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Ministerio de Minas y Energía  
REPÚBLICA DE COLOMBIA

## Pillars of Colombia's Mining Policy:

### 1. Mine Resources Management

The Ministry of Mine and Energy seeks to improve the mining institutional effectiveness, in order to be perceived as a stronger and more responsible institution.

### 2. Improvement in the productivity and competitiveness of the Mining Sector

—Small local scale Mining—. The Ministry of Mine and Energy, aims for a more profitable, organize and safe mining development. It is working for the harmony and balance of the mining development with nearby communities to the operation area, including ethnic groups. Also, working hand by hand with the environmental authorities inspires the mining development to prevent and minimize the environmental impact.

### 3. Advertisement of the Mining Country

The Ministry of Mine and Energy, searches to strengthen the bonds of trust with companies, investors and the international and national banks, to facilitate the dialogue with experts on international mining knowledge and create new opportunities for the development of the mining industry in Colombia.

## Strengthening the plan of information and communication technologies of the colombian mining sector (1).

The Ministry of Mines and Energy, aware of the importance of technology and communications in the mining sector, has been working with the Colombian Institute of Geology and Mining — Ingeominas, and the Mining Energy Planning Unit —UPME, in order to fortify the network system facilities and the latest generation communication systems in the mining industry. This initiative aims to offer all actors involved reliable and effective information that could be fundamental for a good decision making.

In this regard, "the Colombian Mining Institutionality (in the hands of the Mining Energy Planning Unit UPME, Ingeominas, the Government of Antioquia, Bolívar, Boyacá, Caldas, Cesar and Norte de Santander) is trying to achieve, in the medium term, online services with a Governmental and sectorial intranet support. In order to follow in detail all the guidelines set up to manage information, proceedings and services offered by the Colombian State, through electronic media, regarding the Colombian mining sector ". Source: Ministry of Mines and Energy

For this reason, in the second semester of the year 2007, it was defined by an agreement subscribed between the National University of Medellín, a Sector Study for the Elaboration of the Strategic Plan of Information and Communication Technologies (PETIC) for the Colombian Mining Sector. As a result, there were identified the Colombian mining institutionality processes as a single organization, isolating the particular interests of each one of the entities that conform it, in order to have a more general view of those processes and technologies that are susceptible of being integrated.

The study reflected, for each process, the current percentage of utilization of a specialized computer tool, the results are as follows:

Direccionamiento Estratégico	0%
The administration of the mining resource	27%
Mining promotion	0%
Mining development	16%
Information and knowledge management	
Statistics	50%
Geo—referenced	83%
Specialized knowledge	33%
Correspondence	22%

Source: MME

It is important to point out, the lack of a structural organization connected with the information and knowledge management, to the interior of each one of the organizations analyzed, accordingly with the needs of the Colombian Mining institutionality and with the evolution of information and communications technologies; a structure that should define roles, responsibilities and necessary competences for the adequate development, monitoring and control technology based projects for the mining sector.

It is also clear the necessity to support the missionary processes of



*"One of the sectors in Colombia that attracts more foreign investment is the mining sector"*

Hernán Martínez Torres  
Minister of Energy and Mines

the Colombian mining institutionality, and the objectives and mining policies, on information technologies and suitable communications, through the formulation of a Strategic Plan of Information Communication Technologies —PETIC' s.

Therefore, the Ministry of Mines and Energy signed in May of 2008 a Cooperation Agreement with the Javeriana University's Geophysical Institute to formulate the already mentioned PETICs for the mining sector, which is expected to improved the efficiency and effectiveness of the Colombian Mining Institutionality.

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