Environment & Energy

The Environment & Energy group supports healthy natural environments by developing and implementing solutions to protect natural resources, enhance ecosystem services, address climate change, and scale up access to clean energy. We partner with communities, governments, civil society and the private sector to strengthen local capacity, increase equity, facilitate market-based innovations and mobilize green finance.

Winrock also mobilizes private investment in renewables and energy efficiency through transaction advisory services and innovative financing. We accelerate markets for productive use solar tech by removing market barriers, demonstrating revenue models for solar pumps and mills, and mobilizing equity investments, loan capital and smallholder loans. We also help to expand markets for clean cooking and promote use of clean, efficient, and safe home cooking, lighting and heating.

Winrock also works directly with communities and other partners to reduce pollution through a collective impact approach that brings government, local organizations and the private sector together to co-develop, introduce and scale solutions.

CLEAN ENERGY & CIRCULAR ECONOMY

The Clean Energy & Circular Economy team targets the technical, policy, and investment foundations necessary to scale up clean energy, advance economic development, promote energy security and improve the health of people and the environment. We collaboratively design renewable energy solutions in response to the specific needs of partners and clients, including off-grid, mini-grid, and distributed generation, focused on productive uses of energy such as agriculture, small business and income generation.

ECOSYSTEM SERVICES

The Ecosystem Services team has been a pioneer in the evaluation of ecosystem services from forests and agriculture for over 25 years. The ECO team interprets and translates science, and applies analysis to increase the confidence of governments, markets and investors in the integrity of ecosystem benefits. ECO employs state-of-the-art methodologies and technologies to generate and distil information for resource

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managers, land use planners, communities and industries for use in greenhouse gas emission estimation, planning for low emission and climate resilient development, and habitat mapping and restoration.

Our team comprises ecologists, foresters and spatial analysts with expertise in GHG accounting and climate change mitigation and adaptation in the land use sector. ECO excels at the translation and application of science to benefit countries, businesses, investors and civil society. We help make science-based sustainable natural resource management accessible to broad audiences through developing user-focused, interactive tools, methodologies, capacity strengthening, and guidance tailored to the needs of clients and partners.

NATURAL RESOURCE MANAGEMENT – FORESTS, FISHERIES AND CONSERVATION

Winrock's Forestry & Natural Resources Management team promotes sustainability, economic resilience and applies science to address some of the most profound impacts of global environmental degradation and biodiversity loss. Those impacts include deepening ecosystem disruption including the loss of forests and other critical terrestrial habitats, food scarcity and water insecurity, and intensifying natural disasters

resulting from climate change. Environmental degradation and biodiversity loss have profound impacts globally. They disrupt ecosystems, threaten food and water security, and exacerbate natural disasters, which compromise the well-being of present and future generations. We promote environmental sustainability and economic resilience across the globe to mitigate and adapt to these pressures by applying science to restore and manage natural resources.

Winrock works closely with governments to create enabling environments and policies for enactment of sustainable FNRM practices; with communities, which bring locally-centered, contextualized knowledge that contributes to long-term conservation success; and with the private sector for technical expertise and market access.

Working on both land and marine issues and solutions, Winrock has pioneered measuring and monitoring emissions from forests, and plays a crucial role in supporting ecosystem and protected area management systems that empower people while protecting natural habitats. We employ science-based approaches to enhance fisheries by supporting community co-management and responsible practices that preserve fish stocks, protect marine ecosystems and ultimately improve well-being.

THE WINROCK WAY

Market-driven

Results-focused

Science-based

Locally owned