthening (DRMIS) | The Philippines

The project aims to strengthen the Disaster Preparedness Audit (DPA), developed by Department of the Interior and Local Government (DILG) and focuses on flood risks, taking into account other climate-related and natural hazards, such as typhoons, storm surge, landslides, and earthquakes. e.Gen's experts conducted competency assessments using various tools, hazard-based DPA field test design and conducting necessary training through workshops and seminars.

ADB | LOAN 44321-013 CAM: Climate-Resilient Rice Commercialization Sector Development Program | Cambodia

The project is helping farmers in the largest rice-producing provinces of Battambang, Kampong Thom, and Prey Veng to increase production efficiency along the rice value chain and strengthen agricultural resource management. e.Gen was involved in design, remote sensing and climate change adaptation, including collecting weather data, analyzing the infrastructure, assessing operational capacity, quality of weather data, density, security, and quality of the weather station network.

USAID/LGED | Design and Supervision Consulting (DSC) for the Bangladesh Agricultural Infrastructure Development Program (BAIDP) | Bangladesh

This is the first government to government project in Bangladesh. LGED is developing Market Centers, Collection Center and Access Road to MC and CC and farm level small irrigation and drainage activities in over twenty southern districts of Barisal, Khulna and Dhaka divisions. e.Gen provided Implementation and engineering support, surveys, construction supervision, planning and monitoring, technical and topographic surveys, procurement of works and related services.



ADB | PPTA-8128 BAN: Preparing Coastal Towns Infrastructure Improvement | Bangladesh

The project addresses the social, environmental, and institutional constraints to inclusive development in coastal towns, and served to pilot new approaches in climate change adaptation. e.Gen was tasked to provide assistance to vulnerable coastal areas in adapting to the risks of climate change, as well as ADB's urban and water operational plans through socioeconomic and environmental data collection, consultations with project-affected people for preparing environmental safeguards documents.

Islamic Development Bank/Department of Agricultural Extension | Gopalganj, Madaripur, Shariatpur and Pirojpur Integrated Area Development Project (GMSP-IADP) | Bangladesh

The project GMSP-IADP was designed to improve the livelihood of Marginal and Landless farmers through various integrated projects. For that purpose, e.Gen conducted baseline study to identify the target groups' household, crop production, productivity, cropping intensity and diversification, technology and other inputs' use, income generation activities and opportunities.

Water Development Board/JICA | Feasibility Study for Improvement of Flood Forecasting and Warning Service | Bangladesh

Feasibility study was conducted to review the existing problems and requirements of Flood Forecasting and Warning Center (FFWC) of the Bangladesh Water Development Board (BWDB). e.Gen undertook baseline survey to gauge the impact of flood on the socio-economic conditions of rural people and how an effective flood forecasting and warning system can make positive contribution to the living conditions of the rural household.

ADB | TA 42173-014 BAN: Strengthening Monitoring and Enforcement in the Meghna River for Dhaka's Sustainable Water Supply | Bangladesh

With an aim to ensure environmentally sustainable and Inclusive economic growth. e.Gen assisted the Government of Bangladesh to strengthen the monitoring and enforcement mechanism for Meghna River to ensure long-term water security of Dhaka city. Our experts were involved in developing GIS-based water pollution mapping that includes information on the pollution sources and their extent., Incentive or reward system for pollution control and identifying Ecologically Critical Area (ECA).

ADB | TA 7826-BAN Support for Climate Change Mitigation for Renewable Energy Development | Bangladesh

Given its geophysical location, low deltaic flood plain, and erratic monsoon, Bangladesh is vulnerable to the impact of climate change and energy sector is the largest contributor of carbon dioxide emissions. As part of the Climate change mitigation support, e.Gen assisted the Sustainable Energy Development Authority (SEDA) in developing a sectoral road map, coastal area mapping; and provided training to counterpart staff on clean development mechanism (CDM), carbon trading and related activities.

World Bank/Nigerian Investment Promotion Commission (NIPC) | Palm Oil Industry Supply Chain Development Program | Nigeria

The Abia State Palm Oil Industry Supply Chain Development Programme aims to improve value addition and competitiveness of MSMEs in palm oil production by identifying constraints which will result in significant and sustainable impact in terms of growth and creation of more productive, better paid jobs. The project entailed palm oil value chain analysis; assessment of farmers, farms, nurseries, mills and fabricators and market analysis. e.Gen also provided technical services, training and workshop.

Other Projects:

- World Bank/Capital Development Authority (RAJUK) | Operationalizing the Urban Resilience Unit (URU) in RAJUK – Component C1 | Bangladesh
- Akij Group | ESIA and Gap Analysis Study for Shah Cement Industries Ltd. Expansion | Bangladesh
- JICA | Survey on Environmental and Social Guidelines | Bangladesh