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Don't miss out!

Here is a quick glance at our Upcoming Events Calendar:

- » **April 27-28** [Northeastern Mines & Minerals](#) Symposium in Sudbury, Canada
- » **May 1-4** [CIM Convention](#) in Vancouver, Canada
- » **May 9-11** [MassMin 2016](#) in Sydney, Australia
- » **May 11** [DIVEX](#) annual assembly in Montreal, Canada
- » **May 25-26** [Explo Abitibi](#) in Val D'Or, Canada

...more details on our [Upcoming Events page](#)

Welcome to the 2016, Q1 eNewsletter. In this edition we report on our new solutions for the coal industry. We have a look at our VIP consultant program. On the software side, we talk about the upcoming release of our geophysical program VPmg version 8.1. We tell you more about people who just joined our team. Finally, we provide details on available job openings, tips of the month, news and media, and upcoming events.

What's new! Coal industry solutions

We have expanded our software solutions and consulting practice into the coal industry. This industry presented an interesting challenge because there is a business need to include complex fault networks, vertical repeats, folding, and additional 3D geometries into coal seam models. The need to include overburden modelling as part of the process also became evident because of its impact on mine design and blasting decisions, leading to substantial operational cost savings and increased profitability.

With years of experience carrying out complex geological modelling projects, we are specialists in providing our clients with innovative interpretation and modelling processes. We were able to call upon that experience and expertise to develop the proof of concept, as well as implement systems, establish workflows, and set up tools specific to

the coal industry. This resulted in a new line of software bundles for [GOCAD® Mining Suite](#): SKUA Structural Modelling for Coal and SKUA Geostatistics for Coal. These bundles offer a powerful 3D geological modelling platform with the repeatability and speed advantages of implicit modelling, resulting in a modelling environment that allows any fault complexity and representation. Our 3D coal modelling solution also deals very well with anisotropic horizons, not allowing intersection of coal seam roofs and floors. Our coal solution provides users the simplicity of 2D grid modelling with the geological complexity of 3D volumetric surface modelling. It also facilitates rapid updates of coal models with newly acquired data.

So far we can say it is very exciting.

[Contact us for more information »](#)



Peabody Energy Inc., CC by SA 4.0



New team members!

In Canada:

James Purchase joined our Montreal team as Product Development Manager for Geoscience INTEGRATOR.

Pablo Mejía-Herrera joined our Vancouver based consulting group with experience in structural restoration.

Pouya Tabassian joined our Vancouver team as Account Manager.

In Australia:

Giovanni Spampinato joined our Brisbane based consulting team with experience in 3D modelling.

Christopher Bishop joined our Perth team as Account Manager.

Job opportunities!

Join our Canadian team:

Senior Consultant – Geophysicist in Vancouver

We are looking for an experienced Geophysicist to join our team in Vancouver. This individual will be part of an integrated geology-geophysics team providing a wide range of services that include integrated, quantitative geological and geophysical modelling and interpretation. The Senior Consultant will play an important role in our business development activities as well as identifying value added services and technologies benefiting clients. A strong industry network is key to this role since it has an important business development component, in which the successful candidate will have a proven track record.

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If you're interested in finding out more let us know »

A closer look into our VIP Consultant Program

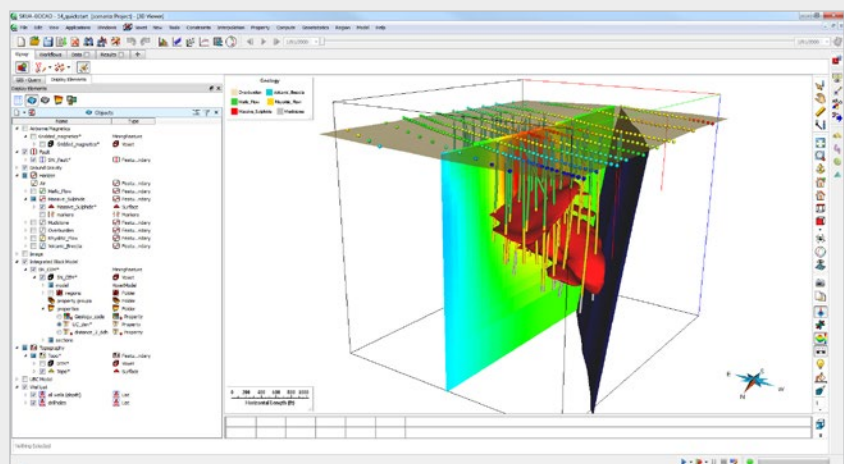
The VIP Consultant Program is a new initiative designed for the boutique consultant who is a key contributor to minerals exploration and development. We believe the best technology should be used by expert consultants. By providing low-cost access to **GOCAD® Mining Suite**, our network of influential industry experts directly benefits from hands-on experience with our solutions.

