advangeo®
Prediction Software

powered by

ESRI **Arc GIS**

Digging Deeper into Your Data

Fully GIS integrated and easy to use prediction mapping software using artificial intelligence technologies

System requirements:

> **Windows® 7**
> **ESRI ArcGIS 10 with latest Service Pack**
> **ESRI ArcGIS 10 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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advangeo®

Contact us:

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Prediction Software

beak CONSULTANTS

GIRAF — Geoscience InfoRmation in Africa

Geospatial Prediction Using Artificial Intelligence and GIS

Training Course

Exploration Targeting with
advangeo® Prediction
Software

21 – 22 September 2013

Geological Survey Department of Ghana
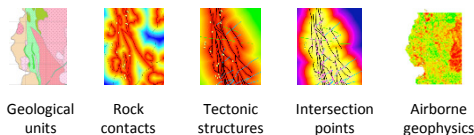Accra, Ghana

Invitation

advangeo®
Prediction Software:

Predictive Mapping based on Artificial Neural Networks

advangeo® Prediction Software helps to predict complex geospatial events like mineral occurrences & deposits

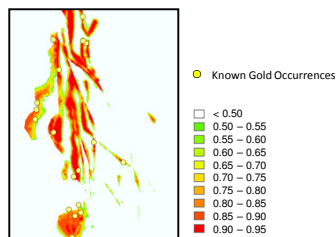**Example / Case Study:** Prediction of Gold in NW-Ghana (GSD, 2010)

Input Data:

Geological units | Rock contacts | Tectonic structures | Intersection points | Airborne geophysics

Training Data:
Known Au-mineralisations

advangeo®
Prediction Software

Predictive Map:
Favorability for the occurrence of Au-mineralisations

○ Known Gold Occurrences

☐ < 0.50
0.50 – 0.55
0.55 – 0.60
0.60 – 0.65
0.65 – 0.70
0.70 – 0.75
0.75 – 0.80
0.80 – 0.85
0.85 – 0.90
0.90 – 0.95

Information:

> **Event Packages**
  – **Basic Package**
    • Training Course
      Exploration Targeting with advangeo® Prediction Software in Accra / Ghana on:
      21st September 2013: 9 a.m. - 4 p.m. and
      22nd September 2013: 9 a.m. - 4 p.m.
    • Catering
      Lunch buffet at GSD on 21st and 22nd September 2013 (2 lunch)
  – **Full Package**
    (Listed Options in Addition to Basic Package)
    • Accommodation
      Standard room at "M-Plaza Hotel" in Accra / Ghana from 20th September until 22nd September 2013 (2 nights)
    • Transportation
      Daily transportation to/from training course at GSD from/to accommodation at "M-Plaza Hotel" on 21st and 22nd September 2013
      Direct transportation from training course at GSD to GIRAF Icebreaker Event on 22nd September 2013

> **Location / Venue**
  Geological Survey Department of Ghana (GSD)
  Accra / Ghana

> **Further information**
  www.advangeo.com
  www.beak.de
  www.giraf-network.org
  www.bgr.bund.de
  www.cgi-iugs.org
  www.ghana-mining.org

Preliminary programme:

> **Introduction to theoretical background of predictive mapping with artificial neural networks.**

> **Introduction to usage and functionalities of advangeo® Prediction Software.**

> **Introduction to usage and functionalities of the advangeo® Minerals extension**

> **Step-by-step predictive mapping:**
  – Creation of a project and problem definition,
  – Import of base data into the project,
  – Processing of source data,
  – Creation of model input data,
  – Setting up of model scenarios,
  – Training of artificial neural network,
  – Application of artificial neural network.

Registration:

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Registration form:

Herewith, I am registering for the advangeo® Prediction Software training course on 21st and 22nd September 2013 in the frame of the 3rd GIRAF Workshop in Accra / Ghana.

> **Name:**
> **Surname:**
> **Institution:**
> **Address:**
> **City, ZIP-Code:**
> **Country:**
> **Phone:**
> **E-Mail:**
> **Event Package:**   ☐ Basic   ☐ Full

Date:

Signature:

Registration fee:

> **Basic Event Package:** 500 €
> **Full Event Package:** 700 €

Registration deadline:

> **16th August 2013**
> **Course is limited to 10 participants**