PURE APPLIED DATA SCIENCE

**Unlock missed insights by unifying your exploration data—robust, verifiable, and bankable.**

**From scattered datasets to bankable insights—statistically sound, independently verified.**

# GeXplor360


*Your data already knows where the resources are, we just bring that knowledge to the surface*

***faster, cheaper, saving cost, for defensible verifiable decisions***

**GeXplor360 turns exploration data into shareholder value.**

By unifying every dataset and applying advanced machine learning with responsible AI, it pinpoints resources with JORC-aligned confidence—converting geological uncertainty into proven, bankable reserves. The outcome is balance-sheet uplift, faster resource classification, and independently verifiable results that strengthen valuations. For investors, this means optimised capital allocation, reduced downside risk, and accelerated ROI—making every exploration dollar work harder.

| scout | secured |
|---|---|
| 3 weeks – rapid screening uncovering what can be achieve given data quality across all major systems | 12 weeks – audit-grade certainty for flagship assets, identify new deposits, accelerate delivery, roadmap growth |
| **surveyor** | **benefits** |
| 6 weeks – prospect validation across datasets, strengthening technical confidence, quantifying the upside | increased precision, reduced risk, faster objective insights, cost efficient, accelerated ROI…money banked |

Call Genéne Kleppe, CEO at GeoDataDecisions on +61 414 488 925
let's have a conversation, work together, accelerate impact.

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## 1 What underpins the tech

### Data

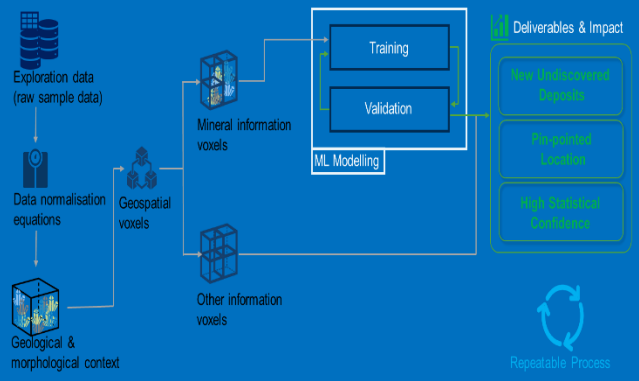
| GDDs Uniqueness | Case Study | Use Case |
|---|---|---|
| - Ingest any type of data in any format.<br>- Process as much data as possible e.g., GBs and TBs<br>- Aggregate all the data across same geo-referencing | - GDD has processed 70 million samples at once and is capable of processing more.<br>- GDD integrated all the data with three distinct types of referencing into a unified reference. | - GDD will ingest TBs of data from your different sites.<br>- GDD will aggregate the data from those sites to achieve a same geo-referencing. |

### Method

| GDDs Uniqueness | Case Study | Use Case |
|---|---|---|
| - Controlled, we use ML not DL - repetitive<br>- Data agnostic e.g., no specific set of data required.<br>- Commodity agnostic e.g., can predict any mineral, critical mineral and oil & gas pockets.<br>- Scalable e.g., can be applicable to current mines, nationwide mines and mines across the globe. | - GDD has predicted minerals such as Gold and Copper.<br>- GDD has predicted critical minerals such Arsenic.<br>- GDD has discovered Oil & Gas pockets in Australia. | - GDD will process your site/s data to train the model architecture.<br>- GDD will predict undiscovered commodity deposits for each site. |

### Results

| GDDs Uniqueness | Case Study | Use Cases |
|---|---|---|
| - Pin-pointed predictions with high resolution at 50m3.<br>- Predicts depth and grade.<br>- All results with statistical confidence | Our case studies have delivered:<br>- 91% confidence - Gold<br>- 71% confidence - Copper<br>- 87% confidence - Arsenic<br>- 94% confidence - Gas<br>- 88% confidence - Oil | - Test the hypothesis that additional $millions or $billions of undiscovered commodities can be precisely located.<br>- Test the hypothesis that your deposit statements are statistically valid.<br>- Test the hypothesis that across your tenements significant exploration costs can be saved. |




*think…20+ multi-variant models running concurrently*
*this is not a toy, this is hard, fast,*
*serious data science*

## 2 Working together

**Client data**

- Name & description of received datasets
- Additional required datasets
- Unavailable datasets

- File types & shape of each dataset

- Metadata to understand the table names, attributes and values.

- Define the criticality

**Data Readiness**

- Discover different scale/grid available with relevant properties information
- List of all datasets with associated grid.

- Intelligent grid scaling & normalisation

- Grid & voxel creation

**Methodology Implementation**

- Data preprocessing
- Feature engineering

- Model training
- Model validation & testing

- Cross validation & fine tuning

- Model performance evaluation
- Model predictions

**ML Lifecycle**

## 3 Delivering result confidence

iteration #1 logical

iteration #2 verified

iteration #3 socialise

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