



**Beak presents advangeo® at INDABA 2010 in Cape Town, 01 - 04 February 2010**

**advangeo®**

Prediction Software

advangeo®, recently developed by Beak Consultants GmbH, makes the advantages of artificial neural network technologies available for spatial data analysis and interpretation in a standard ESRI GIS environment.

By analysing complex interrelations between a geo-spatial event (e.g. location of a mineral deposit) and other data (e.g. geology, images, geophysics, geochemistry) the advangeo® software trains artificial neural networks and applies the “knowledge” for data interpretation. The results are maps of event-probabilities (e.g. mineral occurrences probabilities) that are ideal for planning purposes both in the private exploration industry and for national planning purposes.

The applicability and correctness of advangeo® created predictive maps have been tested in multiple application cases in the fields of geological mapping, mineral exploration target generation, prediction of geohazards and soil erosion and other fields.

The software provides many useful features of data organisation, data processing, data transformation, data presentation, and evaluation of results and supports the full workflow of artificial neural network generation and application.

Being developed, tested and used as a tool in several Beak project activities the software is now also available commercially by licensing agreements.

Beak Consultants GmbH offers services for the governmental mining sector and the private mineral industry as well. Important services are the systematisation, evaluation and processing of geo-scientific data, the creation of customised database and GIS applications, prospecting and exploration activities, evaluation of mineral deposits and raw material projects, as well as regional planning conflict analyses.