

# Concept Abstract

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

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

Create a character that personifies the modern mining engineer, using a voice-activated interface which could be inquired using AVS (Alexa Voice Service) such as in Amazon Echo Dot. This could first answer some general questions about mining, and provide the user a more clear view of the benefits obtained from the mining industry.

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

Cloud-based voice activated interfaces are becoming very popular, not only as appliance controllers or entertainment services, but as reliable sources of information.

In a few words, describe your intended audience.

General public, everyone who wants to know more about mining. All ages.

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?

As the service is cloud-based, it is intended to reach as many persons as possible, in their homes, in portable devices (WIFI) and in strategic locations, such as public libraries or schools. The unit may have an attractive shape (such as a miner character) which can have a persona (a proper name), and an identity. It can be masculine or feminine, also can be bilingual (English and Spanish) for start.

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

AVS Development Kits (1 to 4), approx. \$500 each, total \$2,000

Programming team (2 students) with C++ skills and concept director \$500 monthly x 3 months, total \$3,000

Development of a prototype character (sculpting) capable of harboring the AVS device, US\$500 for one month

Other development expenses, \$500

TOTAL BUDGET (Tentative): \$6,000

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

The solution must have set list of questions and possible answer, must be capable of providing updates of existing projects, and provide news of relevance related to the mining industry.

The proposed name for the character is "Nova".