advangeo®
Prediction Software

powered by

Arc GIS
ESRI

Digging Deeper into Your Data.

Fully GIS integrated and easy to use.

System requirements:

› Windows® 10
› ESRI ArcGIS with last Service Pack
› ESRI® Spatial Analyst
› ESRI.Net-Support

advangeo ® is Winner of the GDI Sachsen e.V. GIS-Award 2009.

Supported by BMWi (German Federal Ministry of Economics and Technology)
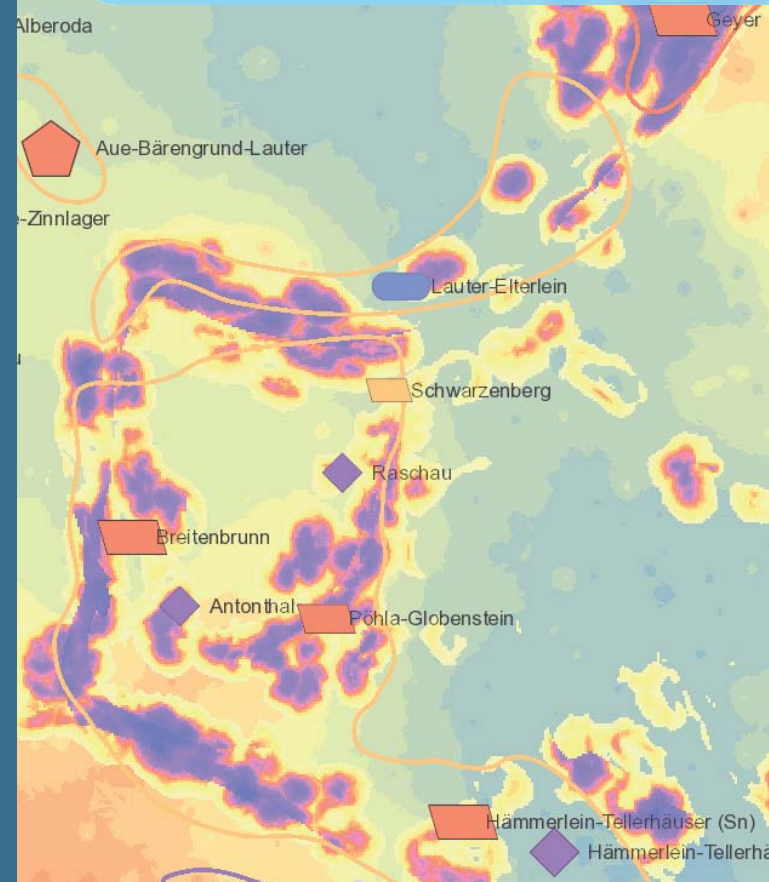

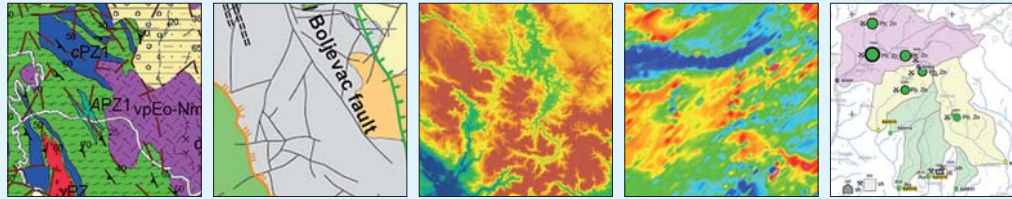
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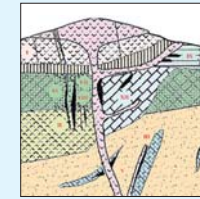www.advangeo.com

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Prediction Software

Mineral Deposits: Exploration Targeting

1 Source Data

Geological Data, Geochemical Data, Tectonic Data, Mineral Deposit Data, Airborne Geophysics
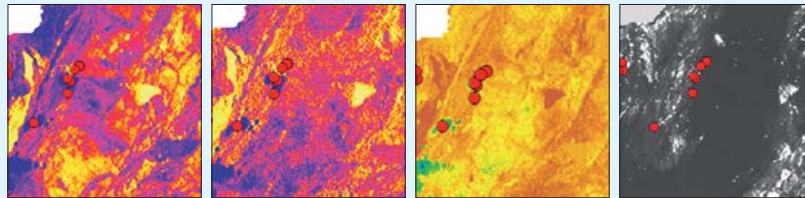
Ore Controlling Factors

Available Datasets

&

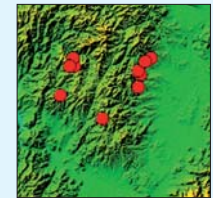Knowledge of Controlling Parameters

2 Model Input Data

Source Data Processing

Airborne Geophysics:
Electromagnetics, Magnetics, Radiometry
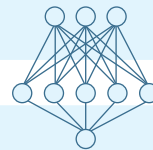
Geology:
Volcanics, Faults, Stratigraphy

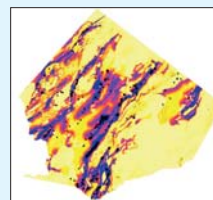Training Pattern:
Known Deposits
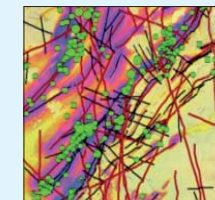
Controlling Parameters

3 Network Training   Analysing the Footprints of the Deposits

4 Validation
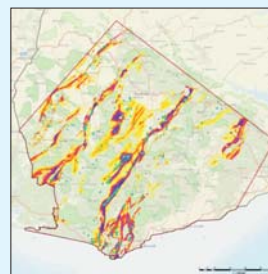

Verifying the Model Output
with Known Deposit Locations

Model Output

5 Model Application

6 Presentation

Creation of
Probability Maps

Compilation of
Presentation Maps

GOLD POTENTIAL MAP OF SW - GHANA
Hard Rock Gold Mineralisations
Scale 1 : 1,000,000