COMMUNITY-LED MONITORING
Remote Environmental Monitoring with Timby

B2B B2G

A suite of interconnected digital tools and training that help teams and communities tackle complex problems securely.

Timby is in 24 languages and 50 countries around the world. In the Amazon, it provides indigenous communities and environmental organizations with a suite of smartphone-based reporting tools to safely and anonymously monitor illegal artisanal mining, process and file community grievances.

MONITORING AND ACTIONABLE DATA

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Problem

Illegal activities, like mining in regions like the Amazon, often occur in remote locations with minimal government presence and very little capacity to detect and act on illegal operations. Underfunded environmental and law enforcement agencies cannot justify expensive trips to detail illegal operations based on verbal reports or complaints from Indigenous leaders. Often agencies will only initiate enforcement activities with reliable location information and concrete evidence of illegal activities such as geo-referenced photos and videos.
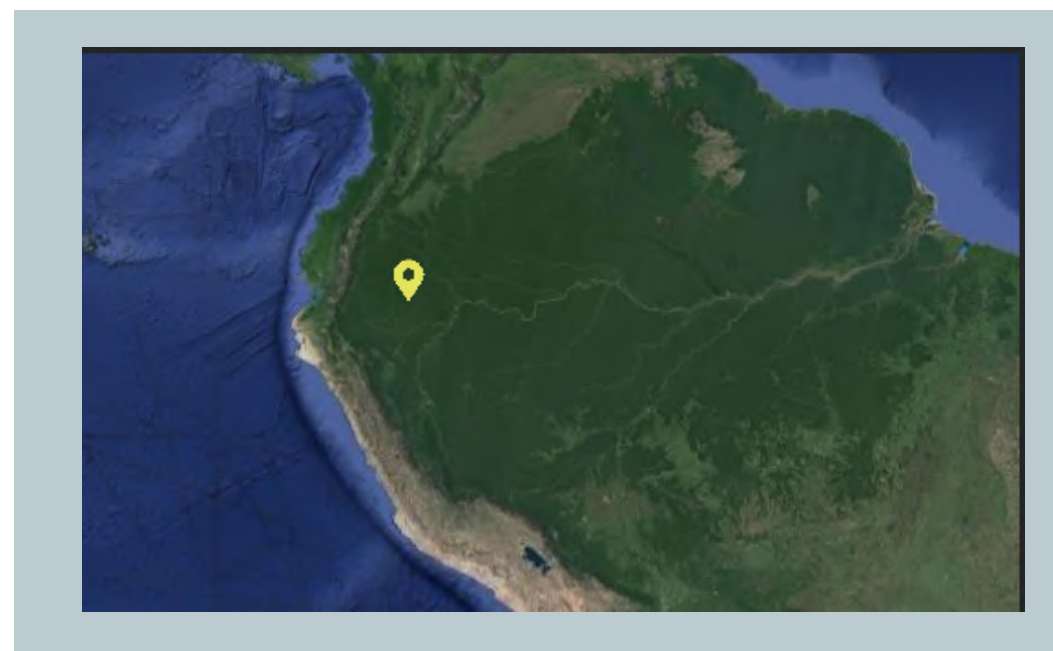
Solution

A suite of reporting tools to safely and comprehensively monitor artisanal mining sites. Timby has WhatsApp reporting, a bespoke reporting app, a private dashboard and a content-creation tool. These can be mixed and matched as needed.

The monitoring system is easy-to-use and secure, and is customizable to user needs.

Market

Communities seeking to securely and comprehensively report environmental crimes. Local and regional law enforcement agencies benefit from the deployment of this tool, as would governments, philanthropists, consultants looking for mechanisms for on the ground reporting.

Community-Led Monitoring is currently being field-tested in the Napo River Basin, in the Peruvian Amazon, through their participation in the Amazon CoLab

Company

Timby is a Tech-for-Good company seeking to adapt their tools to the context of the Amazon. Timby is currently participating in the FAROL Incubator for Supply Chains/ Human Slavery. It has also received the Big Picture Digital Journalism award, the Making All Voices Count award and a number of other global prizes.

Competitive Landscape

Timby does not have direct competitors that cover its security focus, analytic and content-creation abilities. Timby's tools and support have a competitive advantage in that they are easy-to-use, offer modular customized development, offline features and unlimited support.

Next Steps

Timby is looking to expand as a robust solution to heterogenous reporting situations across the Amazon and the world.

The Artisanal Mining Grand Challenge: The Amazon is implemented by Conservation X Labs in partnership with the United States Agency for International Development (USAID), the Gordon and Betty Moore Foundation, Microsoft, and Esri. The Challenge seeks to advance innovation solutions that make artisanal and small scale mining more environmentally responsible and socially equitable.

www.artisanalminingchallenge.com

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