

Carbon neutral printing for the planet, people, and communities

As the planet's most comprehensive certified CarbonNeutral® Managed Print Service (MPS)¹, HP works closely with customers to optimize print usage and offset remaining emissions through rigorously vetted socially conscious projects. This is carried out in partnership with Climate Impact Partners.



Click on the pins in the map to learn more about each project



The 17 UN Sustainable Development Goals (SDGs) serve as a blueprint for achieving a better and more sustainable future for the world

Click on each to learn more.



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Rimba Raya Biodiversity Reserve REDD+

Protecting peat swamps and endangered orangutans

The Rimba Raya Biodiversity Reserve was established to protect 65,000 hectares of carbon-dense tropical peat swamp from deforestation and conversion to palm oil plantations. Located in Seruyan Regency on Borneo island, it combines conservation goals with community activities and commercial support.



Borneo Island



105,000

endangered Borneo orangutans protected



Community initiatives:

Community-based agroforestry initiatives to increase crop productivity

Women's cooperatives for chicken, egg and shrimp paste production

Employment for locals through reforestation efforts

2,500

households benefitted

1,900

water filtration systems distributed

How has it made a difference?

In addition to delivering emissions reductions, the project delivers **17 of the 17** UN Sustainable Development Goals, including the following:

Other SDGs addressed:





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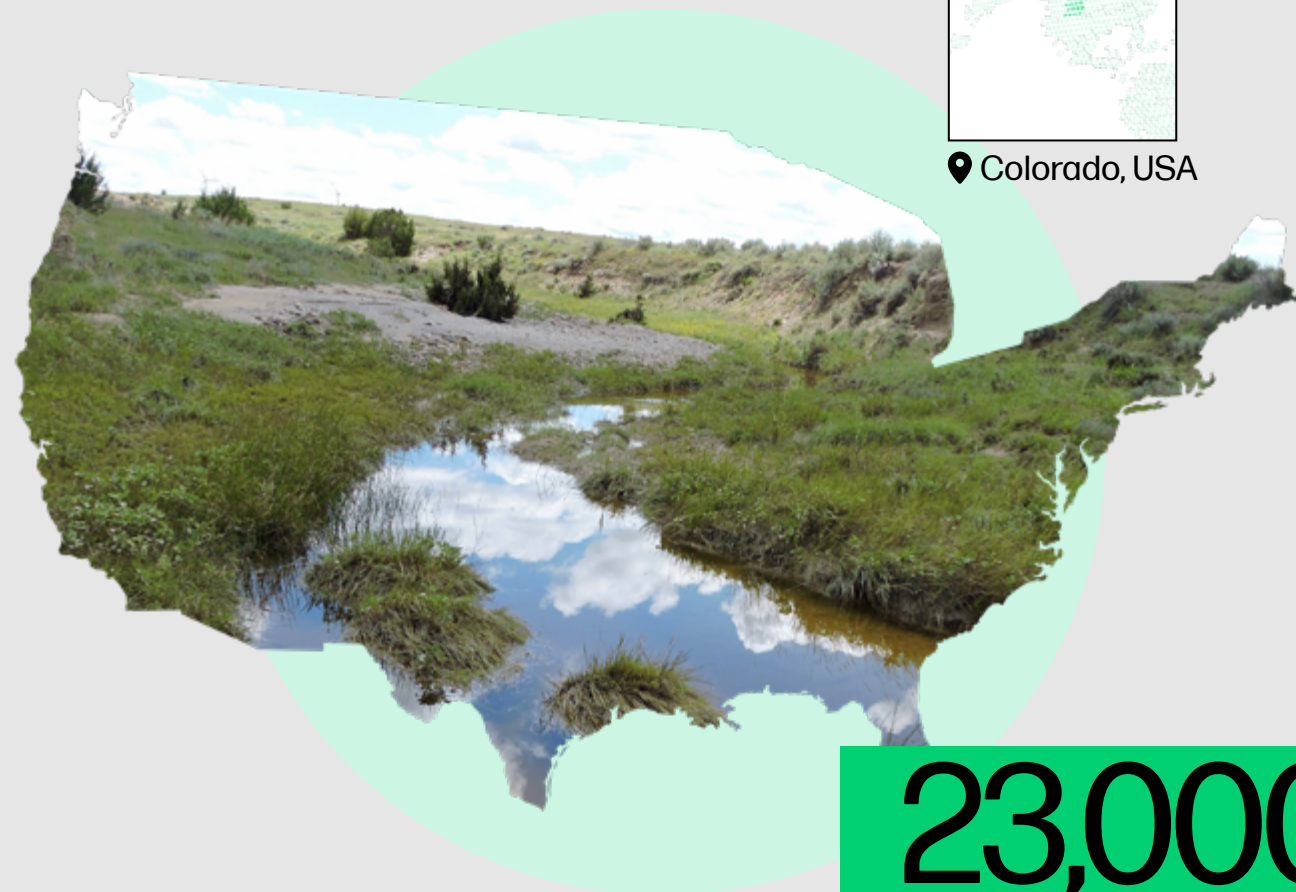
North American Grasslands