Working together with our VIP Consultants we seek to better serve the industry by making our class-leading software solution more accessible to consulting geoscientists. This both supports their role as industry consultants and furthers industry

understanding of our advanced, integrated geological, geophysical, and geochemical solutions. Where appropriate, our diverse experience will complement the specific project knowledge the consultant brings. A partnership that brings extensive, scalable expertise to projects when needed.

If you are part of an exploration industry consultant organization, with a team of one to five consultants, we encourage you to get in touch with us so that our sales team can contact you to discuss the preferential pricing and benefits of the program.

[More details available here »](#)



GOCAD® Mining Suite: March's tip

Quick access to digitizing and editing tools



You can quickly access the Digitization/Editing toolbar for GOCAD objects by double-clicking on the object in question in the 3D Viewer. It will appear by default immediately above the Display Elements panel.

Alternatively, right-clicking on an object in the 3D Viewer will also present editing tools appropriate for that object.

[To receive our tips or to view previous ones, visit our site »](#)



More Job opportunities!

Manager Software Development in Montreal

We are searching for an experienced Manager to lead and oversee our software development team and initiatives. The Software Development Manager will provide leadership, support and oversight for the planning and prioritisation of resources, technology choices, development processes and software architecture. Experience in a similar role is critical.

Technical Writer in Montreal

This is a new position dedicated to developing, designing, creating, updating and writing technical documents. In addition, the technical writer will help us establish a consistent approach and branding within multi-disciplinary training materials, user guides, release notes, help files and other software related documentation. Experience as a technical writer in a software environment is essential; experience in Earth Sciences would be a great benefit.

Senior Consultant in Sudbury

We are looking for an individual with a strong geoscience or mining background to lead our Sudbury-based data management and integration business, based at the new Mining Observatory Data Control Centre (MODCC). The position requires a highly self-motivated individual with strong interest, understanding, and demonstrated experience in working with complex mining and mineral exploration data sets for exploration targeting or mine site applications. This role has an important business development component, in which the successful candidate will have a proven track record.

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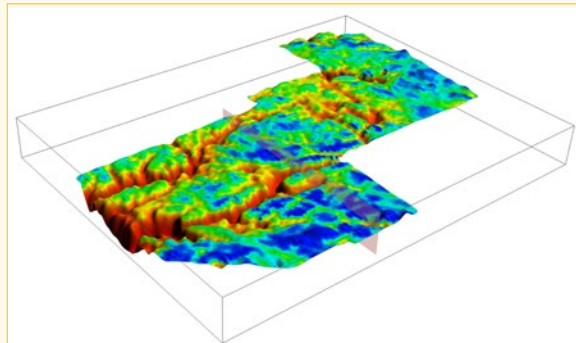
If you're interested in finding out more let us know »

Software development news:

VPmg - Version 8.1 release coming soon

We are pleased to announce the imminent release of version 8.1 of VPmg. Version 8.1 introduces new features and enhancements such as:

- Remanent Magnetization Inversion (RMI) of amplitude and orientation of modelled domains.
- Total Magnetic Gradient (3D analytic signal) inversion can now be applied to solve for the causative position of magnetic bodies.
- There have been modifications to the inversion algorithms for single and two-parameter optimizations.
- The stand-alone version of VPmg can now be used to compute depth weights. It can also sub-cell a homogeneous domain with an expanding cell thickness.




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[More information about VP Suite available here »](#)

Geoscience ANALYST: March's tip

Importing drillhole data from ASCII files

If your drillhole data was assigned to the incorrect data type after using the ASCII importer (i.e., assigned to reference  instead of float π), one of two scenarios may have happened:

- 1) When importing data that has the same name as an existing reference data type in the workspace, it will automatically be assigned to it.

