

## **REGULARIZING SMALL-SCALE MINING WITH GIS AND GEOLOGICAL CONCEPT: A TRIAL**

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Small-scale/artisanal mining have been treated as either legal issue or engineering problem and geology has not contributed heavily. Low givers have tried to enact effective rules, while mining engineers have mainly worked on end-of-pipe themes such as mercury pollution. It seems that breakthrough for the problem has not yet been found. The authors consider that GIS and geological concepts would be effective to assist officers in charge of small-scale mining. For example the concept of the order of mineralized area such as "ore field" and "ore knot" gives a handy base to predict small-scale miners' distribution in a nation; and a geologic bounday can be the border line to recognize administrative unit to watch/assist small-scale miners in environmetal protection, resource management and disaster prevention. If we can overlay related information on the established unit on the GIS the controll of small-scale miners would become easier. The authors will present several case studies based on the viewpoint above.