Funding grassland preservation through carbon sales

The North American Grasslands project in Colorado aims to create financial incentives for conserving valuable grasslands in the Great Plains. It aims to do so with payments for protection of belowground soil carbon, and avoidance of direct emissions from cultivation.



Colorado, USA



23,000

acres of never-plowed rangeland maintained naturally

2.9 mil

square kilometers of land in the Great Plains



Partners in grassland maintenance

The project is a partner of Southern Plains Land Trust (SPLT), a non-profit organization working to preserve the shortgrass prairie ecosystems in the area.

SPLT receives 100% of the net revenue from the sale of carbon, which is used to accomplish further land preservation, such as naturally maintaining the health of the rangeland with native grazing ungulates like bison, elk, deer, and pronghorn.



How has it made a difference?

Besides delivering emissions reductions, the project delivers the following UN Sustainable Development Goals:

Other SDG addressed:



100%

of carbon sales revenue used to further land preservation



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Kulera REDD+ and Cookstoves

Protecting forests and supporting communities

The goal of the Kulera Landscape REDD+ project in Malawi is to mitigate threats to forest resources and create forest based sustainable livelihoods for communities.

170,000
hectares of forest targeted for conservation



Malawi, East Africa



8.5 mil
trees planted

How has it made a difference?

The project is working with 45,000 households to develop sustainable livelihoods. It also delivers **16 of the 17** UN Sustainable Development Goals, including the following:

Other SDGs addressed:



Programs aiding preservation:

Delivering fuel-efficient cookstoves to reduce fuelwood consumption

Planting trees to improve soil fertility and increase crop yields

Introducing a livestock program to enhance food security and prevent poaching of wild animals



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6,900

hectares under development



UK Forest Creation

Reforestation the UK

UK Forest Creation projects under the Woodland Carbon Code deliver measured environmental and social benefits which are independently verified. These projects are available throughout England, Scotland, Wales and Northern Ireland.

Funding UK Forest Creation enables organizations to include the carbon benefits in its greenhouse gas calculations and contribute to the UK's emission reduction goals.



