e.WAI · Water

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Country: ?? Colombia · Medellin **Category:** Water **CT Taxonomy:** CT-WW-003 — Watershed Conservation & Hydrological Data **Impact Areas:** Adaptation, Circular Economy **Stage:** Public Beta **Team Size:** 5.0 **Website:** https://e-ray.lat/e-wai/ **Funded:** False **Founder:** Valentina Llano

Elevator Pitch

e.WAI is an AI platform that automates environmental monitoring and water quality reports (ICA 4a & 4b) for Colombia's environmental sector. What takes 3–7 days of manual field data, lab results, graphs and analysis is done in 20 minutes — error-free.

Climate Problem

Colombia's environmental companies spend 7 days manually processing field data and lab results per report. Errors and delays in regulatory compliance weaken the environmental monitoring systems critical for climate adaptation and water resource protection

Solution

e.WAI uses AI to automatically digitize, standardize and process field data and lab results — generating complete ICA 4a & 4b regulatory reports with graphs and analysis in 20 minutes, eliminating manual work and ensuring compliance.

Revenue Model

SaaS subscription model targeting environmental consultancies and accredited labs. Basic $200 (10 reports), Professional $350 (unlimited + advanced analytics), Enterprise $500 (custom integrations + priority support). Expansion planned across LATAM.

Target Market

Environmental consultancies, accredited labs and regulated industries (mining, oil & gas, utilities) in Colombia and LATAM legally required to submit periodic environmental monitoring reports to authorities such as ANLA and CARs.

Social Impact

People Living in Extreme Poverty

Demand Evidence

Environmental monitoring reports are legally mandatory in Colombia — every company operating near water bodies must submit them to ANLA and CARs or face sanctions. This is a non-negotiable market: demand is guaranteed by law, not by preference.

Competitors

There is no direct competitor in Colombia that automates the generation of environmental monitoring and ICA reports. Indirect competitors include manual processes in Excel and generic environmental software that is not tailored to Colombian regulations.

Founder Expertise

Our team combines environmental engineering, AI & data science, fullstack development, water monitoring technology and commercial operations, with 10+ years of applied experience in environmental compliance and water monitoring systems in Europe and Latam

External Support

Backed by e.Ray LATAM S.A.S., a Colombian-German company with 10+ years in water monitoring technology and projects with the European Space Agency (ESA). Currently applying to ClimateLaunchpad, iNNpulsa ALDEA+ and Minciencias funding programs.

Team

CEO, Director of Technology & Commercial Relations, Full-Stack Developer, Project manager, Data Scientist.

Founder

Valentina Llano

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