Protecting Natural Resources Using Scopious IoT Monitoring

Overview

Conservation projects require timely, accurate data to protect biodiversity and manage remote or sensitive environments. Scopious provides real-time environmental monitoring for forests, wetlands, marine zones, and reserves—helping teams respond to risks, track restoration progress, manage trapping efforts, and meet DOC or iwi-led reporting goals.

Scopious for Conservation

- Air temperature, humidity, and rainfall tracking for climate sensitivity
- Soil and water condition monitoring for wetlands, forests, and rivers
- Acoustic monitoring for birdlife or pest activity
- Live alerts for flooding, fire risk, or illegal access
- Remote, solar-powered deployments with satellite or LoRaWAN connectivity
- Reporting for DOC, iwi, funders, or environmental regulators
- Pest and rodent trap monitoring for remote detection and reduced manual checking

Needs:

Conservation efforts depend on early detection of environmental change, accurate monitoring of habitat conditions, and data to guide interventions, funding, and predator control.

Solution:

Scopious delivers site-specific environmental insights to support conservation teams with alerts, historical data, and evidence for restoration, funding, and biodiversity management.

Key Benefits:

- Supports data-driven ecological restoration
- Enables early intervention in high-risk sites
- Reduces need for manual field checks in remote areas
- Provides transparency for funders, iwi, and regulators
- Scales across landscapes from reserves to co-managed catchments
- Supports predator control and biodiversity outcomes through automated trap insights

Act faster. Prove impact. Protect biodiversity.