England, Scotland, Wales and Northern Ireland

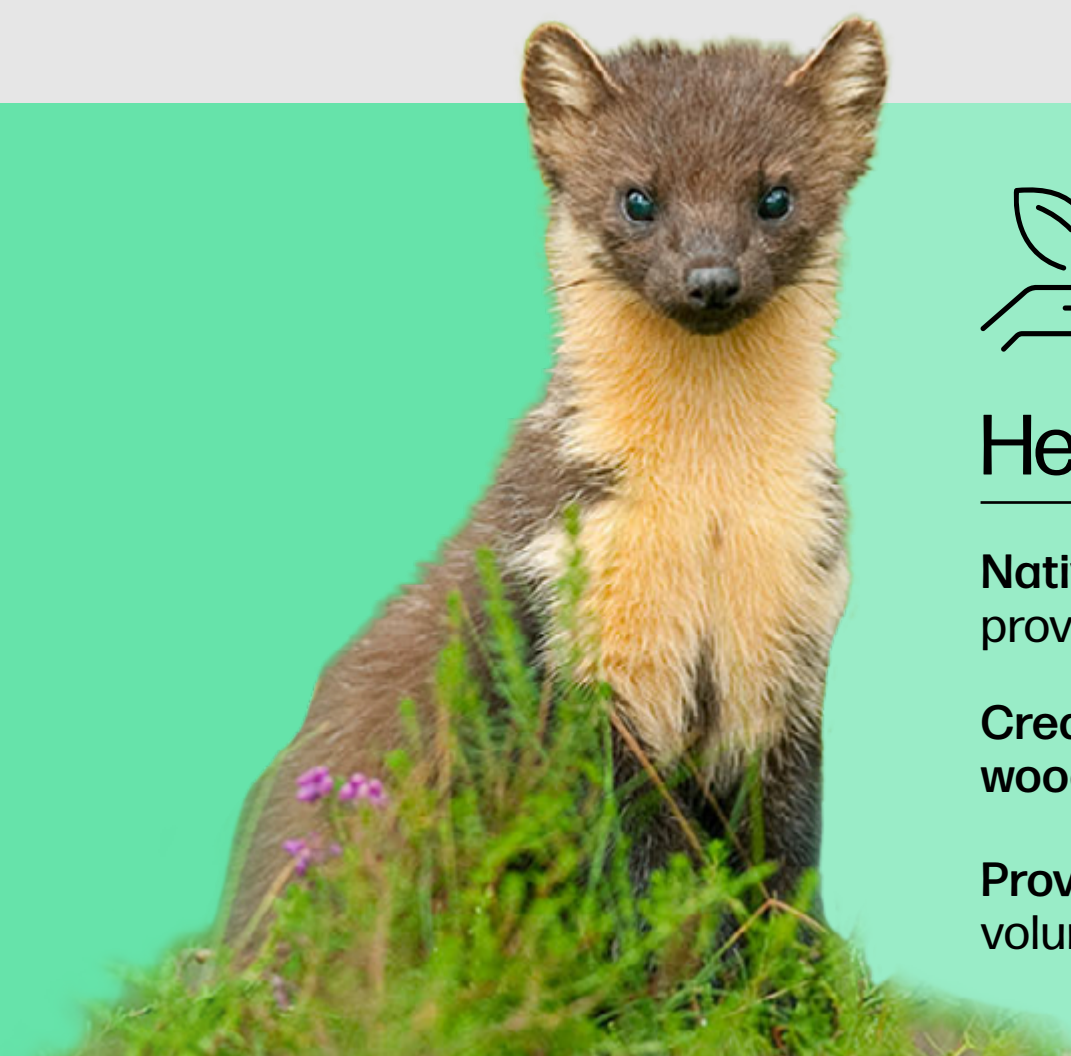
planted and certified

13,000

hectares

248

projects



Healing the UK's lungs and more

Native woodlands can improve air quality and provide wildlife habitat

Create habitat corridors and linkages, timber and wood fuel and sites for public recreation

Provide opportunities for community engagement, volunteering, and education

What other benefits are there?

Forests are one of the largest, most cost-effective climate solutions available, and are essential to achieve the UN Sustainable Development Goals.

If the UK can add 23,000 hectares per year of forest creation over the next 40 years, it is estimated that forestry could deliver up to 10% of emissions reductions by 2050.



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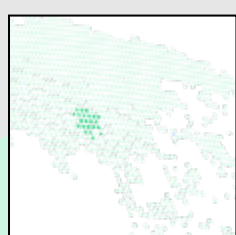


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Sichuan Household Biodigester

Growing the reach of clean and affordable energy

The Sichuan Biodigester project distributes small-scale biogas plants to low-income rural households with livestock. These plants support rural development and environmental protection by digesting manure and recovering the methane by-product through anaerobic digestion.

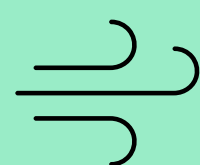


Sichuan, China



7,500

jobs created are attributable to the project



Enhanced air and better quality of life

Clean and affordable energy to homes and fertilizer for agriculture

Reduced greenhouse gas (GHG) emissions

Improved indoor air quality and sanitation for rural communities

395,000

biogas plants installed

400,000

households improved their housing conditions

How has it made a difference?

Besides delivering approximately 880,000 tons of emissions reductions annually, the project also delivers **15 of the 17** UN Sustainable Development Goals, including the following:

Other SDGs addressed:





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Soma Wind Power

A fresh current of electricity

The Soma Wind Power project spans the Manisa and Balıkesir Provinces in western Turkey. It consists of 119 turbines with a total capacity of 140 MW, supplying zero emissions renewable electricity to the national grid.

Renewable energy for surging demands

Turkey's GHG emissions and fossil fuel dependence is growing rapidly due to significant population growth and urbanization. The project supports an essential switch to renewable energy to meet the country's growing energy demands.



Turkey



140 MW

of total capacity produced from the turbines

How has it made a difference?

