

SAFETY HAZARDS IN QUARRIES

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This work focuses on safety hazards in surface rock mining. The research is primarily centered on the context of quarries in Poland, while also comparing selected examples from Europe and around the world. A comprehensive analysis of existing literature on hazards in mining operations from various countries was conducted to inform this study. Different classification systems for hazards, both in Poland and globally, have been presented. This work aims to develop a new classification of hazards specific to rock mining. The hazards associated with rock mining were first identified and subsequently categorized into distinct groups. This novel classification not only enhances understanding of the risks involved but also serves as a foundation for improving safety measures and regulations in the industry. Through this work, we aim to contribute to a more robust framework for managing safety hazards in rock mining, ultimately promoting safer working environments for industry professionals.