

Paper Number: 3998

Standardising Geoscience Data

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A method for capturing, validating, managing and governing geoscientific data has been developed and proven in South Africa over more thirty years. In order to meet the requirements of corporate business as well as the demands of the international mineral reporting codes; data integrity had to be achieved.

The result is an information system which manages working geoscience data standards. These standards can be improved over time. They incorporate relationships within and between geoscientific data subsets. The entities which make up each data set are defined. These definitions consist of the relevant properties for each data entity. In the case of qualitative data, dictionaries per discrete geoscientific parameter are included.

It is proposed that this methodology, van Aswegen [1] be applied across the spectrum of earth sciences in order to feed and preserve geoscientific knowledge banks which can be tapped for the benefit of society.

References:

[1] van Aswegen, MH (June 2003) in South African Institute of Mining and Metallurgy; Mineral Resource Management Colloquium Publication entitled "Increasing confidence in geoscientific knowledge for the industry and investor"

