

Re-Evaluate Drill Core and Archives

Detect new targets using deep learning

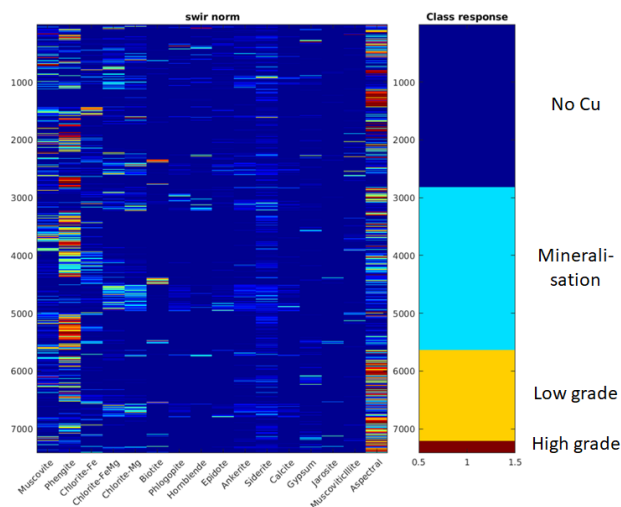
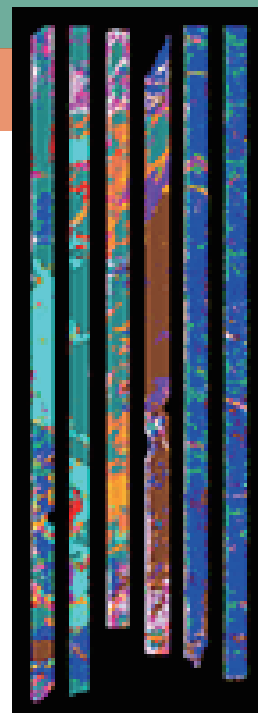
CoreSmart

Increase of value of drillcore scan data by enriching drill core data for better exploration models with attention based machine learning models

- o Utilization of hidden information of spectral drillcore data
- o Improve your knowledge of the drill core
- o Revisit your existing core data
- o Machine learning based selection of geochemical samples during drill campaigns
- o Optimize the usage of funding for geochemical analysis

Detect new targets utilizing the objective areal machine learning based GEOSMART method

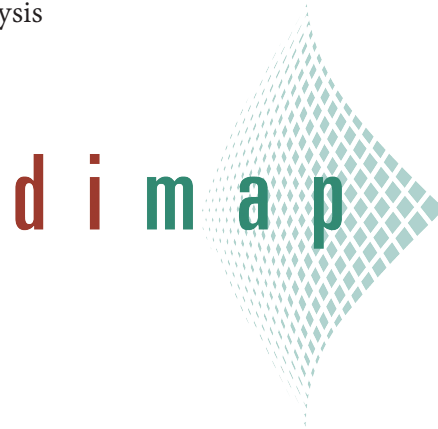
CoreSmart provides deep learning based tools for the information enrichments and management of existing drillhole data. The system is using hyperspectral drillcore scans and an existing database for different mineralization to predict key geochemical properties for the whole core. In detail the system provides:.



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- * Interfaces to import hyperspectral drill core scan data from most commonly used system like CoreLogger, TSG, Specim Corescan and generic scan data
- * Processing of the clients core scan data in pre-trained or client-core-trained deep learning system to predict key geochemical properties for all parts of the drill core
- * Visualize the results to allow a new view on your drillcore data based on the machine learning results
- * Identify drillcore sections with high probability of mineralization to optimize chemical analysis

Coresmart is offered as a collaboration between Dimap, which are specialized in hyperspectral analysis and holding a large drill corescan database, and G.E.O.S. with vast experiences in geological exploration and deposit modelling. For further details please contact Dr. Holger Eichstaedt (he@dimap.com.au) or Dr. Rene Kahnt (r.kahnt@geosfreiberg.de).



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