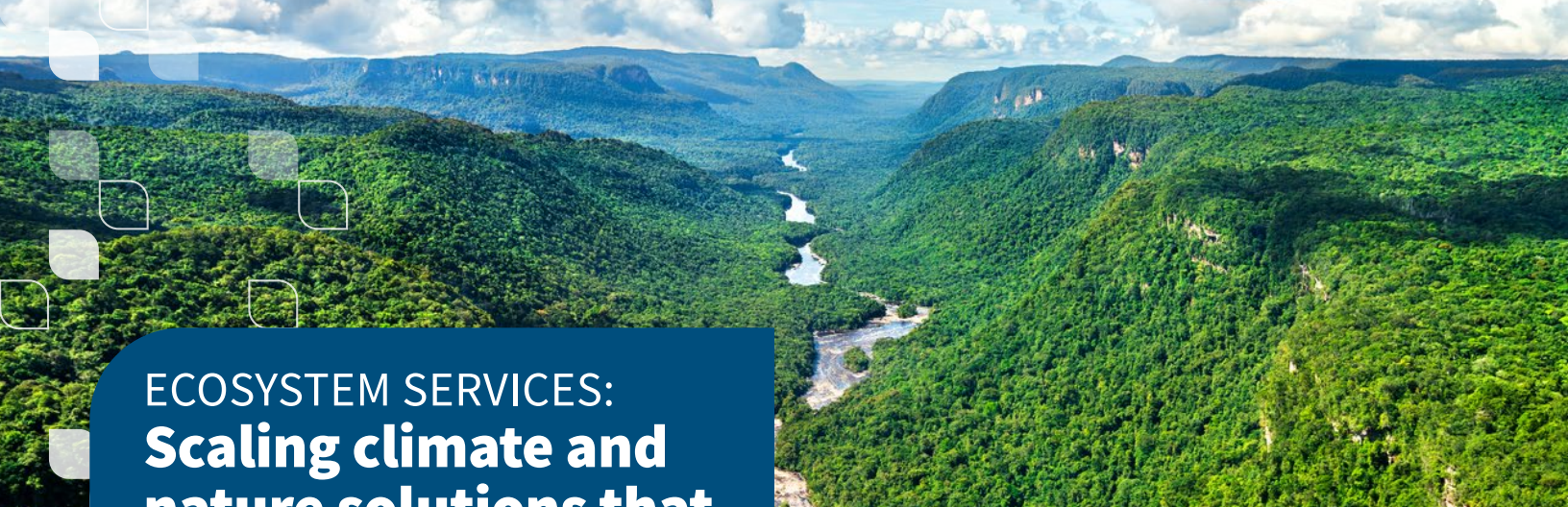




## ECOSYSTEM SERVICES: Scaling climate and nature solutions that deliver results

Winrock International has been a pioneer in the evaluation of ecosystem services from forests and agriculture for over 30 years. Winrock's Ecosystem Services work uses state-of-the-art methodologies and technologies to generate and distil information for resource managers, land use planners, communities and industries for use in GHG emission estimation, planning for low-emission and climate-resilient development, and habitat mapping and restoration.

Forests, clean air, water systems and agricultural landscapes are essential to climate stability, food systems and resilient communities. Protecting these systems at scale relies on credible data, trusted systems and access to finance, alongside local action. For more than 25 years, Winrock has helped governments, communities and companies turn environmental data into action. Today, our Ecosystem Services work **advances high-impact nature-based solutions at jurisdictional and national scale**, helping partners protect forests, reduce emissions, strengthen resilience and access growing global markets for climate and nature.

“PROTECTING FORESTS AND ECOSYSTEMS IS INCREASINGLY CENTRAL TO HOW COUNTRIES AND COMPANIES MEET CLIMATE GOALS. AT WINROCK, WE HELP PARTNERS TRANSLATE RIGOROUS SCIENCE INTO TRUSTED SYSTEMS THAT CAN ATTRACT INVESTMENT AND DELIVER DURABLE IMPACT.”

– COLIN QUINN, ENVIRONMENT PORTFOLIO DIRECTOR,  
WINROCK INTERNATIONAL

Winrock's Ecosystems Services work connects science to systems that scale through rigorous measurement, reporting and verification of emissions and ecosystem impacts, practical tools and analytics for land-use decision-making, supporting policy and institutional development with governments, and developing market-ready solutions that unlock climate finance. Winrock is a global leader in [helping countries design and implement jurisdictional REDD+ programs](#) — large-scale, multi-jurisdictional efforts to reduce emissions from deforestation and forest degradation.

Our work supports JREDD+ programs in 12 countries across Africa, Asia and Latin America, helping governments meet climate commitments and access results-based finance by advancing systems that **ensure transparent, high-integrity emissions accounting**. This work includes long-standing partnerships in countries including Guyana and emerging work in countries including Bolivia, Brazil, [Burkina Faso](#), Mexico and Uganda, where Winrock supports jurisdictional approaches to forest protection and sustainable land use.

