



Policy for the future:

Addressing Climate Change — Huawei's Commitments and Actions

Use technologies to conserve nature and mitigate the effects of climate change in ways that help protect our planet more efficiently and effectively. Huawei remains committed to reducing and preventing climate change by minimizing the footprint of our manufacturing and operations and of our products throughout their lifecycle. Huawei innovative products and solutions help many different industries reduce their emissions and develop circular economy processes, and make ongoing efforts to work with all industry partners to build a low-carbon society.

Huawei has two major strategies: 1. Mitigation: Reducing carbon emissions, improving energy efficiency and using renewable energy. 2. Adaptation: Protecting tropical rain forests and wildlife, responding to and Reduce climate change.

In the future, AI will become a strong guardian of rainforests. Technological innovations tailored to local conditions will make remote corners no longer isolated from the world. Huawei will work together with the partners around the world to promote real changes in the world.

Protecting Rainforests with Huawei AI

A group of rangers are protecting the rainforest in Costa Rica. Each day, they patrol to inspect the forest to prevent illegal logging despite of all kinds of difficulties. Huawei works with the Rainforest Connection (RFCx) organization by upcycling old Huawei phones to create solar-powered Guardians that are placed high in forest canopies. These Guardians record sounds and upload them to the Cloud. The data is analyzed to assist conservation efforts in rainforests and protect the rainforests and their animals from illegal logging and poachers. The range of land protected by Huawei mobile phones has exceeded 2,500 square kilometers. In 2021, 6000 square kilometers of tropical rain forests are expected to benefit.



Protecting Spider Monkeys and Other Rainforest Animals with Huawei AI

Spider monkeys conduct seed dispersal, contributing to a healthy and prosperous rainforest ecosystem. However, over the past decades, their habitats have been destroyed through deforestation and declining precipitation, and their population has rapidly decreased.

In response to this, Huawei and rainforest protection organizations teamed up to build an AI model that could analyze spider monkeys and provide information about their habitats, habits, etc. Biologist Ruth then uses this data analysis to draw a spider monkey distribution map, allowing their activities to be predicted far more accurately. A better understanding of the monkeys' behaviors improves related research and protections.

Jenna Lawson, a PhD researcher at Imperial College London, uses AI to detect more species in rainforests. Over 200,000 hours of data has been collected so far, through which she can identify the different calls of the animals, and then create a distribution map of where these animals live. In addition to spider monkeys, AI is also helping to protect numerous other species.