The project generates approximately 465,000 MWh of clean electricity annually. It also delivers the following UN Sustainable Development Goals:

465,000

MWh of clean energy generated annually

119

turbines generating clean energy



Other SDG addressed:





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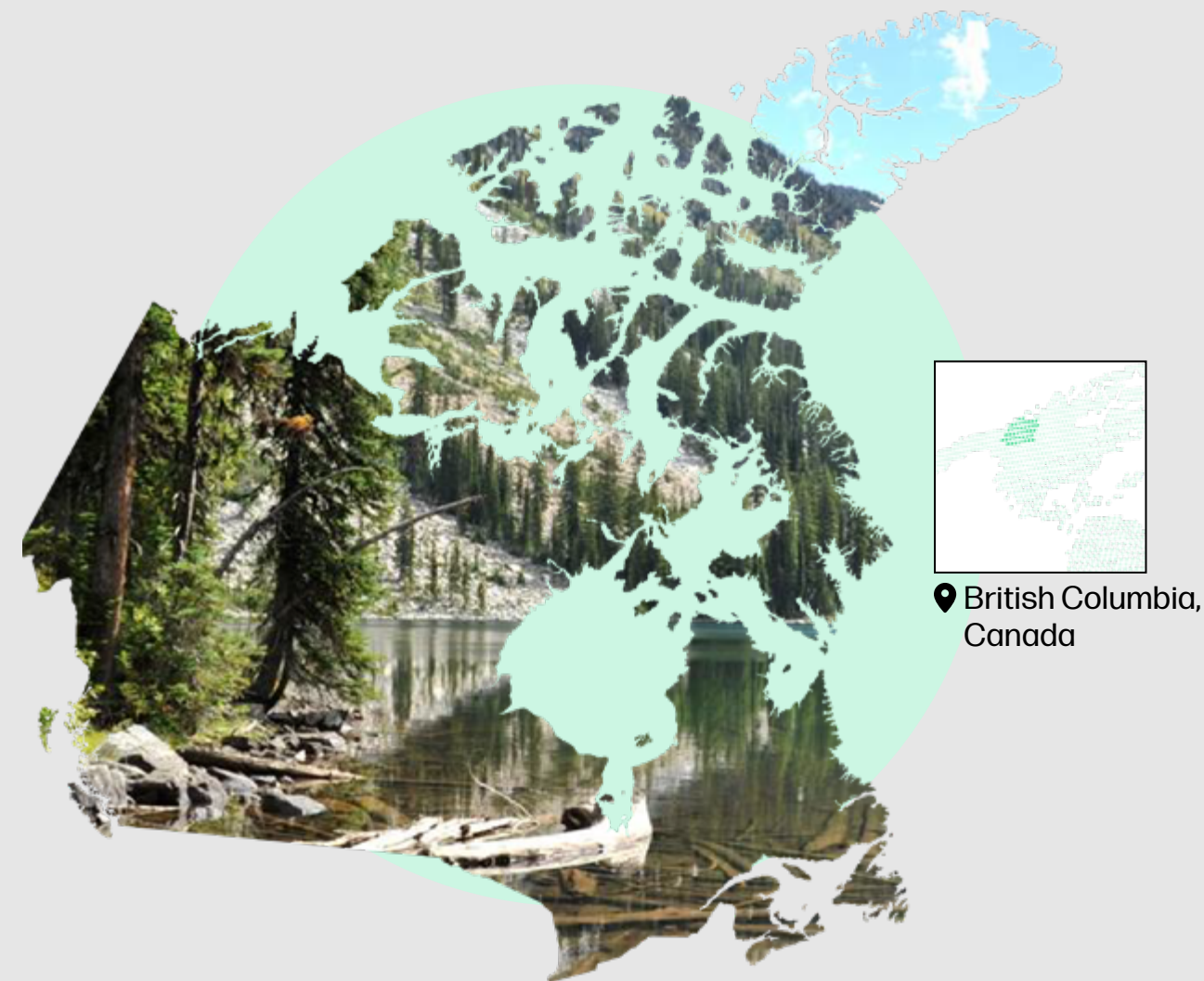


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Darkwoods Forest Conservation

Private forests purchased and protected

The Darkwoods Forest Conservation project in British Columbia, Canada, protects 63,000 hectares of private Boreal forest from subdivision, high-impact logging, and other environmental threats. It is the largest single private land conservation purchase.



