

Mitigating & Adapting to Climate Change



Tetra Tech is a leading provider of international services in climate change mitigation and adaptation through approaches that center on improved governance, increased capacity, and rigorous analysis to drive development decisions.

The Tetra Tech model promotes integration of climate change planning into local and national development priorities, and assists stakeholders to access resources to achieve these goals. This stakeholder-led approach creates sustainability at all

levels, while ensuring that the needs of women, youth and marginalized populations are served and that these groups are empowered to participate in realizing resilient low emission development pathways.

Background

Tetra Tech's work spans 130 countries on six continents, and increasingly integrates climate change resiliency and low emission across our full range of urban and rural work in agriculture and food security, economic growth, water resources, infrastructure and planning, rule of law, democracy and governance, energy, transport, natural resource management, and land rights.

While Tetra Tech implements more than 20 large-scale international projects that are considered primarily climate change-focused, Tetra Tech is fully integrating climate change into our response to all development challenges.

In addition to technical and capacity building expertise, Tetra Tech manages \$78 million of grants under contract, to support locally developed and implemented solutions to development challenges. Through these grant facilities Tetra Tech helps local organizations build their financial and administrative capacity to work with a broader range of financing mechanisms and partners.

Services

Climate Change Mitigation

Tetra Tech is an international leader in low emission development planning and program implementation in emerging economies through work on clean energy, transport and industrial emissions, as well as in less developed countries where emissions from the land use sector dominate national profiles.

Clean Energy

As countries develop and seek financing for low emission development strategies and explore opportunities for Nationally Appropriate Mitigation Actions (NAMAs), Tetra Tech contributes to capacity building of national institutions and coordination of sectors around greenhouse gas emissions reporting, as well as providing sector specific analyses and technical expertise on mitigation opportunities.

Tetra Tech is supporting national level efforts in Kazakhstan, Colombia, Mexico, India and Indonesia to develop planning processes that promote public and private sector investment in reducing emissions from energy, industrial, manufacturing and transport sectors, while realizing increased access to energy and improved energy efficiency.

Tetra Tech provides scientific, sustainable, and industry-leading solutions to tackle the world's most complex challenges. Our service areas include: agriculture and economic growth, architecture/engineering services and construction, democracy and governance, energy, environment and natural resources, global security, land tenure and property rights, and water supply and sanitation. Tetra Tech creates practical, environmentally responsible solutions for federal agencies, governments, multilateral banks, and multinational corporations.

Services (continued)

In the implementation of these mitigation opportunities, Tetra Tech supports the development of relationships between national, regional and international businesses, governments, and in country technical institutions that lead to sustainable investments consistent with each country's national climate change strategies and international targets. As with forest carbon and adaptation investments, Tetra Tech's international services related to clean energy provide catalytic support that allows our partners to provide crucial services to urban and rural populations within a strengthened governance framework.

Forest Carbon and Landscape-Based Approaches

In efforts to reduce emissions from deforestation and forest degradation (REDD+) Tetra Tech is currently supporting national processes and local project level activities in Indonesia, India, Bangladesh, Burma, Zambia, Liberia, Guatemala, Colombia, Mexico and Peru. While Tetra Tech provides services associated with measurement, reporting and verification (MRV) of forest carbon activities, we recognize that broader land-use governance concerns are most often the primary barriers to successful REDD+ implementation and mobilization of financing.

Tetra Tech's forest carbon pilot activities in Indonesia, India and Zambia are demonstrating how international financiers like the World Bank and large pay-for-performance donors can interact with project developers and local communities in jurisdictional nested REDD+. Simultaneously, Tetra Tech is supporting national level dialogues and policy development in these countries to demonstrate how REDD+ can be implemented without undermining the rights of local communities. For example in Nepal, Tetra Tech is coordinating with the World Bank Carbon Fund to undertake the first resource tenure assessment associated with a Emission Reduction Project Idea Note (ER-PIN), which will guide the implementation of a multi-million dollar landscape investment.

Tetra Tech's approach to implementing land-use based carbon activities recognizes the co-benefits associated with improved governance of agricultural and forest lands, irrespective of the rate of growth of global carbon markets. Building these enabling conditions in partner countries will ensure that they are prepared to contribute to global mitigation efforts and that they have diversified, well-governed land-use sectors.

Adaptation Planning

Building resilience to the impacts of climate change requires technical assessments, the development of outreach campaigns to increase understanding of potential impacts, and the development of creative solutions within policy and programming at national and local levels. Through contracts with the IDB, USAID, and the World Bank, Tetra Tech has developed and applied a range of tools to assess climate change vulnerability and risks, and has supported the critical process of linking these assessments to implementation decisions.

In Uganda, Tetra Tech has facilitated discussions between government at national and district levels and donors to expand the use of an agricultural vulnerability assessment that was developed for USAID to coordinate broader donor investment in climate-resilient agriculture investments. Furthermore, through a series of vulnerability assessments in Malawi, Uganda, Senegal, Mali, Dominican Republic and Honduras, Tetra Tech has built local ownership of results by pairing Tetra Tech international experts with local technical institutions from government and civil society. This approach cost-effectively provides quality assurance and mentorship. Increasingly, Tetra Tech is supporting south-south exchange by developing opportunities for these local partners to provide their services nationally and internationally, helping to create new development partners for our clients to work with.

While Tetra Tech's international engineering and planning expertise allows for the application of rigorous technical solutions to climate change adaptation challenges, Tetra Tech recognizes that many of the barriers to successful adaptation are related to governance and information exchange. Tetra Tech is working in East Africa with the East African Community and the Lake Victoria Basin Commission (LVBC) to build a regional understanding of climate impacts on water resource across the five countries in the LVBC and is supporting the creation of a common platform for information sharing and planning. Many countries face the challenge of effectively coordinating multi-sectoral adaptation planning. Tetra Tech's approaches to adaptation build these cross-sectoral bridges and help to open opportunities for collaboration.

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