Global initiatives we currently help to lead, including the [Jurisdictional REDD+ Technical Assistance Partnership](#) and the [LEAF Technical Assistance Project](#), are expanding this work, providing coordinated support to governments at the state, regional and national levels to meet evolving technical standards and secure high-integrity finance. The potential global impact is immense. When properly scaled, it can help unlock billions in climate finance and protect hundreds of millions of hectares of forest.

### RESULTS:



Winrock's Eco team is a technical partner supporting REDD+ **development in 12+ countries worldwide**



Winrock's JREDD+ programs have **helped conserve more than 200 million hectares of tropical forests globally**; in South America, these programs collectively cover nearly one-fifth of the Amazon rainforest



Winrock's ART-linked programs currently cover **over 1 billion acres of forest globally**

## Advancing high-integrity forest carbon markets

Forests act as carbon “sinks” — pulling carbon dioxide out of the air and storing it in trees and soils. A core part of Winrock’s work includes supporting governments that engage with the [Architecture for REDD+ Transactions \(ART\)](#) — a global carbon crediting program that certifies high-integrity emission reductions from forest protection and restoration. Winrock provides technical assistance, carbon accounting, and MRV systems to help jurisdictions meet ART requirements. Currently, more than 25 governments participate in ART, covering **over 1 billion acres of forest globally**. ART is a crediting program of Environmental Resources Trust, a nonprofit subsidiary of Winrock, and is operated by an independent secretariat with oversight from an expert advisory structure to ensure integrity.

## Accelerating finance for nature-based solutions

Winrock’s Ecosystem Services develops the tools, systems and methods that turn complex environmental data into practical decisions. By translating science into actionable insights, Winrock supports better land-use planning, climate strategies and resource management across diverse landscapes. This approach underpins Winrock’s landscape-scale work globally.

In Indonesia, for example, we partnered with Lestari Capital to provide [independent technical advisory services](#) for their initiative, the Rimba Collective, a coalition of global companies investing in landscape-scale climate and nature projects across Indonesia’s palm oil supply chain. Winrock assessed the portfolio’s climate outcomes, monitoring and verification approaches and reporting practices against leading frameworks and guidance, including guidance and emerging frameworks from the Science Based Targets initiative, the Value Change Initiative, the Land Sector and Removals Standard, and other leading climate integrity initiatives. Through technical assessments, stakeholder interviews, framework reviews, and analysis of emerging trends, Winrock identified areas where the Rimba Collective’s activities align with evolving expectations for credible climate action.

Winrock also has worked across multiple forest landscapes to strengthen land-use governance, deploy spatial planning and monitoring tools, and support low-emissions development in partnership with government, private sector and community actors. In India, our [Strengthening Landscape Management and Conservation project](#) applied an integrated approach across ecologically critical regions, improving management of protected areas and corridors, enhancing livelihoods tied to ecosystem services and embedding sustainable landscape practices within national systems.

This integrated approach is also reflected in Winrock’s [work in Indonesia’s peatlands](#) — some of the most carbon-rich ecosystems on Earth — where degraded and drained landscapes are major sources of GHG emissions and fire risk. Working with government, private sector and community partners, Winrock combines advanced carbon measurement, hydrological analysis and land-use planning with locally led solutions to restore peatlands, reduce emissions and support more sustainable livelihoods.

Across these efforts, Winrock’s role remains consistent: bridging science and application, ensuring that data is both accurate and usable by governments, communities and companies making real-world decisions. Across sectors, we partner with governments to design policies, meet climate commitments and access finance; engage the private sector to reduce emissions and build sustainable supply chains; and co-create with communities to ensure solutions deliver lasting benefits.

## Tools for capacity building

Winrock’s Ecosystem Services team also develops practical tools to help partners navigate complexity and act with confidence. One example is Winrock’s [Double-Counting Risk Assessment Tool](#), developed to support governments implementing JREDD+ programs. The tool helps jurisdictions identify where emissions reductions could be counted twice — whether across national climate targets, carbon markets or competing claims—and provides a structured way to assess and address those risks.

The tool organizes analysis across five critical areas, including carbon accounting systems, registry design, alignment with national climate commitments, and governance frameworks. Through facilitated workshops and guided assessments, the tool helps jurisdictional teams to interpret results and develop targeted improvements — strengthening transparency, aligning with international standards and increasing investor confidence.

In parallel, Winrock advances interactive approaches to capacity building and engagement through [Eco games](#). These simulation-based tools allow decision-makers to explore trade-offs, test policy choices, and better understand how land-use decisions affect climate, livelihoods and ecosystems. Examples include the ONE-SL Eco game, which supports national-level planning by allowing users to simulate development scenarios, and the Caribbean Climate Resilience eco game, which helps stakeholders explore adaptation strategies in vulnerable coastal and island systems.

Together, these tools help translate complex systems into accessible, actionable insights, bringing more stakeholders — particularly Indigenous peoples and local communities, whose knowledge and stewardship are critical to sustainable landscape management — into decision-making processes.