British Columbia, Canada



63,000
hectares of
forest protected

39
trees or animal species
that are at risk of extinction



Preservation with precision

The project zones and monitors different areas of the property, targeting specific areas for purposes such as:

- Biodiversity protection and invasive species control
- Limited sustainable harvesting
- Conservation research

17
watersheds and over

50
lakes rely on the forest
acting as natural water
filters

How has it made a difference?

The project delivers approximately **415,000 tons of emissions** reductions annually by avoiding the release of carbon through timber harvesting, road building and other forestry operations. It also delivers the following UN Sustainable Development Goals:

Other SDG addressed:





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Mississippi Valley Reforestation

Helping forests to flourish

The project aims to reforest 1 million acres of forest in the Lower Mississippi Alluvial Valley. Less than 20% of forest remains due to sustained deforestation and agricultural land use conversion.

A collective effort in revitalization

Landowners who voluntarily enroll in the project commit to planting and protecting trees. This helps to reduce an estimated 200 tons of CO₂ equivalent per acre.

>80%

of 22 million acres of dense forest gone



12 mil

tons of soil erosion could be prevented annually

1 mil

acres of reforestation targeted



How has it made a difference?

The project delivers approximately 350,000 tons of emissions reductions annually. It also delivers the following UN Sustainable Development Goals:

Other SDG addressed:





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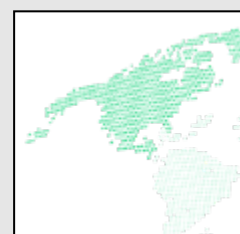
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North American HFC Foam Blowing Agent Replacement

Transitioning to more eco-friendly foam propellants

Management of refrigerant gases such as Hydrofluorocarbons (HFCs) was recognized by Project Drawdown as the number one solution to climate change.

This project aims to support the transition to greener practices among small-and-medium-sized manufacturers and construction contractors.



North America



Industrial process emits over **300 mil** tonnes of CO₂e every year

Over 50% of emissions are from HFCs

How has it made a difference?

Besides reducing emissions by creating a voluntary transition for the manufacturing industry to low-Global Warming Potential (GWP) foam propellants, this project delivers the following UN Sustainable Development Goals:

Other SDG addressed:





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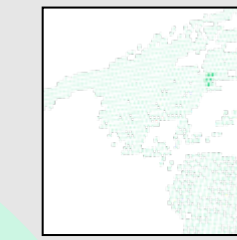


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Cold Hollow to Canada Improved Forest Management



Vermont, USA



8,625

acres of land enrolled in the voluntary carbon market.

How has it made a difference?

Helped 10 landowners collectively with land spanning 8,625 acres across 12 parcels, to enrol in the voluntary carbon market. In addition to delivering emissions reductions, the project delivers the following UN Sustainable Development Goals:

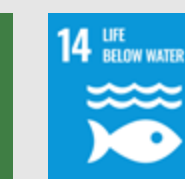
Forest carbon aggregation project

The Nature Conservancy (TNC), Vermont Land Trust, and Spatial Informatics Group have partnered to create the first sizeable forest management project that brings together multiple landowners.

A new template has been created for climate action for owners of fragmented forestland across the country.



Other SDG addressed:





