Concept Abstract

Submit the one-page abstract with your concept video.
Abstract submission is required before concepts are posted online.

Team Name, Concept Name, Team Lead Name:

WATCH PACHA, WATCH PACHA, Aurelio Fuentes Maza

In a few words, describe the general idea of your concept (game/social media/signs/book, etc.)

Watch Pacha, is a platform for technological innovation, which is presented as an ally to strengthen the participation of the community in the prevention and identification of environmental impacts, in the area of influence of mining projects, Watch Pacha, seeks to strengthen the relationship of the companies with stakeholders through the adoption of technologies that allow the identification of variations in water quality and the health of crops in the area of influence in the different parts of a hydrographic micro-basin

In a brief paragraph, describe your concept and how it will change the public's perception of mining.

Watch Pacha will allow changing the image of mining, associating the implementation of remote technology based on telemetry and drone systems, to identify impacts, based on the follow-up and monitoring of physical environmental variables in water quality, which allow to identify changes anomalies in the management of effluents from mining projects, this in relation to the use of the water resource by individual and unionized farmers along a hydrographic basin or micro-basin. Watch Pacha will provide useful information for both users of the water resource and the officials of a mining project, so that they can make decisions according to the prevention of impacts, especially in their agricultural activities.

In a few words, describe your intended audience.

The public user of WATCH PACHA, are the different users of water resources in a basin or micro-basin of the sphere of influence of a mining project, farmers who are dedicated to family farming as well as medium and large producers who are demanding of information about to the quality of the water resource

How far reaching do you envision your concept, that is, how many people and at what age ranges do you think your concept will reach?

The scope of the project is in relation to all users over 18 years of age who use the water resource in their daily tasks, as well as the people who dedicate themselves to agriculture at the family and export level.

Please show a general breakdown and total projected cost of your project, if it were to be noticed or sponsored.

Equipment costs:	2400 USD
Design and development of the virtual platform:	2200 USD
Costs in logistics and system operation:	400 USD
Total cost at the demonstration pilot level:	5000 USD

These costs include for a demonstration pilot in a micro-basin where a telemetry station and a drone simulator flight will be installed to identify the health of the crops, the scalability to be installed in a specific project will depend on the scope of influence of the mining project.

Brie y please include any additional information you would like judges to know about your concept.

Watch Pacha, is shown as a technological innovation that promotes citizen participation in the environmental monitoring of water resources mainly for use in agriculture, it is based on the continuous and real-time registration of the physical variables of water quality and registers and reports changes produced by natural and anthropic agents that may alter the quality of the water of the resource, it also relies on the use of drones to monitor the health of crops based on the records of aerial intakes that can identify changes or alterations in the crops, all this information is registered on a platform (web page) which translates the registered values into comprehensible reading information for users based on icnonographies and animations that make the compression of the values registered by watch more accessible pacha.