Green data collection-mining strategy for sustainable-best practice for the Mindanao Region of the Philippines

Dr DE Egirani[1], Allan Santiago[2] and Dr Monteros, Filemonito[3]

1.

Senior Lecturer, Niger Delta University, Wilberforce Island, Amassoma 071. eenonidavidson@yahoo.com

2.
Sanguinian Palaligan, Province of Agusan del Sur, Patinay Prosperidad 8500. eenonidavidson@gmail.com

3.
Lead Consultant, Philippine BizCamp Inc Surigao Caraga 8400. Email: monmonteros@yahoo.com

ABSTRACT

Communities in the Mindanao region of the Philippines recognize that the steadily increasing level of mining activities and population growth, lead to an increase in environmental pressure on critical areas. Therefore, there is a need for stakeholders to critically appraise principles, policies, and practices that could lead to the best practices required for sustainable mining and environmental management that is driven by green data collection, mining strategy, principles, and practices. This novel environmental regulatory framework was put in place by the Authors after a rigorous 2-year investigation. This framework is being applied in the management of active mining sites, abandoned mining sites thus providing reasonable economic and environmental benefits to the industrial players and mining communities. The green data collection and mining strategy is for enhancing social, economic and environmental resource performance. The project methods involved a desktop review of previous and existing local, regional, and national data collection and mining strategy. This was followed up with visits to mining sites and discussions held with stakeholders in the mineral sector. The ability to subdue waste using the green data collection and mining approach is critical to stakeholders and should continuously form a component of the management review and plan. The absence of this framework poses the most challenging aspect of prosperity offered by the quality, quantity, diversity, and sustainability of the mineral resource sector in the Mindanao region. Therefore, this paper would discuss the content of the green data collection and mining strategy plan anchored on a sustainable control planning cycle. This approach could drive and sustain the harmony between man and the environment. This strategy would balance the ecological requirements, sustainability of the environment and the development of mineral resources.