HydroSmart Climate Solutions · Water

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Country: Peru · Lima **Category:** Water **Impact Areas:** Mitigation, Adaptation, Circular Economy **Stage:** Ideation **Team Size:** 1 **Website:** —

Elevator Pitch

HydroSmart Climate Solutions is a SaaS platform that integrates hydrogeological modeling and climate data to help mining operations predict groundwater behavior, optimize water use, and reduce environmental risks.

Climate Problem

Our startup addresses water scarcity and groundwater contamination intensified by climate change, especially in mining regions. Changing precipitation patterns, droughts, and extreme events are reducing water availability.

Solution

Our solution is a SaaS platform that combines hydrogeological modeling and climate data to predict groundwater behavior and water-related risks. It enables mining companies to anticipate water scarcity, optimize water use, and prevent contamination.

Revenue Model

We generate revenue through a subscription-based SaaS model with tiered pricing, complemented by premium technical support, customized modeling, and advanced analytics services.

Target Market

Our target market includes mining companies, environmental consulting firms, and government agencies managing water resources, particularly in regions facing water scarcity and climate-related risks, such as Latin America.

Social Impact

Indigenous Peoples, Migrants, People Living in Extreme Poverty, Women, LGBTQI+ People

Demand Evidence

There is a strong market pull driven by increasing water scarcity, tighter environmental regulations, and rising ESG pressures in the mining industry. Based on direct industry experience, companies are actively seeking predictive, data-driven tools.

Competitors

Our main competitors are traditional hydrogeological consulting firms. In our region, most solutions are still based on project-based consulting rather than scalable digital platforms, which creates an opportunity for a more advanced, data-driven approach

Founder Expertise

Hydrogeologist with 5+ years in mining, specializing in groundwater modeling, focused on building a scalable climate-tech solution for data-driven water risk management.

External Support

The project has been independently developed based on my professional experience in hydrogeology and mining. I am now seeking strategic support—mentorship, partnerships, and validation—to accelerate its scaling and market entry.

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