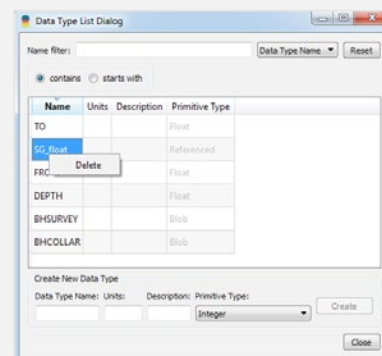
- A solution is to rename the column header in the .csv file and re-import to create a new data type.

- 2) If any non-numeric character is detected, such as < or %, the data will be assigned as reference.

- A solution is to remove all of the non-numeric characters in the data column in the .csv file, then rename the column header (to avoid scenario 1) and re-import.

If you end-up with unused data types you can delete them from the workspace.

Edit > Date Type List > right-click > Delete



[To receive our tips or to view previous ones, visit our site »](#)



More Job opportunities!

Join our Australian team:

Consultant - Geoscientist in Perth

We are looking for an experienced Mineral Exploration Geoscientist to join our team in Perth. This individual will work in an integrated geology-geophysics team to provide understanding of ore systems, geological interpretation, 3D multi-disciplinary integrated models and exploration targets, and to provide mineral exploration project management consulting. In addition the role will have you working closely with clients in provision of support and training.

If you're interested in finding out more let us know »

In the news:

End of the Flat Earth: a new era at GSWA

Preview Volume 2016 (180)

The Geological Survey of Western Australia (GSWA) has entered the 3D era with the release... The new addition is a 3D geological model, which can be viewed in the included free visualisation software, [Geoscience ANALYST](#), provided by [Mira Geoscience](#) ...

Review - Geoscience ANALYST: Free 3D visualization and communication software

Mining Innovation Mining News

Last October, [Mira Geoscience](#) released [Geoscience ANALYST](#); a unique standalone application that allows users to import and visualize 3D geoscientific data and models. Its intuitive interface allows them to edit visual parameters, make annotations, and save and distribute their projects. "Geoscience ANALYST is truly innovative..."

Earth Modelling 2016 – Technology advancement and data integration forum Montreal October 3-4 InterContinental Montreal

We are in the midst of planning our annual Earth Modelling Forum. For years now it has been recognized as the leading forum on 3D earth modelling and data management for the mining industry. Once again we will bring together some of the greatest people and technology involved in multi-disciplinary earth modelling. It will be two days of knowledge sharing with a positive, friendly vibe. Program details will soon be available.

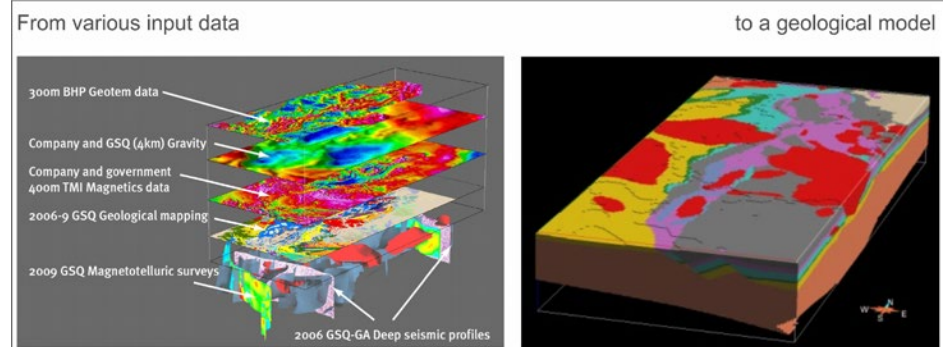
Until then, here is a reminder of [last year's program](#).



ASEG-PESA 2016 Workshop

3D integration and modelling of geological and geophysical data

Exploration is becoming harder, with greater focus at depth or under cover. Decisions need to be made to eliminate ambiguity and decrease uncertainty within 3D models, supported and cross-validated by multiple data sets. This workshop will review the principles of a common-sense integration framework with selected case study examples and demonstrate some of the 3D modelling techniques.



More information and registration form available here »