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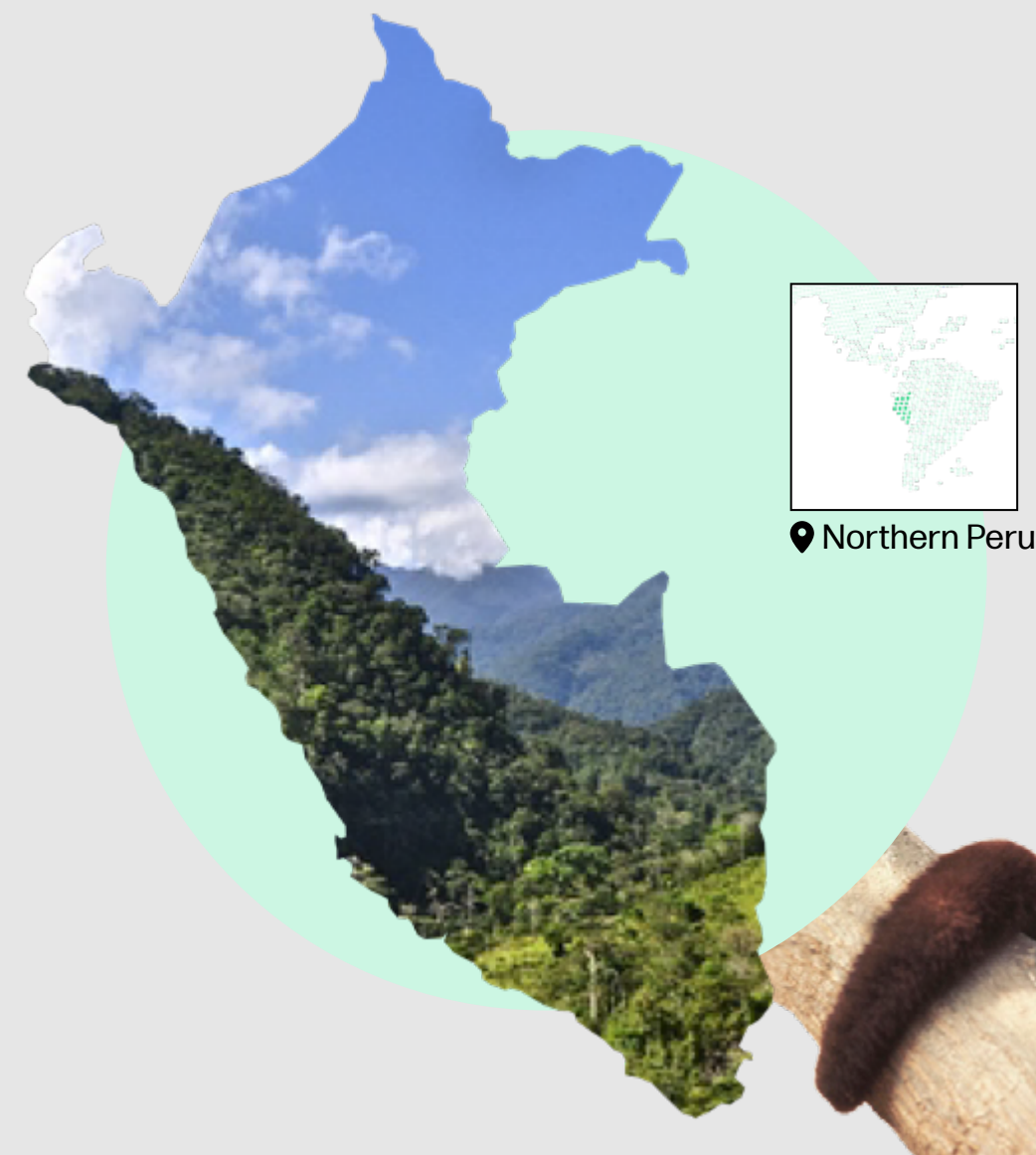
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Alto Mayo REDD+, Peru

Stopping the cycle of deforestation

Located in the Peruvian Amazon, this project aims to conserve the ecologically rich Alto Mayo Protected Forest (AMPF), an area of approximately 450,000 acres, by providing essential funding for forest management and community programs.

Although the Peruvian government established the AMPF in 1987, the park still faces intense deforestation from illegal logging and unsustainable farming practices.



Alto Mayo is critical to the survival of Peru's endemic fauna and flora.



Formed
COOPBAM
—a cooperative of farmers exporting coffee internationally

How has it made a difference?

The project delivers approximately 500,000 tons of emissions reductions annually. It also delivers 10 out of the 17 UN Sustainable Development Goals including:

Other SDGs addressed:





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Jath Wind Power

A wind power project

Located in the Sangli District of Maharashtra, India, this wind power project delivers zero-emissions renewable electricity to India's Northern, Eastern, Western and North-Eastern grids.



Maharashtra, India

30

turbines

60

MW total capacity

12 mil

MWh of clean renewable electricity generated annually



Wind could provide 19%

of global demand for electricity by 2030

How has it made a difference?

In addition to delivering emission reductions, the project delivers the following UN Sustainable Development Goals:

Other SDG addressed:



To find out more about HP's carbon neutral Managed Print Service

Speak to your HP representative
or visit hp.com/go/MPSCarbonNeutral

References:

¹ Based on results of third-party (WSP) research for HP of OEM MPS providers with carbon neutral offers as of June 2022. "Comprehensive" means the planet's only globally certified carbon neutral MPS service that covers lifecycle emissions due to raw material extraction, manufacturing, transportation, use of HP printers, Original HP supplies, and paper and end of service.

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